

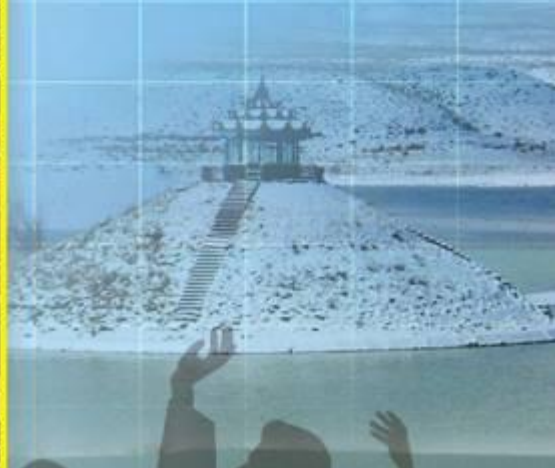


# University of Balochistan Quetta

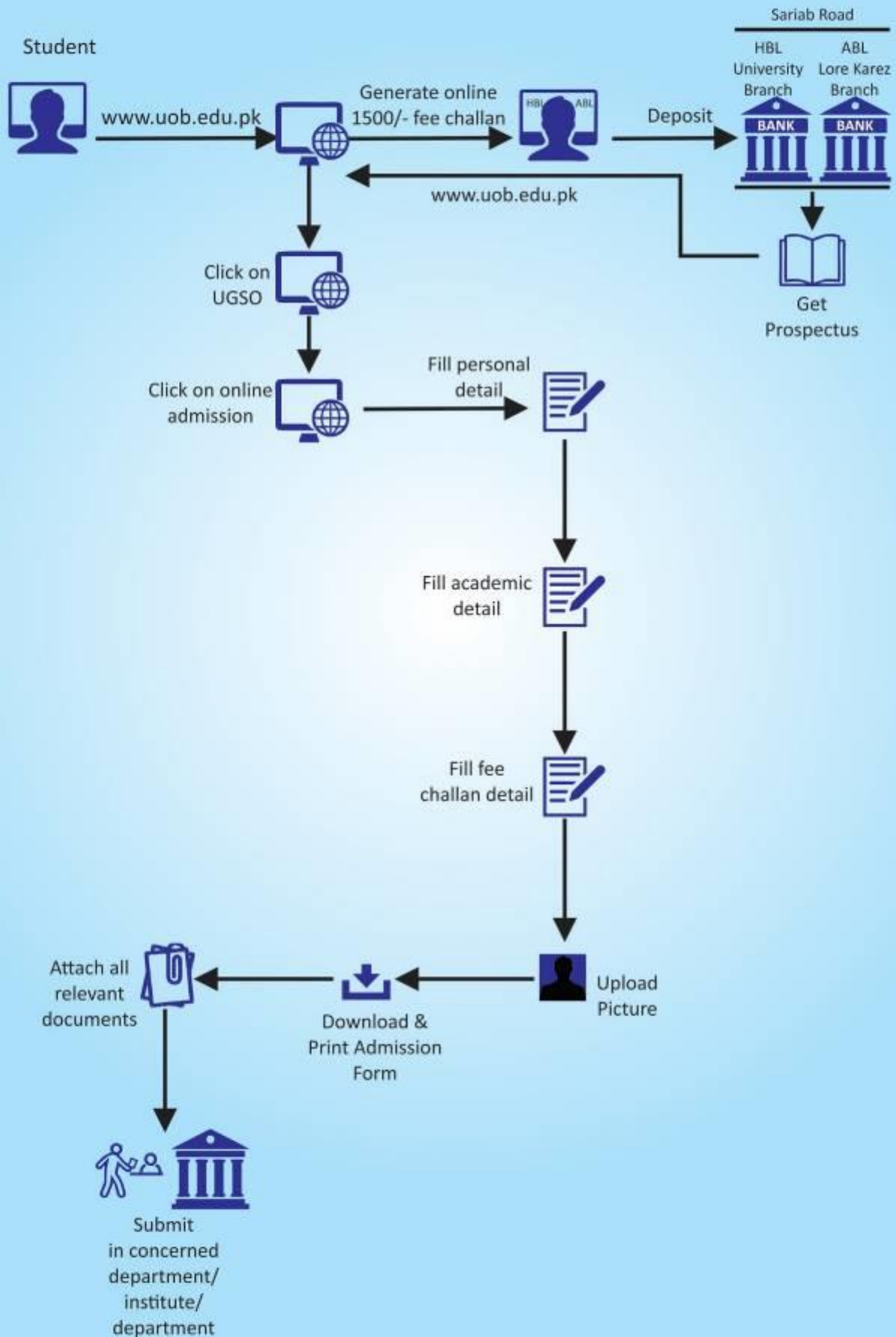
2020



## PROSPECTUS BACHELORS STUDY PROGRAMS



# Applicants Guideline



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# Introduction to University of Balochistan

The Establishment of the University of Balochistan is synchronized with the emergence of Balochistan as a province of Pakistan. The University came into being with the promulgation of the University of Balochistan Ordinance 1970. Located in a developing region of a developing country, the University has a challenging frame of reference for its functioning. Balochistan is passing through a process of rapid socio-economic development and it needs well qualified and competent scientists, professionals, academicians and administrators. The University is cognizant of this need and prepared to provide meaningful higher education to the youth of the province.

The University is committed to develop and sustain an environment conducive to excellence in teaching, learning, research and spread of knowledge. In keeping with the priorities of higher education, the university offers its resources and talent for enrichment and enhancement of quality of life standard through its programs of research and innovations.

The University offers undergraduate, graduate, postgraduate, doctoral and advanced programs of studies in Basic Sciences, Management Business and IT, Life Sciences, Earth and Environmental Sciences, Education and Humanities, Social Sciences and in Literature, Languages and other Professional Disciplines. BS four years program of studies in certain disciplines of science and arts are also offered by the University. Besides, University faculty and students organize and conduct community services for the well-being of the people, provide leadership in all walks of life, develop potential of the students, channelize energies of the youth and strive for reducing the social and cultural differences through knowledge.

## **Vision**

To be a model public University that provides and affordable quality higher education opportunities to develop the potentially rich human resource in Balochistan through knowledge-centered teaching and research while maintaining and fostering a high level of ethical and professional standards and promoting national identity.



## **Mission**

Functioning as a student-centric institution dedicated to academic excellence, tolerance and fairness. Maintaining and fostering highest ethical and professional values while teaching students to seek knowledge analytically, be creative, communicate effectively and become technologically literate to meet the emerging needs of our society within the global village. Ensuring and supporting faculty and staff to continue their professional and intellectual development

## **Our Values**

- Integrity
- Creativity
- Team Work
- Excellence
- Responsibility (to all Stakeholders)

## **Governance**

- The Governor of Balochistan is the Chancellor of the University. The University Senate is chaired by the Chancellor, which is the Supreme Governing/ Legislative Body of the University.
- The Vice Chancellor is the Chief Executive of the University. He chairs the Syndicate, the Executive Body of the University, and all other statutory bodies.

## **Administration**

- Chancellor
- Vice Chancellor
- Pro Vice Chancellor
- Registrar
- Treasurer
- Controller of Examinations
- Director General (SA)
- Director General (P&D)
- Director, Quality Assurance & Accreditation Directorate (QAAD)
- Director General (E&W)
- Director General (Administration)
- Director, Office of Research Innovation & Commercialization (ORIC)
- Chairman, Graduate Studies Office (GSO)
- Chairman, Undergraduate Studies Office (UGSO)
- Chairman (FTDC)

## **Undergraduate Studies office**

- The undergraduate studies office play the role of chief arbitrator in all academic/non-academic matters concerning the students
- The undergraduate studies office perform duties pertaining to academic, financial extra-curricular and miscellaneous matters in coordination with the Registrar/Chairpersons of departments and deans. Its duties are as follows.
  - Online admission of students under category A, B and C
  - Migration from university to university
  - Cases of dropout students
  - Arrange meetings to resolve semester issues and framing rules through academic/semester committee.
- Mid & terminal exam schedule for all disciplines
- Cases of the students getting semester break
- To organize all departments students data online through UGSO software
- Students clearance and library card verification
- Name correction and rectification cases in the educational documents being issued from this university



# Balochistan at a Glance



Balochistan area wise is the largest province of Pakistan, covering 44% of the country's area, but is home to only 5% of the country's population. Its strengths lie in its wealth of natural resources, the vast rangeland, the coastal belt with 1100 km of coastline, and rich mineral and hydrocarbon deposits. Balochistan is a land of diversity, mountains rich of minerals, coastal land, uplands, plains and deserts, having a diverse flora & fauna and land of great difference and contrast.

The Government of Balochistan is providing basic infrastructure of roads and development of human resources to create a more conducive environments, for inclusive development.

Agriculture and livestock dominate the Balochistan economy. Horticultural development is a fairly recent phenomenon with a great potential in other economic sectors where investment rate is high (including fisheries, mining, manufacturing industries, trade and other) services are being rendered by public and private sector organizations in the province.

The Government of Pakistan has initiated the construction of the country's third deep-sea port project at Gwadar and CEPEC with the Chinese Government. This project will not only give stimulus to the development activities in Gwadar town itself but also to the adjoining areas. Makran Coastal Highway is acting as further catalyst for development of the entire Makran Coastal area of Balochistan through fisheries, tourism and



trading point of view.

Balochistan provides highly developed industrial estate facilities in the province. These estates cater to all types of industry needs and are well supplied with a wide range of infrastructure and related services which include Quetta Industrial & Trading Estate, Hub Industrial & Trading Estate (HITE), Uthal Industrial Estate, Marble City etc. The Major sectors for investment in Balochistan are Minerals, Agriculture, Horticulture, Fisheries, Livestock, Tourism and Oil & Gas etc.

# Our City

Mountainous, Vibrant, and friendly, Quetta is considered as hill station of the province of Balochistan.

## Where the city meets the campus

Quetta city is a bowl shaped structure and valley, surrounded by mountains peaks on its three sides. On the southern fringe of the city, the University of Quetta's campus is located on the main highway connecting Karachi with Quetta. Away from the University towards north the, multicultural culinary delights, arts and culture, and shopping Malls of Quetta enhances the beauty of the city. The Great Hana Lack is located in the north east of the city, which attracts visitor in all seasons. In the East of the city, the Mehrdar Mountains runs parallel and connects with the Takatu and Zarghoon hills in the North and Northeast. While the city is bordered with Chiltan Mountains in the west, running towards the south of the city. The city hosts an international airport, state of the art hospitals, shopping malls. Diverse cultural handicrafts, dry fruits are some of the unique features of the city.



## Out and about

Eat breakfast in a café, visit and spend the afternoon shopping, or find out why Quetta is Pakistan's fruit basket capital, or take a day trip and explore the stunning natural beauty of Hana Lack.





# Our campus

You will feel at home the moment you step onto the University of Balochistan.

The entry point to the campus is from the main highway Sariab Road which connects Karachi with Quetta. The campus has different Blocks such as Science, Arts, languages, Administration, Examination, central Library, Botanical Garden, Boys & Girl Hostels and three centers for advanced Studies.

## Cutting-edge facilities

Our new, sustainable, state-of-the-art, buildings and teaching facilities are designed for optimal learning experiences. And, standing next to our iconic Expo Center & Playground, they make our campus even more spectacular.

## A city within a city

Our campus is like a city within a city – it even has its own facilities like shopping center, Bank, Masque, cafés, libraries, gym, specialty shops, a small supermarket you'll never want to leave!





## Vice Chancellors' Message

The University of Balochistan is the oldest and premier University of Balochistan. Since its establishment in 1970, it has achieved heights of success in all fields, especially Science, Arts and Humanities. Having been started from only 5 teaching departments, it now, with the grace of Allah Almighty, is running 47 departments under the umbrella of 8 Faculties, 5 specialized Centers, 4 Institutes and 1 Constituent Law College. Beside these, University of Balochistan has 115 public and private affiliated colleges across the province. University of Balochistan has maintained its excellence in education, training and research in various fields of Arts, Social Sciences, Business and Languages.

The University aims at high standards of quality education compatible with national needs and comparable to International Universities of high repute abroad. It has always attracted talented students coming from all walks of life and regions within its territorial limits and all provinces of Pakistan under exchange program and reserve seats.

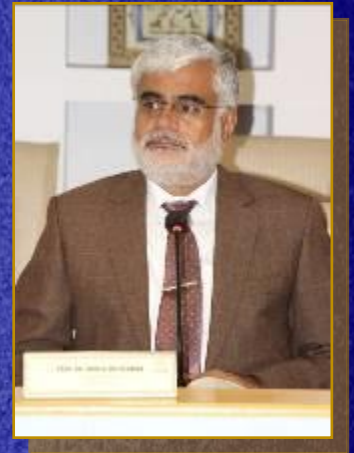
The University of Balochistan recognizes an integrated and inter-disciplinary approach to synchronize and cooperative teaching among the various disciplines belonging to different faculties of constituent parts of the University under one umbrella. The Alumni of this Institution are serving at higher professional positions, research organizations, government and development sectors and universities at home and abroad.

University of Balochistan is devoted to providing best possible facilities in terms of faculty staff, laboratories, libraries and environment of research & development activities leading to higher degrees. I hope that the talented students will be joining the Master degree courses with the strong commitment to keep up the tradition of this Institution and help maintaining the flag of the University high in the sky. The University of Balochistan is located in a rich natural environment, and is a university that respects diverse values. Our university intends to contribute to the international society by demonstrating leadership as an innovative, unique, and cosmopolitan center of knowledge with an influential voice on the international scene.

God bless you.

**Dr. Shafiq-ur-Rehman**

Vice Chancellor



# Registrars' Message



## **Dear Students**

Being Registrar University of Balochistan, it gives me pleasure to welcome you in one of the oldest and premier Universities of Balochistan, Quetta. Indeed, it is a matter of pride and honor for us that you have chosen University of Balochistan for making your future.

Dear Students, excellence, integrity, tolerance, and diversity are the values which add force to the University's processes and growth. Our success lies in our educational approach, personal and professional development of students. Students are free to pursue their education and co-curricular activities in a traditionally diversified educational environment. Our students are of different age groups who come from different regions and backgrounds as well as different countries of the world. They bring a wide range of viewpoints, special interests, and talents to enrich our educational community.

The Registrar Office facilitates the admission process from one end to the other end. The office strictly observes the merit principle and addresses student's genuine grievances through a systematized approach to ensure timely completion of admission process in a comprehensive manner. The Registrar office appreciates comments and suggestions from all quarters for the improvement of its system to make it more efficient and delivering.

We assure you best educational and research atmosphere at University of Balochistan and hope you will come to learn and leave to serve.

## **Wali Rehman**

Registrar

# Beyond the classroom

Experience matters. Make it count.

## Internships

Internships are a great way to get first- hand industry experience and figure out if your dream career is right for you. Our students have interned in leading companies and institutions nationally and internationally, paving the way to fulfilling and exciting careers.

## Leadership and involvement opportunities

Employers love to see leadership experience on your résumé – and we love to help you get it! At university of Baluchistan you can:

- Take part in leadership conferences
- Participate in peer mentoring programs
- Engage in community projects and partner with organizations to make it happen

## Volunteering

Take your skills into the community, contribute to a cause you are passionate about, and make a difference! You can volunteer in University of Balochistan, elsewhere or even go overseas. In many cases your experience can count towards your degree. University of Balochistan cater volunteers through “UOBIANS” volunteer group.



# Our Achievements

The UoB has achieved the following miles stones in 2018:

## 1. International Recognition

- Green Matric Ranking



## 2. National Recognition

- HEC Quality Assurance Capability Achieved “W” Category and become Top 20 Universities of Pakistan

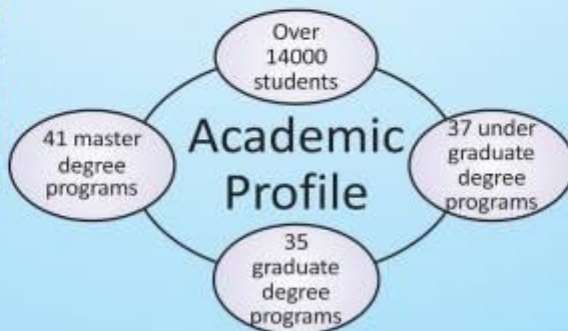
Name of HEI: University of Balochistan, Quetta, Group: I									
Score Card for the Period: 01-07-16 To: 30-06-17									
Quality Indicator	Score / 100	Score Indicator	Evidence Provided [IP]	Guidance for Score Allocation	Score Allocated [0-100]				
<b>1. QEC SECRETARIAT ESTABLISHMENT: 100%</b>									
3.5 Publishing QEC Activities through Print/Electronic Media	2	No. of Publications	ANK	2	1.00	2.00	0.00	1.00	
3.6 QEC Website / Webpage	4	Latest activities	Website	2	2.00	2.00	2.00	2.00	
		Latest activities	Website	2	1.00	1.00	1.00	1.00	
<b>2.1.2 Participation/Contribution in International/National Events</b>									
i. Contribution in at least 1 International Event	4	One Event	ANK	1	0.00	0.00	0.00	0.00	
ii. Participation in at least 1 International Event		One Event	ANK	1	0.00	0.00	0.00	1.00	
iii. Contribution in at least 1 National Event		One Event	ANK	1	0.00	0.00	1.00	1.00	
iv. Participation in at least 1 National Event		One Event	ANK	1	1.00	1.00	0.00	1.00	
<b>TOTAL SCORE</b>					<b>42.83</b>	<b>75.17</b>	<b>75.66</b>	<b>90.13</b>	
QEC Rating Criteria:					Score Range:	85% - 100%	68% - 84%	51% - 67%	Upto 50%
					Quality Level:	W	X	Y	Z

## 3. Provincial Recognition

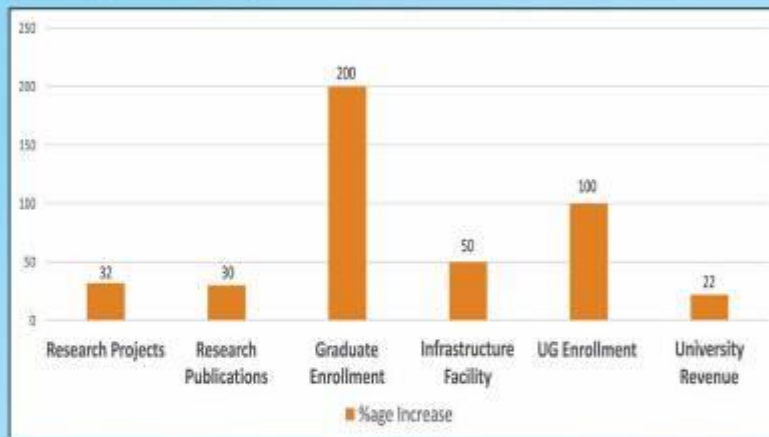
- Balochistan Excellence Award for 2018 Research & Development
  - Dr. Fahad Saleem Best Researcher
  - Prof. Dr. Malik Tareen Uplifting of Education Standards
  - Ms. Kashmala Barech Best Recognition Award



# Journey Towards Excellence, 2013-2020



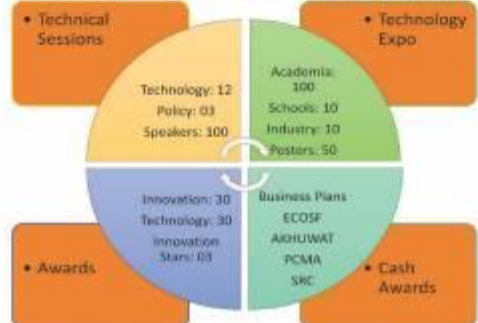
## Percentage increase in key indicators of higher education since 2013



## Research Innovation



## Innovation Summit – Balochistan



## Establishment and Strengthening of Support Offices

- Office of Research Innovation & Commercialization (ORIC)
- Graduate Studies Office (GSO)
- Directorate of Distance Education (DDE)
- Faculty Training Development Centre (FTDC)
- Quality Assurance Directorate (QAD)

## Key Features



Inspiration of collaboration among Industry, academia and Government



Networking with stakeholders



Achievement for system change and improvement of wellbeing



Liaison with funding agencies



creation of culture of continuous innovation



Collaboration with experts



Linkages with investors



Opportunities & Access to Quality Education on Lowest Fees



Opportunity to win innovation and technology awards



Exposure of industry problems and technologies



## List of Patents

Title of Patent	Inventor	Year Issue	Name Patent Office & Country	Status
SYSTEM AND METHOD OF ANODIZED ALUMINUM OXIDE NANO-POROUS MEMBRANE PREPARATION	1. Nitin Afzulpurkar (Asian Institute of Technology, Thailand) 2. Ajab Khan Kasi (University of Balochistan, Pakistan)	July, 2014	US PATENT Publication No. US 2014/0202868 A1	Not Commercialized
ANODIZED ALUMINUM OXIDE TUBULAR NANO-POROUS MEMBRANE MODULE AND METHOD OF MANUFACTURE THERE OF	1. Nitin Afzulpurkar (Asian Institute of Technology, Thailand) 2. Ajab Khan Kasi (University of Balochistan, Pakistan)	July, 2014	US PATENT PUBLICATION No. US 2014/0202950 A1	Not Commercialized
MULTILAYER ANODIZED ALUMINIUM OXIDE NANO-POROUS MEMBRANE AND METHOD OF MANUFACTURE THEREOF	1. Nitin Afzulpurkar (Asian Institute of Technology, Thailand) 2. Ajab Khan Kasi (University of Balochistan, Pakistan)	July, 2014	US PATENT PUBLICATION No. US 2014/0202952 A1	Not Commercialized
ANODIZED ALUMINUM OXIDE NANOPOROUS MEMBRANE INTEGRATED WITH MICRO-CHANNEL AND METHOD OF FORMATION THEREOF	1. Nitin Afzulpurkar (Asian Institute of Technology, Thailand) 2. Ajab Khan Kasi (University of Balochistan, Pakistan)	July, 2014	US PATENT PUBLICATION No.20140272280 A1	Not Commercialized
ANODIZED ALUMINUM OXIDE TEMPLATE ENABLED NANOSTRUCTURE FORMATION AND METHOD THEREOF	1. Nitin Afzulpurkar (Asian Institute of Technology, Thailand) 2. Ajab Khan Kasi (University of Balochistan, Pakistan)	July, 2014	US PATENT PUBLICATION No. 2014/0332392A1	Not Commercialized

## Vaccine Production

Names of Vaccines	Sheep pox, Goat pox, PPR, Anthrax, Enterotoxemia, Black Quarter, Haemorrhagic septicemia, CCP
Average Annual Production	15 Million Doses Annually, with total production to date equal to 182.00
Production in 2016	22 Million Doses
Commercial Aspect	Average annual revenue (PKR): 3.5 Million & Revenue in 2016-17 (PKR): 30 Million
Clients	1. Major Livestock and Dairy Departments of the country 2. Food and Agriculture Organization (FAO) of UN 3. Other development organization and NGOs

## List of Research Journals Published

S.No.	Name of Journal	ISSN
1	Al-Burz	2071-9477
2	TAKATOO	2075-5929
3	Balochistan Review	1810-2174
4	Pure & Applied Biology	2304-2478
5	Hanken	2070-5573
6	Pakistan Studies	2311-6803

## Selected Consultancy Services 2015-16

1. Food and Agriculture Organization (FAO) of UN, Data Analyst Services for Baseline Survey, 2014-15.
2. BRSP, "Disaster Risk Reduction Training and Local Involvement" Chman City, Killa Abdullah District, May 2015.
3. ROHNI Pakistan, District Level Training for Line Departments District Ziarat, 2015.
4. BRSP, Community Based Disaster Risk Management. Nasser Abad district, 2016.
5. IUCS, Environmental Conservation in Balochistan, Quetta, IUCN office 2016.
6. UNHCR, Vulnerability Assessment in Refuge Village Killa Safiullah, 2016.
7. Pakistan Reading Project (PRP), Balochistan, USAID, "To Develop Framework/Mechanism for Teacher's Certification and Licensing in Balochistan, 2016.
8. Aurat Foundation (UNDP) Funded Project on SDG-4 in perspective of Legislative/Policy Review, GAP Analysis, Balochistan, 2016.
9. Higher Education Commission (HEC), Islamabad, to Review the Performance of Universities/HEIs/DAIs in Pakistan, 2016.
10. Consultant with Pakistan Academy for Science (PAS), Islamabad to develop strategic framework for Balochistan regarding intervention of PAS, 2015.
11. Consultant with UNESCO to "Integrate Themes of Disaster in School Curriculum, 2015.

12. Socioeconomic Consultant over the year to UNICEF, UNDP, World Bank, Asian Development Bank USAID, EU, Dutch Government, and CRS etc.
13. Socioeconomic consultant to PARC, PCRWR, and Ministry of women development, P & D Department, AERC, HBFC, State Bank of Pakistan, PIDE, and Planning Commission etc.
14. "Citizen Response Card (CRC) Survey Project for Provincial Ombudsmen Office Balochistan" in collaboration with Governance Support Project of World Bank, Implementation Support Unit, GSP-ISU, Planning and Development Department, Government of Balochistan: February-April 2015.
15. "Advancing Youth Social Entrepreneurship in Higher Education Institutes Project at University of Balochistan, Quetta" in collaboration with YES Network Pakistan and USAID. October-December 2015.
16. Balochistan Rural Support Programme for capacity building of community Livestock Workers, 2014-2015.
17. Biological Research Center (BRC), Defense Science and Technology Organization (DESTO) in establishment of laboratories and procedures for handling of biological, 2016-2017.
18. Food and Agriculture Organization (FAO) of UN FAO for improvement of vaccines and disease control in Balochistan, 2014-2016.

## Smart Campus Facilities:

S.No.	Description	Remarks
1	F.M. Service	Covering whole Quetta city
2	Wi-Fi Coverage	Main Campus
3	TV Studio	Newly established with latest equipment
4	Digital Library & Licensed Software Access	Access to over 500,000 books, Microsoft Licensed Software, Certified trainers through high speed HEC PERN Link

## Available Transportation Facility

S.No.	Description	Quantity
1	Buses	25
2	Van	05
3	Ambulance	01
4	Pool Cars	04

## Enrollment 2017

Summary:	Male	Female	Total
PhD	55	17	72
M.Phil/ MS	696	275	971
Bachelor Degree Program:	4185	1070	5255
Master Degree Program:	4730	1425	6155
<b>Grant Total:</b>	<b>9666</b>	<b>2787</b>	<b>12453</b>

## Research Publications HEC Recognized only



## Research Project Grants National Donor



## Engineering & Development Projects

	Completed (In Millions)	Ongoing (In Millions)	Total (In Millions)
Books	-	145.5	145.5
Construction	118.6	702.545	821.145
Equipment	-	18.5	18.5
Renovation	19	11.5	30.5
<b>Total (In Millions)</b>	<b>137.6</b>	<b>878.045</b>	<b>1015.645</b>

## Internal Funding

To propel internal funding UoB has launched UBRF.

## UBRF an Enabling Agent



## Achievements





## Faculty of Basic Sciences

- ▶ Physics
- ▶ Chemistry
- ▶ Mathematics
- ▶ Statistics

# Physics

## Program(s)

BS (Physics)

## Eligibility

F.Sc Pre- Engineering, ICS, A-Level Cambridge (with Maths and Physics) and Three year polytechnic degree with Physics and Mathematics.

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)  
Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The Department of Physics is one of the three pioneering science departments, which was introduced since inception of the University of Balochistan, Quetta in 1971. In the first batch ten students were enrolled for a two year M.Sc. degree course with four teaching staff members. A three years B.Sc. (Honours) course was also introduced in 1976 which was later abolished in 1992. Over a span of forty-five years the department has expanded many folds and has produced thousands of M.Sc. in Physics. First time regular classes of M.Phil and PhD started in 2014 on semester system. In this first batch 11 scholars of M.Phil and 11 Scholars of PhD successfully completed their course work. The department of Physics emphasize the researchers in physics of nanotechnology, communication system, condense matter physics, and modeling and simulation. The graduates of this department are not only working in prestigious institutes/organizations/universities of Pakistan but are also serving as faculty members of foreign universities.

## Objectives

- Physics is a fundamental science which exerts a vital and dominant role in the development of other scientific disciplines. Physics has also a direct impact on society and economy because the present civilization is strongly influenced by science and technology. Physics has always an asset of technologically advanced countries. Physics bred the technologies and new



sciences of the past and till to date, is breeding new technologies and sciences. The main objectives of Department of Physics are,

- To prepare qualified and focused professionals in the subject of Physics to meet the future needs of educational institutes and industry.
- To prepare researchers to meet the emerging needs of industry and research organizations.
- To develop the department as a centre of excellence in Physics teaching and research in the province of Balochistan.

### Vocational Job Opportunities/ Marketability of Graduates

- Pakistan Atomic Energy Commission (PAEC), KRL, SUPARCO, CENAR, PNRA, Geological survey of Pakistan, IT based Services, various industries dealing in Scientific and Electronic equipments, Provincial and Federal Schools, Colleges, Universities, and Research Institutes, Multinational companies.



### Faculty Members

S #	Name	Designation	Qualification
1	Dr. Ajab Khan Kasi	Associate Professor/ Chairperson	Ph.D
2	Mr. Shahab Naseem	Assistant Professor	M.Phil
3	Mr. Muhammad Ali	Assistant Professor	M.Sc
4	Mr. Muhammad Latif	Assistant Professor	M.Phil
5	Syed Abdul Sattar Agha	Assistant Professor	M.Phil
6	Dr. Jafar Khan Kasi	Assistant Professor	Ph.D
7	Dr. Syed Muzamil Bokhari	Assistant Professor	Ph.D
8	Dr. Muhammad Sohail	Assistant Professor	Ph.D
9	Mr. Abaidullah Khan	Lecturer	M.Sc
10	Mr. Muhammad Hussain	Lecturer	M.Sc
11	Mr. Fareed Khan	Lecturer	M.Sc
12	Mr. Syed Wajahat Ali	Lecturer	M.Phil
13	Mr. Ahmed Bilal	Lecturer	M.Phil
14	Mr. Shehzad Ahmed	Lecturer	M.Phil
15	Ms. Iram Naz	Lecturer	M.Phil
16	Ms. Sana Idrees	Lecturer	M.Phil
17	Mr. Samiullah	Lecturer	M.Phil
18	Mr. Mohammad Zakria Zehri	Lecturer	M.Phil



Semester Breakup							
Year 1	<b>Sem-1</b> Total 16 Credit Hrs.	Mechanics-I	Calculus-I	Introduction to Computer	Islamic Studies	English-I (Functional English and Grammar)	-
	Course Code	PHY-601	Math-601	CS-601	ISL-601	ENG-601	-
	Credit Hrs.	4(3-1)	4(4-0)	3(3-0)	2(2-0)	3(3-0)	-
	<b>Sem-2</b> Total 20 Credit Hrs.	Electricity & Magnetism	Heat & Thermodynamics	Introduction to Statistics and Probability	Calculus-II	Pakistan Studies	English-II (Technical Writing)
	Course Code	PHY-602	PHY-603	STAT-601	MATH-602	PST-601	ENG-602
	Credit Hrs.	4(3-1)	4(3-1)	3(3-0)	4(4-0)	2(2-0)	3(3-0)

Year 2	<b>Sem-3</b> Total 17 Credit Hrs.	Waves and Oscillation	Modern Physics-I	Linear Algebra	Properties of Matter	English - III (Communication Skills)
	Course Code	PHY-604	PHY-605	MATH-603	PHY-606	ENG-603
	Credit Hrs.	4(3-1)	3(3-0)	3(3-0)	4(3-1)	3(3-0)
	<b>Sem-4</b> Total 17 Credit Hrs.	Circuit Theory	Optics	Differential Equations	Modern Physics-II	Applied Chemistry
	Course Code	PHY-607	PHY-608	MATH-604	PHY-609	CHEM-601
	Credit Hrs.	4(3-1)	3(3-0)	3(3-0)	4(3-1)	3(3-0)

Year 3	<b>Sem-5</b> Total 17 Credit Hrs.	Mathematical Methods of Physics-I	Classical Mechanics	Solid State Physics-I	Electronics-I	Electromagnetic Theory-I
	Course Code	PHY-610	PHY-611	PHY-612	PHY-613	PHY-614
	Credit Hrs.	3(3-0)	3(3-0)	4(3-1)	4(3-1)	3(3-0)
	<b>Sem-6</b> Total 16 Credit Hrs.	Mathematical Methods of Physics-II	Thermal & Statistical Mechanics	Solid State Physics-II	Electromagnetic Theory-II	Electronics-II
	Course Code	PHY-615	PHY-616	PHY-617	PHY-618	PHY-619
	Credit Hrs.	3(3-0)	3(3-0)	3(3-0)	3(3-0)	4(3-1)

Year 4	<b>Sem-7</b> Total 17 Credit Hrs.	Quantum Mechanics-I	Atomic and Molecular Physics	Nuclear Physics	Computational Physics-I	Optional Paper*
	Course Code	PHY-620	PHY-621	PHY-622	PHY-623	-
	Credit Hrs.	3(3-0)	3(3-0)	4(3-1)	3(3-0)	4(3-1)
	<b>Sem-8</b> Total 15 Credit Hrs.	Quantum Mechanics-II	Computational Physics-II	Thesis / Project	Optional Paper	-
	Course Code	PHY-624	PHY-625	PHY-626	-	-
	Credit Hrs.	3(3-0)	3(3-0)	6(6-0)/6(0-6)	3(3-0)	-

Optional Subjects in Semester 7 & 8			
Digital Electronics	Environmental Physics	Nanoscience and Nanotechnology	Communication System
PHY-627	PHY-628	PHY-629	PHY-630
4(3-1)	4(3-1)	4(3-1)	4(3-1)
Renewable Energy	Applied Solid State Physics	Radiation Safety and	Mechatronics

		Nuclear Reactor Design	
PHY-631	PHY-632	PHY-633	PHY-634
4(3-1)	4(3-1)	4(3-1)	4(3-1)
Particle Physics	Semiconductor Devices	Introduction to Photonics	Plasma Physics
PHY-635	PHY-636	PHY-637	PHY-638
3(3-0)	3(3-0)	3(3-0)	3(3-0)

**Total Credit Hours: 135**

## Facilities

**Departmental Library:** The departmental Library is managed by a qualified librarian and has over 2000 books covering a wide range of disciplines in Physics. These books are in addition to more than 2500 titles of Physics books stocked in central library of University.

**Computer Lab:** The department of Physics have a full furnished computer lab which has internet services and access to digital library where thousands of journals, proceedings, online books, and magazines are available.

**Basic Electronics Lab:** This lab is for M.Sc students to perform their practical work of analog electronics. This lab is equipped with oscilloscopes, wave generators, millimeters, power supplies, electronics trainers, amplifier ICs, oscillators, bipolar transistors, field effect transistors, diodes, and other electronic components.

**Digital Electronics Lab:** This lab is for M.Sc students to perform their practical work of digital electronics. This lab is equipped with number of digital electronics trainers which has facilities to power digital ICs and monitor their outputs with corresponding inputs. Digital Electronics Lab has wide verity of digital ICs including logic gates, flip flops, counters, and memories.

**Nuclear Lab:** This lab is for M.Sc students to perform their practical work of Nuclear Physics. This lab is equipped with number of nuclear radiation detectors, counters and ration sources.

**Physical Constants Lab:** This Lab is for MSc, M.Phil and PhD students to perform their practicals, and research work. The Physical Constants Lab has wide variety of equipments including Millikan's oil drop apparatus, Fine Beam tube apparatus for (e/m) of electron, Foucault-Michelson's apparatus for speed of light measurement, Photo cell for Planck's constant, spectrometers, Cauchy's constant apparatus, Michelson interferometer, Franck-Hertz experiment apparatus, Zeeman Effect apparatus, Compton Effect apparatus and X-Ray Diffraction system.

**Communications System Lab:** This Lab is for MSc, M.Phil and PhD students to perform their practical and research work. The communication system lab has wide variety of equipments including frequency modulation, amplitude modulation, phase modulation, pulse width modulation trainers, amplifiers, analog to digital and digital to analog convertors, transmitters, receivers, FPGA, visible light communication tools, oscilloscopes, wave generators and optical fiber trainers. Numbers of software packages are there to program devices in this lab.

**Microprocessor Lab:** The Microprocessor Lab is for MSc, M.Phil and PhD students to perform their practical, and research work. This lab has number of practical facilities including 80386, 8086, 8088, 8085 microprocessor trainers, serial and parallel interfacing trainers, analog to digital and digital to analog convertors and computer interfacing trainers.

**Mechatronics Lab:** This Lab is for MSc, M.Phil and PhD students to perform their practical, and research work. The mechatronics lab has wide variety of equipment including sensors, actuators, automation tools, programmable devices and robots. Numbers of software packages are there to program devices in this lab.

**Nanotechnology Lab:** Nanotechnology Lab is for MPhil/PhD scholars and teaching faculty to perform their research work. Main facilities of this lab are nanoporous membrane fabrication machine, electropolishing setup, electroplating setup, hydrothermal setup for ZnO growth, Autoclave, Oven, furnaces, vacuum pumps, range hood, hotplate stirrers, digital balance, optical microscope, sonicators, and desiccators etc. This lab has a stock of verity of chemicals and pure materials. With above facilities this lab is functional for several projects including, fabrication of anodic aluminum oxide membrane, fabrication of titanium dioxide membrane, growth of ZnO nanostructures, carbon nanotubes, template assisted synthesis of nanorods, nanotubes, and nanodots, nanostructured device fabrication including solar cells, nanogenerators, sensors and microfluidics.

**Microfabrication Lab:** This lab provides facilities for fabrication of microdevices such as microfluidic devices, microactuators, microsensors, and microgenerators. Main facilities in this lab are: photolithography setup, magnetron plasma sputter, thermal evaporator, spin coater, vacuum degassing setup, and chemical etcher etc.

**Characterization Lab:** This is research lab for MPhil/PhD scholars and teaching faculty to perform their research work. The characterization lab is providing facilities in verity of fields in Physics. The main function of this lab is to provide facilities for different types of measurements and detections with high accuracy. This lab is equipped with electrometers, LRC meters, nuclear detectors, and resistivity measuring equipment, dielectrics constant measuring equipment, magnetic flux generators and measuring tools, sensitive amplifiers, digital analyzer, oscilloscopes, spectrometers and data acquisition tools.

# Chemistry

## Program(s)

BS (Chemistry)

## Eligibility

F.Sc./ A-Level

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

All materials and living things consist of atoms and molecules. Chemistry is the study of these atoms and molecules and how they interact with each other and the role they play in living things. Detailed knowledge of the subject is essential for entry to many interesting and challenging careers. Chemists are creative and can discover new substances, which can have a range of applications such as medicine that fight disease (e.g. aspirin, penicillin), or as materials that are very important in everyday life (e.g. PVC, Teflon, rechargeable batteries, superconductors and fuel cell materials). Chemists in Universities and research organizations work on the discovery of new medicines, new devices and materials and on advancing our knowledge of the World. Those in industry are involved in the production and analysis of chemicals. Chemists can work with engineers and business people to turn discoveries into commercially valuable products.

The Department of Chemistry started functioning with the establishment of the University in 1971 with Dr. Aijaz. A. Malik as Head of the





Department. Two specializations, Organic chemistry and Inorganic chemistry were offered to students then. At that time, the students were sent to the University of Sindh for performing laboratory work as the laboratories in the department were in the process of development. The first batch graduated in 1973.

The Department has expanded now. Specialization in Physical Chemistry was started in 1977, Bio-Chemistry section was established in 1982 and Analytical Chemistry was started in 1984. In 2005 the department introduced Environmental Chemistry as the 4<sup>th</sup> compulsory subject in M.Sc Final.

### Objectives

- To develop conducive environment for learning and research that will foster cadres of qualified and focused professionals for chemical industries, research organizations and educational institutions of Pakistan.
- To establish linkages between the Department and the local industries and solve their technical problems.
- To prepare students for the local, national and global market by enhancing their international knowledge and developing the social confidence and adoptability they need to operate internationally.

### Job/Career Opportunities

- Educational Institutes, Colleges and Universities.
- Pharmaceutical Industry.
- Pakistan Agriculture Research Council (PARC), Atomic Energy Commission.
- Public / Private Research Organizations.

### Faculty

S#	Name	Designation	Qualification
1	Prof. Dr. Manzoor Iqbal Khattak	Professor/Dean, Faculty of Basic Sciences	Ph.D
4	Prof. Dr. Nizam-ud-Din Baloch	Professor/ Chairperson	Ph.D
1	Prof. Dr. Masood Ahmed Siddiqui	Professor	Ph.D
3	Prof. Dr. Mohammad Yaqoob	Professor	Ph.D
5	Dr. Naqeebullah	Assistant Professor	Ph.D
6	Dr. Samar Ali	Assistant Professor	Ph.D
7	Dr. Samiullah	Assistant Professor	Ph.D
8	Dr. Ghulam Mustafa	Assistant Professor	Ph.D
9	Dr. Atiq Ur Rehman	Assistant Professor	Ph.D
10	Ms. Amna Bano	Assistant Professor	M.Phil
11	Mr. Waheed Ahmed Shah	Assistant Professor	M.Phil
12	Ms. Shaheen Wali	Lecturer	M.Sc
13	Ms. Arifa Bano	Lecturer	M.Sc
14	Ms. Anum Iqbal	Lecturer	M.Sc
15	Mr. Irshad Ali	Lecturer	M.Sc
16	Ms. Masooma Yaqoob	Lecturer	M.Sc
17	Ms. Halima Nasir	Lecturer	M.Sc
18	Ms. Huma Asif	Lecturer	M.Sc
19	Mr. Muhammad Faiz	Lecturer	M.Sc

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 16 Credit Hrs.	ENGLISH-I (FUNCTIONAL)	GEN-I	GEN-II	MATHEMATIC S-1	COMPUTER APPLICATION	INORGANIC CHEMISTRY-I
	<b>Course Code</b>	ENG-601	GEN-602	GEN-603	MATH-604	COMP-605	CHEM-606
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	2(2-0)	3(3-0)	2(2-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	ENGLISH-II (COMMUNICA TION SKILLS)	ISLAMIC STUDIES/ETHI CS	GEN-III	MATHEMATIC S-II	GEN-IV	ORGANIC CHEMISTRY-I
	<b>Course Code</b>	ENG-607	ISL-608	GEN-609	MATH-610	GEN-611	CHEM-612
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 2	<b>Sem-3</b> Total 17 Credit Hrs.	ENGLISH-III (REPORT WRITING)	PAKISTAN STUDIES	GEN-V	GEN-VI	ENVIRONMEN TAL CHEMISTRY-I	PHYSICAL CHEMISTRY-I
	<b>Course Code</b>	ENG-613	PAK-614	GEN-615	GEN-616	CHEM-617	CHEM-618
	<b>Credit Hrs.</b>	3 (3-0)	2(-0)	2(2-0)	3 (3-0)	3 (0-3)	3 (3-0)
	<b>Sem-4</b> Total 15 Credit Hrs.	STATISTICS	GEN-VII	GEN-VIII	ANALYTICAL CHEMISTRY-I	APPLIED CHEMISTRY	BIOCHEMISTRY- I
	<b>Course Code</b>	STAT-619	GEN-620	GEN-621	CHEM-622	CHEM-623	CHEM-624
	<b>Credit Hrs.</b>	3 (3-0)	3 (3-0)	3 (3-0)	2 (1-1)	2 (2-0)	2 (1-1)

Year 3	<b>Sem-5</b> Total 12 Credit Hrs.	INORGANIC CHEMISTRY-II	ORGANIC CHEMISTRY- II	PHYSICAL CHEMISTRY- II	ANALYTICAL CHEMISTRY-II /BIOCHEMISTRY-II
	<b>Course Code</b>	CHEM-625	CHEM-626	CHEM-627	CHEM-628/629
	<b>Credit Hrs.</b>	3 (3-0)	3(3-0)	3(3-0)	3 (3-0)
	<b>Sem-6</b> Total 12 Credit Hrs.	INORGANIC CHEMISTRY-III	ORGANIC CHEMISTRY- III	PHYSICAL CHEMISTRY- III	ANALYTICAL CHEMISTRY-II / BIOCHEMISTRY-II
	<b>Course Code</b>	CHEM-630	CHEM-631	CHEM-632	CHEM-633/34
	<b>Credit Hrs.</b>	3 (2-1)	3 (2-1)	3 (2-1)	3 (2-1)

#### FIELD OF SPECIALIZATION

This syllabus of BS Chemistry offers five specializations including Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Analytical Chemistry and Biochemistry. The students will select any one specialization in the 7<sup>th</sup> semester.

INORGANIC CHEMISTRY								
Year 4	<b>Sem-7</b> Total 12 Credit Hrs.	PAPER-I	PAPER-II	PAPER-III	LAB-I	RESEARCH METHODOLOGY	RESEARCH PROJECT-I	
	<b>Course Code</b>	CHEM-635	CHEM-636	CHEM-637	CHEM-638	CHEM-639	CHEM-640	
	<b>Credit Hrs.</b>	3 (3-0)	3 (3-0)	3 (3-0)	1 (0-1)	3 (3-0)	3 (0-3)	
	ORGANIC CHEMISTRY							
		PAPER-I	PAPER-II	PAPER-III	LAB-I	RESEARCH METHODOLOGY	RESEARCH PROJECT-I	
	<b>Course Code</b>	CHEM-641	CHEM-642	CHEM-643	CHEM-644	CHEM-639	CHEM-640	
<b>Credit Hrs.</b>	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)		
PHYSICAL CHEMISTRY								
	PAPER-I	PAPER-II	PAPER-III	LAB-I	RESEARCH METHODOLOGY	RESEARCH PROJECT-I		
<b>Course Code</b>	CHEM-645	CHEM-645	CHEM-647	CHEM-648	CHEM-639	CHEM-640		
<b>Credit Hrs.</b>	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)		

ANALYTICAL CHEMISTRY						
	PAPER-I	PAPER-II	PAPER-III	LAB-I	RESEARCH METHODOLOGY	RESEARCH PROJECT-I
Course Code	CHEM-649	CHEM-650	CHEM-651	CHEM-652	CHEM-639	CHEM-640
Credit Hrs.	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)
BIOCHEMISTRY						
	PAPER-I	PAPER-II	PAPER-III	LAB-I	RESEARCH METHODOLOGY	RESEARCH PROJECT-I
Course Code	CHEM-653	CHEM-654	CHEM-655	CHEM-656	CHEM-639	CHEM-640
Credit Hrs.	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)
INORGANIC CHEMISTRY						
<b>Sem-8</b> Total 12 Credit Hrs.	PAPER-IV	PAPER-V	PAPER-VI	LAB-II	ENVIRONMENTAL CHEMISTRY-II	RESEARCH PROJECT-II
Course Code	CHEM-657	CHEM-658	CHEM-659	CHEM-660	CHEM-661	CHEM-662
Credit Hrs.	3 (3-0)	3 (3-0)	3 (3-0)	1 (0-1)	3 (3-0)	3 (0-3)
ORGANIC CHEMISTRY						
	PAPER-IV	PAPER-V	PAPER-VI	LAB-II	ENVIRONMENTAL CHEMISTRY-II	RESEARCH PROJECT-II
Course Code	CHEM-663	CHEM-664	CHEM-665	CHEM-666	CHEM-661	CHEM-662
Credit Hrs.	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)
PHYSICAL CHEMISTRY						
	PAPER-IV	PAPER-V	PAPER-VI	LAB-II	ENVIRONMENTAL CHEMISTRY-II	RESEARCH PROJECT-II
Course Code	CHEM-667	CHEM-668	CHEM-669	CHEM-670	CHEM-661	CHEM-662
Credit Hrs.	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)
ANALYTICAL CHEMISTRY						
	PAPER-IV	PAPER-V	PAPER-VI	LAB-II	RESEARCH METHODOLOGY	RESEARCH PROJECT-I
Course Code	CHEM-671	CHEM-672	CHEM-673	CHEM-674	CHEM-661	CHEM-662
Credit Hrs.	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)
BIOCHEMISTRY						
	PAPER-IV	PAPER-V	PAPER-VI	LAB-II	RESEARCH METHODOLOGY	RESEARCH PROJECT-I
Course Code	CHEM-675	CHEM-676	CHEM-677	CHEM-678	CHEM-639	CHEM-640
Credit Hrs.	3 (3-0)	3 (3-0)	3 (3-0)	1(0-1)	3 (3-0)	3 (0-3)

### Facilities

Five Specializations are offered by the Department of Chemistry and there are five teaching and five research Laboratories. All the laboratories are adequately equipped.

**Computer Laboratory:** There is a computer laboratory having 25 PCs with internet facilities.

**Departmental Library:** The departmental library is managed by a qualified librarian and has over 2500 books covering a wide range of disciplines in Chemistry for teaching and research purposes. These books are in addition to more than 2000 Chemistry books stocked in Central Library of the University. In 2007 about 300 books of latest addition have been purchased for the seminar library. The departmental library also has a vast collection of international research journals.

**Internet Facility:** The internet facility is available in all laboratories, library and rooms for the teachers. A large number of international research journals are also available on Digital Library provided by Higher Education Commission and research article of interest can also be downloaded.

# Mathematics

## Program(s)

BS (Mathematics)

## Eligibility

Intermediate or its equivalent with Mathematics

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Mathematics is fundamental and indispensable to a large part of modern Science and Technology. Progress in other disciplines is often linked to an increased use of Mathematics. Mathematics is however also a subject in itself and fundamental research is a necessary condition for its many applications. Mathematics is the backbone of all disciplines. It has extensive applications in Physics; engineering, economics, geography, computer science, statistics; social science and many other fields. Our aim in this department is;

The Department of Mathematics started functioning in 1972 with a small number of students and only one regular staff member. In 1980, it emerged as a full-fledged department. The Department has now a full-fledged faculty of 15 members and is offering M.Sc., M. Phil and Ph. D in the fields of Pure and Applied Mathematics.

## Objectives

- To provide a variety of courses that have been instrumental to create batches of qualified and focused professionals to meet the future needs of educational institutes or Industries.
- To develop cadres of students will have knowledge of such basic ideas as rigorous argument, formal proof and the power of formulation and solution of problems, together with deeper ideas of mathematics in which they have decided to specialize.

## Job Opportunities

- Banking, Scientific and technological institutes such as SUPARCO, Atomic Energy Commission, PASTIC, and Pakistan Science Foundation.
- Teaching Jobs in Colleges and Universities.



## Programs

- BS (Mathematics)

## Eligibility

- Intermediate with Mathematics, securing at least 50% marks in aggregate. Or
- Any other examination of a Foreign University / Institution / Examining Body, equivalent to Intermediate with Mathematics. Equivalence and percentage of marks will be determined by IBCC. Or
- Diploma of Associate Engineering Examination, securing at least 60% marks in aggregate.

## Faculty

S.#	Name	Designation	Qualification
1	Dr. Saleem Iqbal	Associate Professor/ Chairperson	Ph.D
2	Dr. Abdul Rehman	Assistant Professor	Ph.D
3	Dr. Naveed Sheikh	Assistant Professor	Ph.D
4	Mr. Israr Ahmed	Assistant Professor	M.Phil
5	Mr. Arbab Ghulam Raza	Assistant Professor	M.Phil
6	Arbab Ghulam Mustafa	Assistant Professor	M.Sc
7	Mr. M. Umar Farooq	Assistant Professor	M.Sc
8	Mr. Sardar Mohammad	Lecturer	M.Phil
9	Ms. Sidra Shujah	Lecturer	M.Phil
10	Mr. Ali Ahmed	Lecturer	M.Phil
11	Ms. Sana Jafar	Lecturer	M.Sc
12	Mr. Dawood Khan	Lecturer	M.Sc
13	Ms. Maria Baloch	Lecturer	M.Sc

## SEMESTER BREAKUP

		Calculus-I	Elements of Set Theory and Mathematical Logic	English - I (Functional English)	Islamic Studies/Ethics	Computer Programming	Chemistry
Year 1	<b>Sem-1</b> Total 18 Credit Hrs.						
	<b>Course Code</b>	MATH-601	MATH-615	ENG-601	ISL-601	COMP-601	CHEM-601
	<b>Credit Hrs.</b>	4(4-0)	3(3-0)	3(3-0)	2(2-0)	3(2-1)	3(3-0)
Year 1	<b>Sem-2</b> Total 18 Credit Hrs.	Calculus II	Software packages	Introduction to Statistics	English -II (Communication Skills)	Pakistan Studies	Introduction to Environmental Sciences
	<b>Course Code</b>	MATH-613	COMP-602	STAT-601	ENG-602	PAK-601	ENV-601
	<b>Credit Hrs.</b>	4(4-0)	3(2-1)	3(3-0)	3(3-0)	2(3-0)	3(3-0)

		Linear Algebra	Calculus III	Discrete Mathematics	English-III (Technical Writing and Presentation Skills)	Psychology
Year 2	<b>Sem-3</b> Total 16 Credit Hrs.					
	<b>Course Code</b>	MATH-602	MATH-614	MATH-616	ENG-603	PSY-601
	<b>Credit Hrs.</b>	3(3-0)	4(4-0)	3(3-0)	3(3-0)	3(3-0)
Year 2	<b>Sem-4</b> Total 15 Credit Hrs.	Affine and Euclidean Geometry	Group Theory	Ordinary Differential Equations	Economics	Sociology
	<b>Course Code</b>	MATH-617	MATH-617	MATH-695	ECO-601	SOC-601
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

		Topology	Differential Geometry	Real Analysis- I	Rings and Fields	Mechanics
Year 2	<b>Sem-5</b> Total 15 Credit Hrs.					

	<b>Course Code</b>	MATH-611	MATH-611	MATH-611	MATH-611	MATH-611
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Analytical Dynamics	Partial Differential Equations	Complex Analysis	Vector and Tensor Analysis	Real Analysis-II
	<b>Course Code</b>	MATH-611	MATH-611	MATH-611	MATH-611	MATH-611
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 4	<b>Sem-7</b> Total 18 Credit Hrs.	Functional Analysis	Numerical Methods	Mathematical Methods	E-1	E-2	E-3
	<b>Course Code</b>	MATH-621	MATH-612	MATH-622	-	-	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 19 Credit Hrs.	Numerical Analysis	Integral Equations	E-4	E-5	Project	-
	<b>Course Code</b>	MATH-423	MATH-424	-	-	-	-
	<b>Credit Hrs.</b>	4(3-1)	3(3-0)	3(3-0)	3(3-0)	6(6-0)	-

**Total Credit Hours: 135**

Optional Subjects in Semester 7 & 8					
Measure Theory	Introduction to Quantum Mechanics	Measure and Integration	Introduction to Combinatorics	Introduction to Algebraic Geometry	Introduction to Algebraic System
MATH-625	MATH-626	MATH-627	MATH-628	MATH-629	MATH-630
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
Number Theory	Computing Techniques	Calculus with Maple	Theory of Manifolds	Fluid Mechanics-I	Fluid Mechanics-II
MATH-631	MATH-632	MATH-633	MATH-634	MATH-635	MATH-636
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
Elasticity	Special Theory of Relativity	Machine Learning	Robotics	Advanced Robotics	Basics in Programming
MATH-637	MATH-638	MATH-639	MATH-640	MATH-641	MATH-642
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
Riemannian Geometry	Algebraic Topology	Advanced Topology	Advanced Functional Analysis	Advanced Group Theory	Calculus of Variations
MATH-643	MATH-644	MATH-645	MATH-646	MATH-647	MATH-648
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
Mathematical Statistics	Optimization	-	-	-	-
MATH-649	MATH-650	-	-	-	-
3(3-0)	3(3-0)	-	-	-	-

**Total Credit Hours: 134**

### Facilities

**Computer Lab:** Department has two separate Computer Labs for Male/Females students with three computers with Wi-Fi facilities more computers will also be included in the current academic year.

**Departmental Library:** Department has about 400 books

**Internet:** The Internet facility is available in the Computer Lab as well as in the rooms of teaching staff. A large number of Books and international research journals are also available on Digital Library provided by Higher Education Commission and research articles of interest can also be down loaded.

# Statistics

## Program(s)

BS (Statistics)

## Eligibility

F.A/F.Sc/ICS/I.Com with Mathematics or Statistics

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)  
Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Statistics is a fundamental science, which exerts a vital and dominant role in the development of other scientific disciplines. Statistical Science skills are important in all applied sciences (life sciences, medicine and related fields, physical sciences) and are becoming increasingly so in emerging fields that require analysis of complex data such as agriculture, business and finance. There is a constant demand for graduates with these skills in both industry and academia. Statistics also has a direct impact on society and economy besides science and technology. The Department of Statistics was established in March 1979. Prof. Joseph Elfenbein was the founder of the Department. Incepted with regular programs of MSc, the department has also started programs in M.Phil and Ph.D.

## Objectives

- To create and develop cadres of motivated researchers, scholars and practitioners to meet the needs of agriculture, industry, research organizations and educational institutions of the local, national and international level.
- To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.

## Job Opportunities

Statistics degree holders can join.

- Educational Institutions, Colleges and Universities.
- Public / Private Research Organizations,



Administration, Planning and Finance

- Provincial and Federal Bureau of Statistics
- Banks/NADRA/Health and Agricultural departments
- Energy Sector

### Faculty

S.#	Name	Designation	Qualification
1	Prof. Dr. Yasmin Zahra Jafri	Professor/Chairperson	Ph.D.
2	Dr. Farhat Iqbal	Associate Professor	Ph.D.
3	Dr. Abdul Raziq	Assistant Professor	Ph.D.
4	Mrs. Ruqia Rehman	Assistant Professor	M.Phil.
5	Mr. Azhar Ali Marri	Assistant Professor	M.Phil.
6	Mr. Ghulam Farooq	Assistant Professor	M.Sc.
7	Mr. Jamal Abdul Nasir	Lecturer	M.Sc.
8	Mr. M. Sohail Akhtar	Lecturer	M.Sc.
9	Mr. Syed Ejaz Ali Shah	Lecturer	M.Sc.

### SEMESTER BREAKUP

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	English – I (Functional English)	Islamic Studies / Ethics	Introductory Statistics	Mathematics A-I (Calculus)	Introduction to Computers	Physics
	<b>Course Code</b>	ENG-601	ISL-601	STAT-601	MATH-601	COMP-601	PHY-601
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	Introduction to Probability and Probability Distributions	Mathematics A-II (Analytical Geometry)	English-II (Communication Skills)	Pakistan Studies	Introduction to Environmental Sciences	Chemistry
	<b>Course Code</b>	STAT-602	MATH-602	ENG-602	PAK-601	ENV-601	CHEM-601
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	

Year 2	<b>Sem-3</b> Total 15 Credit Hrs.	Basic Statistical Inference	English-III (Technical Writing and Presentation Skills)	Introduction to Computer Programming	Introductory Accounting	Introduction to Psychology
	<b>Course Code</b>	STAT-603	ENG-603	COMP-602	ACC-601	PSY-601
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(2-1)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 15 Credit Hrs.	Applied Statistics	Introduction to Regression and Analysis of Variance	Mathematics A-III (Numerical Methods)	Linear Algebra	Fundamentals of Economics
	<b>Course Code</b>	STAT-605	STAT-604	MATH-603	STAT-620	ECON-601
<b>Credit Hrs.</b>	3(2-1)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Probability Distributions-1	Sampling Techniques-I	Design and Analysis of Experiments-I	Regression Analysis	Statistical Packages
	<b>Course Code</b>	STAT-607	STAT-608	STAT-610	STAT-609	STAT-606
	<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	4(3-1)	3(2-1)
	<b>Sem-6</b> Total 18 Credit Hrs.	Probability Distributions-II	Sampling Techniques-II	Econometrics	Design and Analysis of Experiments-II	ELECTIVE-I
	<b>Course Code</b>	STAT-612	STAT-613	STAT-614	STAT-615	-
<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	4(3-1)	3(3-0)	



Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	Statistical Inference-I	Applied Multivariate Analysis	Nonparametric Methods	ELECTIVE-II	ELECTIVE-III
	<b>Course Code</b>	STAT-617	STAT-618	STAT-611	-	-
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 19 Credit Hrs.	Statistical Inference-II	Population Studies	Research Project	ELECTIVE-IV	ELECTIVE-V
	<b>Course Code</b>	STAT-619	STAT-616	STAT-621	-	-
	<b>Credit Hrs.</b>	4(3-1)	3(3-0)	6(6-0)	3(3-0)	3(3-0)

**Total Credit Hours: 134**

Elective Subjects					
Operations Research	Introduction to Time Series Analysis	Stochastic Processes	Reliability Theory	Decision Theory	Population Models
STAT-623	STAT-627	STAT-625	STAT-626	STAT-628	STAT-624
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
Robust Methods	Survival Analysis	Official Statistics	Biostatistics	Data Mining	Actuarial Statistics-I
STAT-629	STAT-631	STAT-630	STAT-632	STAT-633	STAT-634
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
Actuarial Statistics-II	Mathematical Modeling and Simulation	Categorical Data Analysis	Research Methodology	Bayesian Inference	Statistical Quality Control
STAT-635	STAT-636	STAT-637	STAT-622	STAT-638	STAT-639
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

### Facilities

**Computer Laboratory:** A computer laboratory with statistical packages such as SPSS, MINITAB, and R for students and researchers.

**Departmental Library:** The departmental seminar library has around 400 books on different branches of statistics.

**Internet:** The internet facility is available in the rooms of teaching staff. A large number of books and international research journals are also available on Digital Library provided by Higher Education Commission and research articles of interest can be downloaded.







2020

## Faculty of Management Sciences, Business & IT

- ▶ Commerce
- ▶ Institute of Management Sciences
- ▶ Economics
- ▶ Computer Science & Information Technology
- ▶ Library & Information Science

# Commerce

## Program(s)

BS (Commerce)

## Eligibility

Intermediate or its equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The Department of Commerce has evolved as one of the flagship departments of University of Balochistan. The department has been instrumental in providing the young learners with a profound understanding of theoretical and practical aspects of the Commerce as a discipline and a real life phenomenon. Since Inception (1973) the department has crossed milestones of its growth and development. Starting with undergraduate studies, the department has gradually built B.Com and M.Com programs. The department unfolds viable educational environment that tend to fester both research and analysis skills of the students. Seminars, debates, dialogues, and workshops have been conducted by the department to develop cadres of quality human resource in the domain of commerce, industry and business at local, national and international levels.

The Department, in keeping with the advances made in different branches of commerce, has revised the curriculum from time to time. The last revision of curriculum has taken place very recently in 2016. Under the new curriculum, the Department has upgraded to the system of semester-based teaching. Currently, M.Com. Program run by the Department both in the Morning and Evening Sessions, offers 19 Core courses 04 Elective / Specialization courses and a Research Project. M.Phil and PhD program have also been structured to cater the need of Balochistan in area of Commerce & Business.

Leadership and faculty of the department are seeking ways to enable the students to be the business leaders, Managers, Entrepreneurs, Auditors, Bankers etc. of tomorrow, this approach would definitely lead students towards their targeted job market and make their way clear



towards the destination of professionalism. Alumni record validates that major portion of provincial workforce in the business and banking sectors have already been graduated from Department of Commerce, UOB, either at bachelor levels or Master levels.

### Objectives

- To provide updated, well informed and fresh knowledge base through up-dating the curriculum of the study programs so that to meet the leading regional and global challenges and harness the opportunities opening in the wake of China-Pakistan Economic Corridor (CPEC) at national and particularly provincial level.
- To develop an environment stemmed in learning and education of the commerce and business for cadres of students from diverse backgrounds so that high quality of human resource could be created through opening study programs of B.S (four-year program), M.com program, M Phil and PhD programs.

### Jobs/Career Opportunities

- Alumni of the Department of Commerce are currently being engaged in different fields of public and private sector like NGOs, Education, Business, and Banking etc. hence commerce students may seek career/job in following areas:
  - Financial Institutions
  - Audit and Accountancy Firms
  - Federal & Provincial Audit Departments
  - Industries and Commerce Department
  - Taxation Management
  - Banking Sector
  - Entrepreneurship
  - Local & Multinational NGOs
  - Public & Private Sector Organizations
  - Commerce Colleges

### Faculty

S.#	Name	Designation	Qualification
1	Prof. Dr. Nadeem Malik	Professor/Chairperson	Ph.D
2	Dr. Uzma Mukhtar	Associate Professor	Ph.D
3	Ms. Shakira Bukhari	Assistant Professor	MPhil
4	Dr. Muhammad Shafiq	Lecturer	Ph.D
5	Dr. Dilawar Khan Durrani	Lecturer	Ph.D
6	Ms. Amina Khuda Dad	Lecturer	M.com
7	Syed Jameel Ahmed	Lecturer	MBA
8	Mr. Kanan Asif	Lecturer	M.Phil
9	Ms. Sana Batool	Lecturer	M.Com
10	Ms. Benish Sehar Khalid	Lecturer	M.Com
11	Mr. M. Masood Babar	Lecturer	M.Com, LL.B
12	Mr. Masood Khan	Lecturer	M.Com
13	Ms. Farheen Mubashir	Lecturer	M.Com
14	Ms. Roqia Ismail	Lecturer	MS

### SEMESTER BREAKUP

Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Islamic Studies	Functional English	Introduction to Business	Principles of Accounting	Micro Economics	Business Mathematics
	<b>Course Code</b>	ISL-601	ENG-602	COM-603	COM-604	COM-605	COM-606
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	Pakistan Studies	Business Communication	Computer Applications in Business	Financial Accounting	Macro Economics	Business Statistics
	<b>Course Code</b>	PST-607	COM-608	COM-609	COM-610	COM-611	COM-612
<b>Credit Hrs.</b>	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Business Law	Technical Writing and Presentation Skills	Introduction to Business Finance	Advanced Accounting – I	Economic issues of Pakistan	Introduction to Psychology and Organization Behavior
	<b>Course Code</b>	COM-613	COM-614	COM-615	COM-616	COM-617	COM-618
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	Introduction to Sociology	English-IV / Information Technology in Business	Cost Accounting	Advanced Accounting – II	Principles of Management	Inferential Statistics
	<b>Course Code</b>	COM-619	COM-620	COM-621	COM-622	COM-623	COM-624
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Business Research Methods	Managerial Economics	Financial Management	Principles of Marketing	Business Ethics and CSR	Leadership and Community Development
	<b>Course Code</b>	COM-625	COM-626	COM-627	COM-628	COM-629	COM-630
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 18 Credit Hrs.	Logic and Critical Thinking	Principles of Auditing	Human Resource Management	Managerial Accounting	Entrepreneurship and SMEs Management	Corporate Laws and Secretarial Practices
	<b>Course Code</b>	COM-631	COM-632	COM-633	COM-634	COM-635	COM-636
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 4	<b>Sem-7</b> Total 18 Credit Hrs.	Strategic Management	Business Taxation	E-commerce / Computerized Accounting	Elective – I	Elective – II
	<b>Course Code</b>	COM-637	COM-638	COM-639	COM-640	COM-641
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 18 Credit Hrs.	Corporate Governance	Elective – III	Elective – IV	Internship and Viva Voce along with a Course	Research Project and Viva Voce / Two Courses and Exam
	<b>Course Code</b>	COM-642	COM-643	COM-643	COM-644	COM-645
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	6(3-3)	6(3-3)	

### Field of Specialization

A student will be required to opt 04 Elective subjects from among the following fields of specialization.

**Note:** Selection of Elective courses (from the available/ suggested subjects list/ titles) is contingent on the availability of the subject specialist in the relevant field and the approval of the Departmental Semester Committee (DSC)

1. Accounting					
Corporate Reporting.	Public Sector Accounting.	Accounting for Associations Not-for-profit.	Strategic Management Accounting/Performance Management	Accounting Information Systems.	
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
Cost Accounting for Selected Sectors.	Group Accounting.	Analysis of Financial Statements.	International Accounting and Accounting for MNCs.	Forensic Accounting.	
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
2. Finance					
Corporate Finance.	Investment and Portfolio Management.	Risk Management.	Financial Markets and Institutions.	International Financial Management.	Islamic Modes of Financing.
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
Financial Derivatives – Theory and Practice.	Analysis of Financial Statements.	Financial Appraisal.	International Trade Finance and Foreign Exchange Operations.	Financial Regulatory Institutions – Status, Functions and Role.	Management of Banking and Financial Operations.
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
3. Banking					
Banking Laws and Practices	Dynamics of Consumer Banking.	Islamic Banking and Finance.	Marketing for Financial Services.	Credit and Risk Management in Banking Sector.	E-banking.
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
Anti-money Laundering – Measures and Control.	Financing for SMEs’.	NBFCs and Micro-financing.	Central Banking and International / Global Banking.	Management of Banking Operations.	-
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-

4. Auditing and Taxation					
(4 Courses – 2 from each segment)					
Auditing (Any 2 Courses)			Taxation (Any 2 Courses)		
S.No.	Courses	Cr. Hr’s	S.No.	Courses	Cr. Hr’s
1.	Auditing and Assurance.	3	1.	Corporate Taxation.	3
2.	Forensic and Investigation Auditing.	3	2.	Sales Tax, Excise Duty and Customs.	3
3.	Internal Control System, Information Systems and Compliance.	3	3.	Local and Provincial Laws.	3
4.	Performance Audit and Evaluation.	3	4.	Global Taxation.	3

4. Accounting & Finance					
(4 Courses – 2 from each segment without overlapping)					
Accounting (Any 2 Courses)			Finance (Any 2 Courses)		
S.No.	Courses	Cr. Hr’s	S.No.	Courses	Cr. Hr’s
1.	Corporate Reporting	3	1.	Corporate Finance	3
2.	Public Sector Accounting	3	2.	Investment and Portfolio Management	3
3.	Accounting for Associations Not-for-profit	3	3.	Risk Management	3

4.	Strategic Management Accounting/Performance Management	3	4.	Financial Markets and Institutions	3
5.	Accounting Information Systems	3	5.	International Financial Management	3
6.	Cost Accounting for Selected Sectors	3	6.	Islamic Modes of Financing	3
7.	Group Accounting	3	7.	Financial Derivatives – Theory and Practice	3
8.	Analysis of Financial Statements	3	8.	Analysis of Financial Statements	3
9.	International Accounting and Accounting for MNCs	3	9.	Financial Appraisal	3
10.	Forensic Accounting	3	10.	International Trade Finance and Foreign Exchange Operations	3
			11.	Financial Regulatory Institutions – Status, Functions and Role	3
			12.	Management of Banking and Financial Operations	3

6. Banking & Finance					
(4 Courses – 2 from each segment without overlapping)					
Banking (Any 2 Courses)			Finance (Any 2 Courses)		
S.No.	Courses	Cr. Hr's	S.No.	Courses	Cr. Hr's
1.	Banking Laws and Practices.	3	1.	Corporate Finance.	3
2.	Dynamics of Consumer Banking.	3	2.	Investment and Portfolio Management.	3
3.	Islamic Banking and Finance.	3	3.	Risk Management.	3
4.	Marketing for Financial Services.	3	4.	Financial Markets and Institutions.	3
5.	Credit and Risk Management in Banking Sector.	3	5.	International Financial Management.	3
6.	E-banking.	3	6.	Islamic Modes of Financing.	3
7.	Anti-money Laundering – Measures and Control.	3	7.	Financial Derivatives – Theory and Practice.	3
8.	Financing for SMEs'.	3	8.	Analysis of Financial Statements.	3
9.	NBFCs and Micro-financing.	3	9.	Financial Appraisal.	3
10.	Central Banking and International / Global Banking.	3	10.	International Trade Finance and Foreign Exchange Operations.	3
11.	Management of Banking Operations	3	11.	Financial Regulatory Institutions.	3





# Institute of Management Sciences

## Program(s)

- BBA (Morning & Afternoon)
- BPA (Morning)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 15-18 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The leading economic, cultural and environmental changes at global level have largely impacted nations and societies all over the world. The free market economy and trade liberalization policies have figured out the need of modern institutional networks that seeks for highly efficient and vigilant management systems at different public and private sector institutions. While zooming in the emerging situation and peculiar challenges and opportunities in Pakistan generally and Balochistan especially, the discipline of management sciences need to be highly responsive and relevant to the needs of the people.

The inception of IMS in 2000 was aimed to impart quality education in management and administration to strengthen the human resource base in Balochistan. The Institute started its journey with the name of Department of Administrative Sciences in 1989 and Mr. Muhammad Hassan Shaikhwa led as the first Chairman of the department. The department was upgraded to the Institute of Management Sciences on 2000.

The IMS has established high quality of study programs, research, analysis and practice environment and since inception has created cadres of high quality of HR that are contributing in various institutions as leaders, managers and administrators.

## Objectives

- To design and develop programs that can fulfill the need of producing quality human resource in the fields of specialized functional areas of management sciences, including management information systems and to develop cadres of conceptually and



technically equipped professionals in Management Sciences who can contribute as leaders, managers and creators of the management systems and institutions in the public and private sectors organizations.

- To develop human resource for undertaking applied and synthesizing research ventures, in-depth analysis and practical skills for responding on the basic issues, challenges and opportunities of economy, commerce, and services at various public and private sectors.

#### Job/Career Opportunities

- Private and Public Sectors Organizations.
- Financial Institutions.
- Insurance Companies.
- Local and Multinational NGOs.

#### Faculty

S.#	Name	Designation	Qualification
1	Prof. Dr. Saubia Ramzan	Professor/Dean, Faculty of Management Sciences, Business & IT	Ph.D
2	Prof. Dr. Zainab Bibi	Professor/Director	Ph.D
3	Prof. Dr. Jan Muhammad	Professor	Ph.D
4	Prof. Dr. Jehanvash Karim	Professor	Ph.D
5	Dr. Abdul Naeem	Associate Professor/ Director	Ph.D
6	Mr. M.K.Bhatti	Assistant Professor	M.Phil
7	Mr. Sulaiman Akbar	Assistant Professor	MS
8	Dr. Jameel Ahmed	Assistant Professor	Ph.D
9	Dr. Kaneez Fatima	Assistant Professor	Ph.D
10	Dr. Safia Bano	Assistant Professor	Ph.D
12	Ms. Farae Naeem	Assistant Professor	MS
13	Mr. Nadir Khan	Assistant Professor	MS
14	Mr. Khurram Shahzad	Assistant Professor	MS
15	Mr. Muhammad Naeem	Assistant Professor	MS
16	Mr. Furqan-ul-Haq	Assistant Professor	MS
17	Dr. Beenish Malik	Lecturer	Ph.D
18	Mr. Abdul Wahid Zehri	Lecturer	MS
19	Ms. Fouzia Sheikh	Lecturer	MS
20	Mr. Muhammad Danish	Lecturer	MS
21	Mr. Zubair Sharif	Lecturer	MS
22	Ms. Uzma Gilani	Lecturer	MS
23	Mr. Wattan Yar Khan	Lecturer	MS
24	Ms. Asma Mushtaq	Lecturer	MS
25	Ms. Mahwaish Talib	Lecturer	MS
26	Ms. Masooma Iram	Lecturer	MBA
27	Mr. Tabish Shabee	Lecturer	MBA
28	Ms. Saira Baloch	Lecturer	MBA
29	Mr. Safi Ullah	Lecturer	MBA
30	Mr. Nida Muhammad	Lecturer	MBA
31	Mr. Rodain Khan	Lecturer	MBA

**SEMESTER BREAKUP (BBA)**  
**(126 Credit Hours, 42 courses @ 3Credit hour each)**

<b>Year 1</b>	<b>Sem-1</b> Total 15 Credit Hrs.	Functional English-I	Islamic Studies	Business Mathematics	Introduction to Management	Computer Application Packages
	<b>Course Code</b>	BA-501	BA-505	BA-507	BA-534	BA-539
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 15 Credit Hrs.	Functional English-II	Pakistan Studies	Micro Economics	Financial Accounting-I	Principles of Marketing
	<b>Course Code</b>	BA-502	BA-506	BA-509	BA-531	BA-532
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

<b>Year 2</b>	<b>Sem-3</b> Total 15 Credit Hrs.	Business Communication – I	Macro Economics	Financial Accounting-II	Human Resource Management	Introduction to Sociology
	<b>Course Code</b>	BA-503	BA-538	BA-541	BA-535	BA-512
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 15 Credit Hrs.	Business Communication – II	Business Statistics-I	Introduction to Psychology	Analysis of Pakistani Economy	International Relations and Affairs
	<b>Course Code</b>	BA-504	BA-508	BA-511	BA-513	BA-516
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

<b>Year 3</b>	<b>Sem-5</b> Total 15 Credit Hrs.	Business Statistics-II	Financial Management	Marketing Management	Business Ethics	Specialization I
	<b>Course Code</b>	BA-554	BA-533	BA-542	BA-514	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Business Law	Business Research Methods	E-commerce	Consumer Behavior	Specialization II
	<b>Course Code</b>	BA-536	BA-537	BA-525	BA-543	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

<b>Year 4</b>	<b>Sem-7</b> Total 18 Credit Hrs.	Criminology and Social Deviance	Operations Management	Organizational Behavior	Management Information System	Project/Thesis (3 Cr Hrs)	Specialization III
	<b>Course Code</b>	BA-517	BA-545	BA-551	BA-544	BA-560	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 18 Credit Hrs.	Strategic Management	International Business	Arabic/Chinese/French	Cost Accounting	Project/Thesis (3 Cr Hrs)	Specialization IV
	<b>Course Code</b>	BA-556	BA-555	BA-515	BA-553	BA-560	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Note:F-core = Foundation Core; M-Core = Major Core.

- BA-560 (Project/Thesis) is of 6 credit hours. However, it is recommended that the total duration for Project/Thesis may be spread over two semesters (during final year) and may be evaluated by the concerned teacher/research supervisor at the end of 8<sup>th</sup> semester.
- The selection of General and Elective courses (from the available/suggested subjects list/titles) is contingent on the availability of the subject specialist in the relevant field and the approval of the Departmental Executive Committee.

SEMESTER BREAKUP (BPA) (126 Credit Hours, 42 courses @ 3Credit hour each)							
Year 1	<b>Sem-1</b> Total 14 Credit Hrs.	English Comprehension / English I	Introduction to Computers	Pakistan Studies	Introduction to Public Administration	Microeconomics	-
	<b>Course Code</b>						-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	-
	<b>Sem-2</b> Total 17 Credit Hrs.	Technical English Writing / English II	Introduction to Sociology	Islamic Studies/Ethics	Fundamentals of Mathematics	Macroeconomics	Principles of Management
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Introduction to Statistics	Communication Skills / English III	Logic & Critical Thinking	Financial Accounting	Administrative Ethics	Introduction to Psychology
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	International Language (Any) / English IV	Organizational Behavior	World Civilization	Introduction to Public Policy	Principles of Marketing	Human Resource Management
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Government & Society in Pakistan	Principles of Public Finance	Introduction to Development Economics	Applied Statistics for Managers	Political & Constitutional Development in Pakistan	Financial Management
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 18 Credit Hrs.	Research Methods & Techniques	Administrative Law & Accountability	International Relations	Decentralization & Governance	Social Entrepreneurship	Public Policy Analysis
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	Area of Specialization Course – I	Area of Specialization Course – II	Strategic Management	Managing Public & Non-Profit Organizations	Contemporary Issues of Public Admin in Pakistan
	<b>Course Code</b>					
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	Area of Specialization Course – III	Area of Specialization Course – IV	Project Management	(Research Project or Internship Report) & Viva Voce	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	6(6-0)	-

### Facilities

**Access to Computer:** The institute has two laboratories equipped with almost 50 computers with internet and latest software facilities. The technical staff strives to technically support students in exploring their required academic and research stuff and assignments and analysis.

**Departmental Library:** The Departmental Library is managed by a qualified librarian and has a large collection of latest books, research journals, periodicals and magazines covering a wide range of disciplines in Management Sciences for teaching and research purposes.

**Audio Visual Aids:** A seminar room equipped with all the modern facilities including slides, overhead projector, Portable multimedia, T.V. and V.C.R.

**Provision of WI-FI Connections:** Department tends to provide free access to WI-FI for all students enrolled in the department.

# Economics

## Program(s)

BS (Economics)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Incepted in 1971, the Department of Economics is one of the initial departments of University of Balochistan which has evolved from the experiences carried out at government degree college Quetta. The need of establishing this department was highly felt at various levels. The contribution of department at various levels has always validated the need and rational of this very important discipline in the province.

As a discipline of social sciences, Economics tends to seek and explore the relationship between needs and scarce means which have alternative uses. Economics is the study of general principals of administration of resources, of an individual, a household, a business, or a State; this also includes the examination of the way in which waste arises in all such administration. Economic phenomenon or activity means every systematic Endeavour to satisfy a material need, or more precisely one which seeks with the available means to achieve the best possible results, or a given result with the least possible means.

In the course of consistent 55 years, the department has built viable academic and research systems, highly skilled and intellectual recognized faculty, trained and educate thousands of the young economists at provincial and national levels.

## Objectives

- To foster a viable research, teaching and practice environment in the department that can potentially promote learning through



quality teaching and research, while encouraging mutual respect, tolerance and sensitivity at society.

- To prepare economic practitioners and researchers that can contribute in shifting the paradigm of economics at national and provincial levels while working with public and private sector organizations and institutions.

#### Job/Career Opportunities

- Provincial & federal public-sector departments; Planning & Development, Irrigation, Agriculture, Industries, Finance, Trade & Commerce
- Financial Institutions & organizations such as; Planning Commission, State Bank, Commercial Banks, Zari Taraqiati Bank, Micro Finance Banks, Development Financial institutions PICIC, TDAP, BOI, Research Institutes
- Private Sector Organizations
- Bilateral and Multilateral International Development Donor Organizations e.g. World Bank, UNDP, JICA, CIDA, etc.
- NGOs (local, national and international)

#### Faculty

S.#	Name	Designation	Qualification
1	Mrs. Riffat Arshad	Assistant Professor / Chairperson	MS
2	Dr. Jahangir Khan	Professor	Ph.D
3	Ms. Nadia Khan	Assistant Professor	M.Phil
4	Mr. Asmat Khan	Assistant Professor	M.Phil
5	Mr. Arbab Jahandad	Lecturer	M.Phil
6	Mr. Muhammad Ayaz	Lecturer	M.Phil
7	Mr. Gohar Khan	Lecturer	M.Phil
8	Mr. Abdul Rehman	Lecturer	M.Phil
9	Ms. Tania Luni	Lecturer	M.Sc.

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 18 Credit Hrs.	English I	Principles of Microeconomics	Islamic Studies	Mathematics I	Introduction to Computer	History
	<b>Course Code</b>	ENG601	ECON611	ISL611	MATH612	CS613	HIS604
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	English II	Pakistan Studies	Principles of Macroeconomics	Ethics and Values*	Optional (Diversification Course from other Disciplines)	Optional (Diversification Course from other Disciplines)
	<b>Course Code</b>	ENG602	PS614	ECON612	EV615		
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)	

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	English III	Intermediate Microeconomics	Development Economics	Statistics I	Optional (Diversification Course from other Disciplines)	Optional (Diversification Course from other Disciplines)
	<b>Course Code</b>	ENG603	ECON621	ECON622	ECON623		
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b>	Communicati	Intermediate	Statistics II	World	Optional	Optional

<b>Total 18 Credit Hrs.</b>	on Skills**	Macroeconomics		Economic History	(Diversification Course from other Disciplines)	(Diversification Course from other Disciplines)
<b>Course Code</b>	ENG604	ECON624	ECON625	ECON626		
<b>Credit Hrs.</b>	3(3-0)	6(6-0)	3(3-0)	3(3-0)	3(3-0)	

<b>Year 3</b>	<b>Sem-3</b> Total 18 Credit Hrs.	Microeconomics Theory	Macroeconomics Theory	Mathematical Economics I	Issues in Pakistan Economy	Optional (Diversification Course from other Disciplines)
	<b>Course Code</b>	ECON631	ECON632	ECON633	ECON634	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	Economic Growth	Econometrics I	Mathematical Economics II	Research Methods	Public Sector Economics
	<b>Course Code</b>	ECON635	ECON636	ECON637	ECON642	ECON643
<b>Credit Hrs.</b>	3(3-0)	6(6-0)	3(3-0)	3(3-0)	3(3-0)	

<b>Year 4</b>	<b>Sem-3</b> Total 18 Credit Hrs.	International Trade Theory	Econometrics II	Research Project	Elective I	Elective II
	<b>Course Code</b>	ECON641	ECON644	ECON650		
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	Entrepreneurial Economics	Islamic Economics	Monetary Economics	Elective III	Elective IV
	<b>Course Code</b>	International Trade Theory	Econometrics II	Research Project	Elective I	Elective II
<b>Credit Hrs.</b>	ECON641	ECON644	ECON650			

## Facilities

**Reference Library:** The department has developed a full fledged library that timely facilitates all the students enrolled in different programs. The library is named after Prof. Shukarullah who is one amongst the architects of this department. Qualified librarian support students with above 3000 books available on economic and other interdisciplinary subjects. A large number of international research journals are also available on the digital library. Journals of reputed national institutions.

**Internet and ICT:** Department provides learning and practice of Information and Communication Technology especially its applications in the field of economics. Free access to WI-FI networks is also facilitated by the department.



# Computer Science & Information Technology

## Program(s)

- BS(CS)
- BS(IT)

## Eligibility

At least 50% marks in Intermediate with Mathematics or its equivalent with Mathematics certified by IBCC

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The advent of scientific advancement has rendered an overarching change in the lives of people all over the world. The process of continuous inventions in the field of computation has brought a revolution in communication, trade, business, war, education, health, and access to the knowledge of other planets and heavenly bodies in our solar system. After the devastating World War II, the discipline of computer science emerged out from the outgrowth of Physics. Incepted in 1948, this discipline has taken several giant leaps; the birth of personal computers in the 1970's has geared up the use of Information and communication technologies all over the world.

The emergence of Computer science as a discipline has taken a central position in the educational and development paradigms of the developing countries generally and Pakistan especially. The emerging socio-economic opportunities demand a responsive system and skilled human resources. In the recent years, China-Pakistan Economic Corridor (CPEC) demands slots of highly qualified and skilled human resource to excel the growth and prosperity of the country. The youth of Balochistan, particularly needs to be trained to contribute in the process of development and socio-economic empowerment. University of Balochistan launched the department of computer science in 2000. Starting with, Master in Computer Science (MCS) in 2001, the department also initiated its programs of BS(CS) and BS(IT) in 2002. Over a course of a decade, the department harnessed its faculty and study programs and started MS and PhD programs in 2012.





**Objectives:**

- To design and develop effective study programs for creating cadres of highly potential and qualified professionals in the field of Computer Science (CS) and Information Technologies (IT) so that emerging demands of HR at national and provincial level in public and private sectors could be fulfilled.
- To develop academic and research environment at the department that will generate innovative learning, practicing ventures, new knowledge and innovative solutions in the field of computer science and ICT that will inculcate academic & research culture aimed at professional grooming and creative thinking.

**Job/Career Opportunities**

Graduates from this department are working in a wide range of government and private organizations of the country. Carriers and job opportunities are enormous of which a few are mentioned below:

- I.T based services, Commercial and financial public and private organizations.
- Computer Hardware/Software suppliers/users in public/private sector.
- Telecom Sector.
- Multi-National Companies.

**Faculty**

S.#	Name	Designation	Qualification
1	Dr. Ihsan Ullah	Assistant Professor/ Chairperson	Ph.D (France)
2	Dr. Atiq Ahmed	Associate Professor	Ph.D (France)
3	Syed Amjad Hussain Jafri	Assistant Professor	M.Sc
4	Mr. Syed Mohammad Zubair	Assistant Professor	MS (Sweden)
5	Dr. Waheed Noor	Assistant Professor	Ph.D (Thailand)
6	Dr. Maheen Bakhtyar	Assistant Professor	Ph.D (Thailand)
7	Dr. Junaid Babar	Assistant Professor	Ph.D (Thailand)
8	Dr. Abdul Basit	Assistant Professor	Ph.D (Thailand)
9	Mr. Muhammad Khalid Badini	Assistant Professor	MS
10	Mr. Anwar Ali Sanjarani	Lecturer	MS
11	Mr. Jalaluddin Qureshi	Lecturer	MS
12	Dr. Muhammad Shumail Naveed	Lecturer	Ph.D (Pak)
13	Dr. Liaquat Ali	Lecturer	Ph.D (Germany)
14	Dr. Tayyaba Noreen	Lecturer	Ph.D (S. Korea)
15	Mr. Imran Ali	Lecturer	MS (Thailand)
16	Ms. Shafaque Saira Malik	Lecturer	MCS
17	Mr. Imamdad	Lecturer	MS(CS)
18	Mr. Azam Khan	Lecturer	MS(CS)
19	Ms. Fatima Tariq	Lecturer	BS(IT)
20	Mr. Muhammad Saeed Hussain	Lecturer	BS(CS)
21	Mr. Asfand Yar Khan	Lecturer	BS(CS)

SEMESTER BREAKUP BS(CS)							
Year 1	<b>Sem-1</b> Total 16 Credit Hrs.	Introduction to ICT	Programming Fundamentals	English Composition & Comprehension	Calculus & Analytical Geometry	Applied Physics	
	<b>Course Code</b>	GED 601	CMC 601	GED 602	MTS 601	MTS 602	
	<b>Credit Hrs.</b>	2-1	3-1	3-0	3-0	3-0	
	<b>Sem-2</b> Total 16 Credit Hrs.	Digital Logic Design	Communication & Presentation Skills	Probability & Statistics	University Elective – 1	Discrete Structures	
	<b>Course Code</b>	CSC 601	CMC 603	MST 603	UEL 6xx	CMC 602	
<b>Credit Hrs.</b>	3-1	3-0	3-0	3-0	3-0		
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Computer Organization & Assembly Language	Object Oriented Programming	Data Structures & Algorithms	Professional Practices	CS Supporting – 1	
	<b>Course Code</b>	CSC 602	CMC 603	CMC 604	GED 604	CSS 6xx	
	<b>Credit Hrs.</b>	3-1	3-0	3-0	3-0	3-0	
	<b>Sem-4</b> Total 16 Credit Hrs.	Design & Analysis of Algorithms	Theory of Automata	Database Systems	Linear Algebra	University Elective – 2	
	<b>Course Code</b>	CSC 603	CSC 604	CMC 605	MTS 604	UEL 6xx	
<b>Credit Hrs.</b>	3-1	3-1	3-1	3-0	3-0		
Year 3	<b>Sem-5</b> Total 17 Credit Hrs.	Compiler Construction	CS Supporting – 2	Operating Systems	Software Engineering	CS Supporting – 3	
	<b>Course Code</b>	CSC 605	CSS 6xx	CMC 606	CMC 607	CSS 6xx	
	<b>Credit Hrs.</b>	3-0	3-0	3-1	3-0	3-0	
	<b>Sem-6</b> Total 17 Credit Hrs.	Artificial Intelligence	Computer Networks	CS Elective – 1	CS Elective – 2	Technical & Business Writing	
	<b>Course Code</b>	CSC 606	CMC 608	CSE 6xx	CSE 6xx	GED 605	
<b>Credit Hrs.</b>	3-1	3-1	3-0	3-0	3-0		
Year 4	<b>Sem-7</b> Total 17 Credit Hrs.	CS Elective – 3	CS Elective – 4	Final Year Project – I	University Elective – 3	Parallel & Distributed Computing	Pakistan Studies
	<b>Course Code</b>	CSE 6xx	CSE 6xx	CMC 650	UEL 6xx	CSC 607	GED 606
	<b>Credit Hrs.</b>	3-0	3-0	0-3	3-0	3-0	2-0
	<b>Sem-8</b> Total 15 Credit Hrs.	CS Elective – 5	University Elective – 4	Final Year Project – II	Information Security	Islamic Studies/ Ethics	-
	<b>Course Code</b>	CSE 6xx	UEL 6xx	CMC 650	CMC 609	GED 607	-
<b>Credit Hrs.</b>	3-0	3-0	0-3	3-0	2-0	-	

**Total Credit Hours: 130**

SEMESTER BREAKUP BS(IT)							
Year 1	<b>Sem-1</b> Total 16 Credit Hrs.	Introduction to ICT	Programming Fundamentals	English Composition & Comprehension	Calculus & Analytical Geometry	Applied Physics	
	<b>Course Code</b>	GED 601	CMC 601	GED 602	MTS 601	MTS 602	
	<b>Credit Hrs.</b>	2-1	3-1	3-0	3-0	3-0	
	<b>Sem-2</b> Total 16 Credit Hrs.	Digital Logic Design	Communication & Presentation Skills	Probability & Statistics	University Elective – 1	Discrete Structures	
	<b>Course Code</b>	CSC 601	GED 603	MTS 603	UEL 6xx	CMC 602	
<b>Credit Hrs.</b>	3-1	3-0	3-0	3-0	3-0		
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Computer Organization & Assembly Language	Object Oriented Programming	Data Structures & Algorithms	Professional Practices	CS Supporting – 1	
	<b>Course Code</b>	CSC 602	CMC 603	CMC 604	GED 604	CSS 6xx	
	<b>Credit Hrs.</b>	3-1	3-1	3-1	3-0	3-0	
	<b>Sem-4</b> Total 16 Credit Hrs.	Design & Analysis of Algorithms	Theory of Automata	Database Systems	Linear Algebra	University Elective – 2	
	<b>Course Code</b>	CSC 603	CSC 604	CMC 605	MTS 604	UEL 6xx	
<b>Credit Hrs.</b>	3-0	3-0	3-1	3-0	3-0		
Year 3	<b>Sem-5</b> Total 17 Credit Hrs.	Compiler Construction	CS Supporting – 2	Operating Systems	Software Engineering	CS Supporting – 3	
	<b>Course Code</b>	CSC 605	CSS 6xx	CMC 606	CMC 607	CSS 6xx	
	<b>Credit Hrs.</b>	3-0	3-0	3-1	3-0	3-0	
	<b>Sem-6</b> Total 17 Credit Hrs.	Artificial Intelligence	Computer Networks	CS Elective – 1	CS Elective – 2	Technical & Business Writing	
	<b>Course Code</b>	CSC 606	CMC 608	CSE 6xx	CSE 6xx	GED 605	
<b>Credit Hrs.</b>	3-1	3-1	3-0	3-0	3-0		
Year 4	<b>Sem-7</b> Total 17 Credit Hrs.	CS Elective – 3	CS Elective – 4	Final Year Project – I	University Elective – 3	Parallel & Distributed Computing	Pakistan Studies
	<b>Course Code</b>	CSE 6xx	CSE 6xx	CMC 650	UEL 6xx	CSC 607	GED 606
	<b>Credit Hrs.</b>	3-0	3-0	0-3	3-0	3-0	2-0
	<b>Sem-8</b> Total 14 Credit Hrs.	CS Elective – 5	University Elective – 4	Final Year Project – II	Information Security	Islamic Studies/ Ethics	-
	<b>Course Code</b>	CSE 6xx	UEL 6xx	CMC 650	CMC 609	GED 607	-
<b>Credit Hrs.</b>	3-0	3-0	0-3	3-0	2-0	-	

**Total Credit Hours: 130**

## Facilities

**Departmental Library:** The departmental library as well as the central library provide books covering a wide range of disciplines in computer science & information technology. A large number of prestigious research journals are accessible through digital library.

**Transport Facility:** The university provides pick and drop facility through busses on all major routes of the city.

**Hostel accomodation:** The University provides cost effective accomodation in its hostels for both male and female students.

**Internet Facility:** The internet facility is available in all Computer Labs & Teachers' offices.

**Internship opportunities:** The department encourages internships towards the end of the study program by establishing links with different organizations as well as provides skill gaining opportunities for students as internees in the university by promoting in-house software development for different sections of the university.



# Library & Information Science

## Program(s)

BS (Library & Information Science)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The Libraries are playing central role for the growth and development of societies. The study of civilizations indicates that nations who shifted the history have evolved their culture on the basis of wisdom derived from the knowledge base produced and conserved in archives and libraries. The Library Science has emerged as one of the ancient disciplines historically. The emergence of academic and research institutions particularly owe library as an innate organ of its structure. Schools, Colleges, Research and Language Academies and Universities particularly have libraries that need trained and professional human resource. With the growth of libraries need for professional careers arose both in libraries and information centers. Accordingly, library and information centers emerged as vital discipline. The Libraries in Balochistan were being managed mostly by untrained librarians. With the passage of time the need for trained library professionals became evident.

In 1981 University of Balochistan launched its Department of Library Science (now Library and Information Science). The Department of Library and Information Science started Diploma in library science in 1981 following by MLS in 1984 under the chairmanship of Iftikharuddin Khawaja. Whereas, in 2006 MLIS introduced by revoking DLS and MLS. The department also started M.Phil program in 2016 and 4 years BS program started in Autumn 2018.



## Objectives

- To foster an environment of learning, practice and analysis for creating qualified and focused professionals in the field of Library and Information Sciences, so that demands of the public and private sectors could be met accordingly.
- To foster the portfolios of research and teaching of Library and Information Sciences that can upgrade the quality of systems and tools for effectively managing and enhancing the libraries and information centers.
- To create an understanding among the students about information dynamics and its relativity with the body of knowledge.
- To inculcate skills among students for evaluation, interpretation and use of information and documents in various forms.
- To develop the skills of students for the organization of information sources and documents.
- To make the students aware of the service philosophy of library and information organization and to develop relevant skills to design and delivery of appropriate information services.
- To develop an understanding among students about the properties of literature in specialized domains and how these are reflected in management of different types of library and information agencies.
- To develop skills of students about the use of scientific methods of research and to promote problem oriented research related to subject of library and information science.
- To develop understanding among the students about the application of information technology for efficient organization, storage and retrieval of information.
- To develop competencies among students for the management of libraries and information centers.

## Job/Career Opportunities

- Educational institutions in the public / private sector.
- Government / Semi Government and non-Governmental organizations.
- Libraries and information resource centers



## Faculty

S.#	Name	Designation	Qualification
1	Dr. Munazza Jabeen	Associate Professor/Chairperson	Ph.D
2	Mr. Muhammad Anwar	Assistant Professor	M.Phil
3	Mr. Abdul Baqi	Assistant Professor	M.Phil
4	Mr. Muhammad Tahir	Lecturer	MLIS
5	Mr. Muhammad Qasim	Lecturer	MLIS
6	Ms. Shahzadi	Lecturer	M.Phil

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	ENGLISH-I	PAKISTAN STUDIES	INTRODUCTIO N TO COMPUTER	GENERAL-I	Evolution of Libraries & Information Sources	Information, Library & Society (FOUNDATION -I)
	<b>Course Code</b>	ENG-101	PKS-102	COM-103	GEN-104	LIS-602	LIS-601
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	ENGLISH-II	ISLAMIC STUDIES / ETHICS	MATHEMATIC S	GENERAL-III	<i>Management of Library &amp; Information Services (FOUNDATION -VII )</i>	Collection development and management (FOUNDATION -II )
	<b>Course Code</b>	ENG-107	ISL-108	MAT-109	GEN-110	LIS-607	LIS-610
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 2	<b>Sem-3</b> Total 15 Credit Hrs.	ENGLISH-III	BASIC STATISTICS	GENERAL-V	Information Literacy (MAJOR- XI)	User Services in Libraries (FOUNDATION-III )
	<b>Course Code</b>	ENG-201	STA-202	GEN-203	LIS-621	LIS-603
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 15 Credit Hrs.	ENGLISH-IV (Seminar Based Oral Communication Skills)	GENERAL-VII	Use of Emerging Technologies in Library (FOUNDATION-IV)	Organization of Information (Int. to Classification) (FOUNDATION-V )	GENERAL-II (ECO334)
	<b>Course Code</b>	ENG-206	GEN-207	LIS-604	LIS-605	GEN-105
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	4(3-1)	3(3-0)	

Year 3	<b>Sem-5</b> Total 16 Credit Hrs.	<u>GENERAL-IV</u>	Introduction to Publishing and Book Trade (FOUNDATION- VIII )	Applied Classification (MAJOR-I )	Organization of Information (Introduction to Cataloguing) (MAJOR-II)	Marketing of Library and Information Services (MAJOR-III)
	<b>Course Code</b>	GEN-111	LIS-608	LIS-611	LIS-609	LIS-619
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 17 Credit Hrs.	Quantitative Research Methods (FOUNDATION-IX )	Basic Reference Sources (FOUNDATION-X )	Applied Cataloguing (MAJOR-IV)	Library Automation Systems (MAJOR- V)	GENERAL-VI
	<b>Course Code</b>	LIS-614	LIS-606	LIS-609	LIS-618	GEN-204
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	4(3-1)	3(3-0)	

Year 4	<b>Sem-7</b> Total 18 Credit Hrs.	Library & Information Services in Pakistan (MAJOR-VII)	Indexing and Abstracting (MAJOR-VIII)	Resource Sharing and Networking (MAJOR-IX)	ELECTIVE-I	ELECTIVE-II	Qualitative Research Methods (MAJOR-VI)
	<b>Course Code</b>	LIS-616	LIS-617	LIS-613	LIS-624	LIS-628	LIS-615
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-8</b> Total 16 Credit Hrs.	Information Storage and Retrieval (MAJOR-X)	Bibliography: Theory and Practice	ELECTIVE-III/Research Project	ELECTIVE-IV /Research Project	RESEARCH PROJ/INTERNSHIP (Major XII)	-
	<b>Course Code</b>	LIS-620	LIS-622	LIS-633	LIS-639	LIS-623	-
<b>Credit Hrs.</b>	2(2-0)	3(3-0)	3(3-0)	3(3-0)	-	-	

**Total Credit Hours: 131**

Major Courses including research project/ internship				
Applied Classification	Applied Cataloguing	Resource Sharing and Networking	Quantitative Research Methods	Qualitative Research Methods
LIS-611	LIS-612	LIS-613	LIS-614	LIS-615
Library & Information Services in Pakistan	Indexing and Abstracting	Library Automation Systems	Marketing of Library and Information Services	Information Storage and Retrieval
LIS-616	LIS-617	LIS-618	LIS-619	LIS-620
Information Literacy	Bibliography: Theory and practice	Research Project / Internship	-	-
LIS-621	LIS-622	LIS-623	-	-

Elective Courses within the Major				
Digital Libraries	Media Librarianship	Data Base Design & Management	Web Development	Knowledge Management
LIS-624	LIS-624	LIS-624	LIS-624	LIS-624
Human Resource Management	Financial Management	Archives & Records Management	Intellectual Property Rights	Bibliographic Control
LIS-624	LIS-624	LIS-624	LIS-624	LIS-624
Project Management	Preservation & Conservation of Library Material	Serial's Management	Information Sources on Islam and Pakistan	Information Sources on Business & Industry
LIS-624	LIS-624	LIS-624	LIS-624	LIS-624

**N. B.** The students can opt "Thesis" as an elective course in terms of obtaining required (CGPA) i.e. 2.50 OR otherwise, if the students are not willing to opt thesis then they will have to study the courses that are LIS-627& LIS 628.

### Facilities

**Departmental library:** The departmental library contains 1075 books and 350 theses for the learning, teaching and research purposes.

**Computer / Internet:** A Computer lab of 10 Pentium IV and 10 Core i 5 with 10 Wireless LAN Card as well as Internet facility is available as a requirement of practical work to meet the objectives of curricula to promote research activities and academic achievements.

**Multimedia / Over Head Projector:** Multimedia and Over Head Projector are available for academic and research activities.





2020

## Faculty of Life Sciences

- ▶ Institute of Biochemistry
- ▶ Botany
- ▶ Microbiology
- ▶ Zoology

# Institute of Biochemistry

## Program(s)

BS (Biochemistry/ Biotechnology)

## Eligibility

F.Sc (Pre-Medical)/ A-Levels (with Chemistry & Biology)

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The Institute of Biochemistry, was established in 1986 initially as a research Institute entertaining only M.Phil / Ph.D students. Later in 1991 M.Sc. Program in Biochemistry was started. In 2006, BS (4 years) program in Biochemistry and Biotechnology was also started.

Biochemistry seeks to understand & explain living systems at the molecular level. It is a scientific discipline that finds applications across the biomedical & biological sciences & underpins the biotechnology revolution. It is developing at a rapid pace and has become an exciting and challenging subject.

Biochemistry tries to answer questions that are fundamental to life. What are the molecules that constitute living organisms? How are they made and how is their synthesis regulated? How are they organized into cells? How they interact with each other and how is their synthesis regulated? What is the molecular basis of such processes as genetic inheritance, immunological recognition of self and non- self? What goes wrong to cause human diseases such as cancer, heart attacks, Alzheimer and diabetes and how can such errors be corrected? This knowledge finds practical applications in medicine, agriculture, brewing and biotechnology. Biochemists devise new ways of diagnosing and treating human, animal and plant diseases.

## Objectives:

- To prepare graduates in modern biological science such as Biochemistry/ Biotechnology who are able to make a valuable beginning in



many different careers in their practical life.

- To emphasis on research program exploring variety of technically feasible projects having socioeconomic importance, so as to be on the front line in solving our own problems in the area of biological sciences.
- To provide educational programs which encourage students to think creatively, constructively and to communicate their ideas effectively.
- To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- To provide qualified and focused professionals in the subject of Bio-chemistry to meet the future needs of educational institutes and industry.
- To prepare researchers to meet the needs of industry and research organizations, science and technology.

#### **Job/Career Opportunities**

- Pharmaceutical /food industries.
- Public/Private research Institutes/centers relating to medical and agriculture.
- Educational Institutions-College/University level.
- Balochistan at present has become a hub of socio-economic activities. It is expanding its infrastructure and encourages development of industry. Numerous food & Pharmaceutical Industries are recently established in Hub. The PCSIR laboratory in Quetta is currently being expanded creating new job opportunities. In the teaching sector, a number of new Universities and Colleges in Balochistan are offering opportunities for Biochemistry graduates. Nationally also, research in Biomedical Sciences is attracting attention.

#### **Faculty**

<b>S#</b>	<b>Name</b>	<b>Designation</b>	<b>Qualification</b>
1	Prof. Dr. M. Anwer Panezai	Professor/ Dean, Faculty of Life Sciences	Ph.D
2	Prof. Dr. Zahid Mehmood	Professor/Director	Ph.D
3	Prof. Dr. Ashif Sajjad	Professor	Ph.D
4	Dr. Muhammad Ayub Kakar	Associate Professor	Ph.D
5	Dr. Khalid Mehmood	Assistant Professor	Ph.D
6	Dr. Imran Ali	Assistant Professor	Ph.D
7	Dr. Samira Khaliq	Assistant Professor	Ph.D
8	Dr. Noor Hassan	Assistant Professor	Ph.D
9	Dr. Aamir Rasool	Assistant Professor	Ph.D
10	Dr. Zia-ur-Rehman	Assistant Professor	Ph.D
11	Ms. Nazima Yousaf Khan	Assistant Professor	M.Phil
12	Mr. M. Sharif Jamali	Lecturer	M.Sc
13	Mr. Mohammad Hashim Jan	Lecturer	M.Phil
14	Mrs. Pari Gul	Lecturer	M.Phil
15	Dr. Sharif Hasni	Lecturer	Ph.D
16	Ms. Shahida Hussain	Lecturer	MS
17	Ms. Kulsoom Khan	Lecturer	M.Phil
18	Ms. Marina Khan Panezai	Lecturer	M.Phil

19	Mr. Sajid Nabi	Lecturer	M.Phil
20	Mr. Sohail Ahmed	Lecturer	M.Phil
21	Mr. Muhammad Javid Khan	Lecturer	M.Phil
22	Mr. Naseeb Ullah	Lecturer	M.Phil

SEMESTER BREAKUP						
Year 1	<b>Sem-1</b> Total 18 Credit Hrs.	English	Islamiat	Organic chemistry	Haematology	Food and Nutrition
	<b>Course Code</b>	Eng-401	Isl-401	Bio-403	Bio-404	Bio-405
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-2</b> Total 17 Credit Hrs.	English II	Maths	Pak Studies	Bio-Organic	Micro-Biology
	<b>Course Code</b>	Eng-402	Mat-401	Pks-401	Bio-406	Bio-407
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	4(3-1)	4(3-1)

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Basic Biochemistry	Enzymology	Bio-Analytical	Environmental Biology	Biomolecules
	<b>Course Code</b>	Bio-408	Bio-409	Bio-410	Bio-11	Bio-412
	<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	3(3-0)	4(3-1)
	<b>Sem-4</b> Total 15 Credit Hrs.	Advance Biochemistry	Basic Molecular Biology	Techniques in Bio-Analytical	Basic Biotechnology	-
	<b>Course Code</b>	Bio-413	Bio-414	Bio-415	Bio-416	-
	<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	4(3-1)	-

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Biosafety & Ethics	Advance Molecular Biology	Endocrinology	Immunology	Current Trends in Biotech
	<b>Course Code</b>	Bio-417	Bio-418	Bio-419	Bio-20	Bio-421
	<b>Credit Hrs.</b>	3(3-0)	4(3-1)	3(3-0)	3(3-0)	4(3-1)
	<b>Sem-6</b> Total 16 Credit Hrs.	Biostatistics	Cell-bio	Bioinformatics	Genomics	-
	<b>Course Code</b>	Bio-422	Bio-423	Bio-423	Bio-424	-
	<b>Credit Hrs.</b>	4(3-1)	4(3-1)	4(3-1)	4(3-1)	-

Year 4	<b>Sem-7</b> Total 13 Credit Hrs.	Proteomics	Cell-signalling	Research Methodology	rDNA Technology
	<b>Course Code</b>	Bio-425	Bio-426	Bio-427	Bio-428
	<b>Credit Hrs.</b>	4(3-1)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	Advance Biotech OR Advance Biochem	Bio-engineering OR Clinical Biochemistry	Seminar/ Quiz (Both)	Research (Both)
	<b>Course Code</b>	Bio-429	Bio-430	Bio-431	-
	<b>Credit Hrs.</b>	4(3-1)	4(3-1)	3(3-0)	4(4-0)

**Facilities:**

Well-equipped, purpose built laboratories. Major equipment in the Institute include, High Performance liquid Chromatography(HPLC); Gas Liquid Chromatography (GLC); Scintillation Counter; Electrophoresis Units; Centrifuges; Spectrophotometers; Furnaces; Autoclaves; Laminar Flow hoods etc etc.

**Internet Facility.** Laboratories are equipped with internet facility.

**Computer Laboratory.** A full-fledge computer laboratory equipped with 25 computer of high configuration complemented by internet facility.

**Teaching Labs.** Three well equipped and modern labs along with supporting staff are available for conducting practical for BS and M.Sc programs.

**Research Labs.** Four newly constructed labs with all modern facilities and a central lab, with many modern and updated research facilities are available for M.Phil and Ph.D scholars.

**Departmental Library.** A newly constructed departmental library with approximately 3000 books and scientific journals available for the students.



# Botany

**Program(s)**  
BS (Botany)

**Eligibility**  
F.Sc (Pre-Medical) or its Equivalent

**Duration**  
4 Years (8 Semesters)  
Full time

**Entry**  
Semester-1

**Contact hours**  
(first year, full time)  
Approximately 16-22 hours per week

**Find out more**  
[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Botany is one of the main branches of Biology (zoology being the other); it is the systematic and scientific study of plants. Botany covers a lot of scientific discipline, such as chemistry, pathology, microbiology etc. Plants are a vital component of the Biosphere and are directly responsible for the conditions required for life on earth. Plants life can be studied from different perspectives i.e., from the genetic, molecular and biochemical level through different cell organelles, tissues, organs, individuals, populations, and plant communities. Plants are also the mainstay of human and animal diets and provide medicines, gum, timber, paper, clothing, shelter, and energy.

The department of botany was established in year 1979. Initially it was working as a Department of life sciences, but later on started functioning separately as Department of Botany since March, 1980. The Department is responsible to impart training in the field of plant sciences at undergraduate and post graduate level. The academic program comprises of courses leading to M.Sc. degree as well as research for M.Phil and Ph.D. degrees and independent research projects are also undertaken by the faculty members.

## Objectives

- To prepare graduates and highly qualified focused professionals in the subject of Botany to meet the future needs of educational institutions/ research organizations/ forestry/ horticulture.
- To prepare researchers to meet the need of industry, science and technology.



- To provide educational programs which encourage students to think creatively, constructively and to communicate their ideas and skills effectively
- To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.

#### Vocational Job Opportunities/Marketability of Graduates

- Education Institutes, Colleges and Universities.
- Pharmaceutical Industry.
- Forests, Wild life, Agriculture and Horticulture, Floriculture.
- Research Organizations, Pakistan Agriculture Research Council (PARC), Arid Zone Research Institute (AZRI), Pakistan Council for Science & Industrial Research (PCSIR), Pakistan Meteorological Department (PMD).
- Public / Private Research Organizations.

#### Faculty

S. #	Name	Designation	Qualification
1	Prof. Dr. Saeed-ur-Rehman	Professor/ Chairperson	Ph.D
2	Prof. Dr. A. M. Sarangzai	Professor	Ph.D & Postdoc
3	Prof. Dr. Zahoor Ahmed Bazai	Professor & Director, QAAD	Ph.D
4	Dr. Sadullah Laghari	Associate Professor	Ph.D
5	Dr. Mohammad Younis Khan	Associate Professor	Ph.D & Postdoc
6	Dr. Ghazala Shaheen	Assistant Professor	Ph.D
7	Dr. Shamim Gul	Assistant Professor	Ph.D
8	Dr. Shazia Saeed	Assistant Professor	M.Phil
9	Ms. Basira Akhtar	Assistant Professor	M.Phil
10	Ms. Bakht Zareen	Assistant Professor	M.Phil
11	Ms. Palwasha Achakzai	Assistant Professor	M.Phil
12	Dr. Kanval Shaukat	Lecturer	Ph.D
13	Ms. Ayesha Masood	Lecturer	M.Phil
14	Ms. Shaista Anjum	Lecturer	M.Phil
15	Mr. Tariq Ismail	Research Officer	M.Phil
16	Mr. Ghous Bakhsh	Research Officer	M.Sc.

SEMESTER BREAKUP						
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Functional English	Pakistan Studies	Diversity of Plants	Physical Chemistry	Principles of Animal life
	<b>Course Code</b>	ENG-601	PKAS-601	BOT-601	CHEM-601	ZOOL-601
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-2</b> Total 17 Credit Hrs.	Communication Skills	Islamic studies	Plant Systematics, Anatomy and Development/ Embryology	Organic Chemistry	Diversity in Animals (Invertebrates)
	<b>Course Code</b>	ENG-602	ISL-601	BOT-602	CHEM-602	ZOOL-602
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	4(3-1)	4(3-1)	4(3-1)

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Technical Report Writing & Presentation Skill	Introduction to Computer	Inorganic Chemistry	Principles of Animal Physiology	Cell Biology, Genetics and Evolution
	<b>Course Code</b>	ENG-603	COMP-601	CHEM-603	ZOOL-603	BOT-603
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-4</b> Total 18 Credit Hrs.	Mathematics for Botany	Diversity of Animal (Vertebrates)	Plant Physiology and Ecology	Biodiversity and Conservation	Biostatistics
	<b>Course Code</b>	MATH-601	ZOOL-604	BOT-604	BOT-605	BOT-606
<b>Credit Hrs.</b>	3(2-1)	4(3-1)	4(3-1)	4(3-1)	3(2-1)	

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Bacteriology and Virology	Phycology and Bryology	Mycology and Plant Pathology	Diversity of Vascular Plants	Plant Systematics	Environmental Biology
	<b>Course Code</b>	BOT-607	BOT-608	BOT-609	BOT-610	BOT-611	BOT-622
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)
	<b>Sem-6</b> Total 15 Credit Hrs.	Plant Anatomy	Genetics-I	Plant Biochemistry-I	Plant Ecology-I	Plant Physiology-I	-
	<b>Course Code</b>	BOT-612	BOT-613	BOT-614	BOT-615	BOT-616	-
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)	

Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	Molecular Biology	Plant Biochemistry-II	Elective-I	Elective-II	Elective-III
	<b>Course Code</b>	BOT-617	BOT-618	-	-	-
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(3-0)
	<b>Sem-8</b> Total 12 Credit Hrs.	Plant Physiology-II	Elective-1V	Research project	-	-
	<b>Course Code</b>	BOT-619	-	-	-	-
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	6(0-6)	-	-	

**Total Credit Hours: 130**

#### Optional Courses in Semester 7

Plant Ecology-II	Plant Tissue Culture (Advance course)	Palynology	Air pollution, its Impacts and control	Laboratory Techniques	Biohazards, Biosafety and Bioethics
BOT-622	BOT-623	BOT-624	BOT-624	BOT-625	BOT-626
3(2-1)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	3(3-0)

#### Elective Courses in Semester 8

Plant Nutrition and Soil Fertility	Biodegradation and Bioremediation	Microbes, Man and Environment	Water Pollution, its management and control	Challenges of a changing earth	Genetics-II
BOT-628	BOT-629	BOT-630	BOT-631	BOT-632	BOT-621
3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(3-0)	3(3-0)

#### Facilities

**Research Laboratories.** Nine research Laboratories in the field of Plant Physiology, Phycology, Environmental Biology/Taxonomy, Genetics, Economic Botany/Anatomy, Ecology, Phytosociology and Dendrochronology have been developed with sophisticated equipments.





**Plant Tissue Culture Technology Laboratory.** It deals with the mass production of plants, under aseptic environment employing artificial growing conditions in glass (In-vitro). This important technology is based on the principle that production of genetically modified plant is only possible if the target species have a successful and efficient regeneration system. The success of modern Plant Biotechnology is attributed to this very important technique, which plays an important role in in-vitro propagation of disease free plants and multiplying with unmatched speed of endangered species as well as species of difficult to regenerate.

**Sophisticated Equipments.** Atomic Absorption Spectrometer, Environmental Chamber, High Performance Liquid Chromatography (HPLC), Electrophoresis, Thermal Cycler, U.V-Vis. Spectrophotometer, Biophotometer, Germinators, Weather Monitoring Station, Flame Photometer.



**Computer Laboratory.** Department has well established computer laboratory equipped with 24 Pentium IV computers, connected with 2 printers and photocopier, which can be used by research scholars and faculty.

**Departmental Library.** The Departmental Library is managed by a qualified librarian and has over 1300 Books covering a wide range of disciplines in Botany for teaching and research purposes. The Departmental Library also possesses research journals of plant sciences like, Pakistan Journal of Botany, Biologia, Journal of Forestry and Nature (back volumes). American Journal of botany (back volumes), Research Journal University of Balochistan, Journal of Cell Science and Journal of experimental Biology.

**Internet Facility.** The internet facility is available. A large number of international research Journals are also available on Digital Library provided by Higher Education Commission (HEC) and research article of interest can also be down loaded.

**Field trip/Excursion:** The major objectives are to familiarize the students with the flora and ecology of the different regions of Balochistan and Pakistan. During the Educational trip visits of Different universities and the research in institutes focused students towards development in field of Plant Sciences.

**Research Journal.** The Department of Botany is associated with the Internsational Society of Pure and Applied Biology (ISPAB) to publish a research journal entitled as “Pure and Applied Biology (PAB)”. PAB is an online, peer-reviewed; open-access scientific journal and is devoted to publish selected papers of latest advancement dealing with original research in the field of Biology. It is published quarterly per year. The aim of the PAB journal is to offer a platform for research students / scientists



# Microbiology

## Program(s)

BS (Microbiology)

## Eligibility

F.Sc (Pre-Medical)

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Microbiology is the study of microorganisms; include Bacteria, Fungi, Viruses, and Protozoa etc. (both useful and harmful for human beings Plants and fish etc) through applying different scientific technique/s, microorganisms and microbial enzymes can be used in industrial processes to carry out reactions that are not economically feasible by chemical means. Microbiology offers the possibility of major improvements in the way medicines are developed and manufactured.

It is employed principally in health care (animal and Human beings), fine chemicals, brewing & distilling, food and food related industries, where they are involved in research and development, in process design & control, in management and in quality control. Therefore, various disciplines of Microbiology are prime choice of men and women, mainly because of its laboratory-based activities.

The Department of Microbiology was established in May 2006. The department is committed to the production of marketable and qualified product capable of finding solution/ remedies against prevalent and new emerging diseases, production of different vaccines and preservation of different foods etc. through research and development.

Currently the department offers B.S Microbiology, M.Sc Microbiology, M.Phil/M.S Microbiology and Ph.D Microbiology degree programs. Committed and qualified faculty of the department facilitates



research scholars and also carries out innovative projects in diversified areas of Microbiology

### Objectives

- To foster an environment that promotes learning through quality teaching and research while encouraging students to excel their professional skills, concepts and practices so that to comply with the emerging market needs in the public and private sectors.
- To provide qualified and focused professionals in the subject of Microbiology to meet the future needs of educational institutes and/or industries.
- To prepare researchers to meet the needs of society, industry and research organizations, science and technology.
- To develop the department as a nursery for the advanced level degree programs at other institutions particularly in the province of Balochistan.
- To enhance higher education in the field of applied biology and microbiological sciences.

### Vocational Job Opportunities/ Marketability of Graduates

- Food packaging and processing industry
- Quality control operations of safe drinking water
- Public Health Institutions
- Pharmaceutical Industry
- Diagnostic Laboratory Technicians / Experts
- Biological production industry
- Biotechnological interventions in environmental sciences like Bioremediation.
- Food safety authorities
- Environmental protection agency
- Agriculture research organizations

### Faculty

S.#	Name	Designation	Qualification
1	Prof. Dr. Abdul Malik Tareen	Professor/ Chairperson	Ph.D
2	Dr. Kaleemullah Mandokhail	Associate Professor	Ph.D
3	Dr. Fazal ur Rehman	Assistant Professor	Ph.D
4	Dr. Ali Akbar	Assistant Professor	Ph.D
5	Mr. Imran Nawaz Bugti	Assistant Professor	Ph.D
6	Mr. Abdul Wadood	Assistant Professor	M.Phil
7	Mr. Mumtaz	Assistant Professor	M.Phil
8	Dr. Kifayatullah	Lecturer	M.Sc
9	Mr. M. Khanzeb (on Leave)	Lecturer	M.Sc
10	Mr. Mohammad Yasir (Leave)	Lecturer	M.Phil
11	Ms. Hasina Wali (on Leave)	Lecturer	M.Sc
12	Ms. Rozina Rashid	Lecturer	M.Sc

### SEMESTER BREAKUP

Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	English-I	Pakistan Studies	Mathematics-I	Microbiology-I	Human Physiology-I	Biochemistry-I
	<b>Course Code</b>	ENG-601	PKS-601	MAT-601	MIC-601	MIC-602	MIC-603
	<b>Credit Hrs.</b>	2(3-0)	2(2-0)	3(3-0)	4(3-1)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	English-II	Islamic Studies	Mathematics-II	Microbiology-II	Human Physiology-II	Biochemistry-II
	<b>Course Code</b>	ENNG-602	ISL-601	MAT-602	MIC-604	MIC-605	MIC-606
	<b>Credit Hrs.</b>	2(2-0)	2(2-0)	3(3-0)	4(3-1)	3(3-0)	3(3-0)

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	English-III	Sociology	Computer Applications	Microbiology-III	General Immunology	Cell Biology-I
	<b>Course Code</b>	ENG-603	SOC-601	COM-601	MIC-607	MIC-608	MIC-609
	<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(3-0)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-4</b> Total 17 Credit Hrs.	English-IV (Communication Skills)	Environmental Current Issues	Biostatistics	Microbial Taxonomy	Cell Biology-II	Marine/Fresh Water Microbiology
	<b>Course Code</b>	ENG-604	MIC-610	MIC-611	MIC-612	MIC-613	MIC-614
	<b>Credit Hrs.</b>	2(2-0)	2(2-0)	3(3-0)	4(3-1)	3(3-0)	3(3-0)

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Microbial Anatomy & Physiology	Bacterial Genetics	Clinical Bacteriology	Mycology	Soil Microbiology
	<b>Course Code</b>	MIC-615	MIC-616	MIC-617	MIC-618	MIC-619
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-6</b> Total 18 Credit Hrs.	General Virology	Epidemiology	Environmental Biotechnology	Molecular Mechanisms of Antimicrobial Drugs	Cell & Tissue Culture Technology
	<b>Course Code</b>	MIC-620	MIC-621	MIC-622	MIC-623	MIC-624
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	4(3-1)	4(3-1)

Year 4	<b>Sem-7</b> Total 17 Credit Hrs.	Introductory Microbial Technology	Plant Microbiology	Research Methodology & Instrumentation	Food & Dairy Microbiology	Genetic Engineering
	<b>Course Code</b>	MIC-625	MIC-626	MIC-627	MIC-628	MIC-629
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	3(3-0)	4(3-1)
	<b>Sem-8</b> Total 16 Credit Hrs.	Biotechnology	Medical Virology	Mini Research Project	Optional Subject*	-
	<b>Course Code</b>	MIC-630	MIC-631	-	-	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	4(3-1)	4(3-1)	-

**Total Credit Hours: 155**

## Facilities

**Computer Laboratory:-**The central computer laboratory of the University is located in the department of Physics and could also be used by research scholars/ teachers of other department. An independent computer laboratory has also been established at the Department where the students are also allowed to avail the facility to acquaint with latest available knowledge through internet facility.

**Department Library:-** A department library has been established and about 800 books on different topic of basis microbiology subjects are available for the students. Purchase of relevant books is in progress. Facility of Central Library has also been extended to the students, to increase their desired knowledge. Further, the library of CASVAB has all the relevant text/ reference books and laboratory manual concerning to the subject which are also made available for the students enrolled at the Department of Microbiology.

**Internet Facility:-** 10 Computers along with internet facility are available at the Department and students are allowed to use the internet after university timings.

**Journals and Articles:-**A large number of international research journals and articles are also available on Digital Library provided by here Higher Education Commission and facility has been extended to the students for downloading research articles etc.

**Multimedia and overhead Projector Facility:** - For teaching subjects on modern lines facility of Overhead project is available at the department



# Zoology

## Program(s)

BS (Zoology)

## Eligibility

F.Sc (Pre-Medical) or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Zoology is the study of living organisms. Basically it includes various major and optional subjects such as, genetics, Physiology, cell biology, Environmental biology, biochemistry, developmental Biology (Embryology), Paleontology & Zoogeography, Systematics, & Evolution, Insects of Medical & veterinary importance, (Optional), Economic Zoology, Mammalogy & Wildlife, While the entomology, parasitology, Fisheries and Bionanotechnology are special Subjects / Disciplines.

It plays pivotal role in socio-economic empowerment of poverty and in human resource development. The Department of Zoology is one of the oldest department, started since 1979 under the Chairmanship of Doctor Maqsood Ali Ph.D. (USA). It is offering graduate, postgraduate and doctoral program in various disciplines of zoology.

## Objectives

- To provide qualified and focused professional in the subject of Zoology to meet the future need of educational institutes, industry and society.
- To prepare and promote research culture to meet the need of industry and research organization, science and technology.
- To impart knowledge of major disciplines of Zoology, enabling the students to understand the principle of organization and



interrelationship in the Biological system with particular references to animal diversity.

- To each different method to exploration. Investigation, organization to date and its utilization in practical life.
- To equip students with knowledge and skill for the better planning and management of animal resources, environment, health, medicine, agriculture post control.
- To provide education program which encourage students to think creatively.
- To foster environment that promotes learning through quality teaching research while encouraging mutual respect, tolerance and sensitivity. Job/Career Opportunities
- Teaching and Research in public and private organizations
- Forestry, Agriculture and Biological control program
- Integrated pest management
- Poultry, Fisheries and livestock industry.
- Wildlife management and conservation, Government/NGO
- Environmental conservation and protection agencies

### Faculty

S.#	Name	Designation	Qualification
1	Prof. Dr. Asmatullah kakar	Professor/Chairperson	Ph.D
2	Prof. Dr. Mohammad Iqbal Yasinzai	Professor	Ph.D
3	Dr. Asim Iqbal	Associate Professor	Ph.D
4	Dr. Ghulam Dastagir	Associate Professor	Ph.D
5	Dr. Wali Mohammad	Associate Professor	Ph.D
6	Dr. Shahbuddin	Assistant Professor	Ph.D
7	Dr. Umbreen Shaheen	Assistant Professor	Ph.D
8	Dr. Mahrukh Naseem	Assistant Professor	Ph.D
9	Mr. Zahoor Ahmed	Assistant Professor	M.Phil
10	Mr. Faizullah Khan.	Assistant Professor	M.Phil
11	Mr. Saeed Ahmed	Assistant Professor	M.Phil
12	Ms. Tahseen Ara	Assistant Professor	M.Phil
13	Mr. Kashif Kamran	Lecturer	M.Phil
14	Ms. Nayab Khan	Lecturer	MS
15	Ms. Ruquia Wahid	Lecturer	M.Sc
16	Mr. Chakar Baloch	Lecturer	M.Sc
17	Ms. Humaira Zahid	Lecturer	M.Sc
18	Ms. Ayesha Mehrab	Lecturer	M.Sc
19	Ms. Fehmeeda Yousaf	Lecturer	M.Sc
20	Ms. Wajeha Gul	Lecturer	M.Sc

### SEMESTER BREAKUP

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 18 Credit Hrs.	English-I: Functional English	Pakistan Studies	Mathematics-I	Botany-I/ Etc.	Chemistry-I/ Etc.	Principles of Animal Life-I
	<b>Course Code</b>	ENG-601	PAK-602	MATH-603	BOT-604	CHEM-605	ZOOL-606
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(2-1)	3(2-1)	4(3-1)
	<b>Sem-2</b> Total 18 Credit Hrs.	English-II: Communication Skills	Islamic Studies / Ethics	Biostatistics/Univ option	Botany-II/ Etc.	Chemistry-II/ Etc.	Principles of Animal Life-II
	<b>Course Code</b>	ENG-607	ISL-608	BIOSTAT-609	BOT-610	CHEM-611	ZOOL-612
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(2-1)	3(2-1)	3(2-1)	4(3-1)

Year 2	<b>Sem-3</b> Total 16 Credit Hrs.	English-III: Technical writing and presentation skills	Introduction to Computer	Botany-III/ Etc.	Chemistry-III/ Etc.	Animal Diversity: Invertebrates
	<b>Course Code</b>	ENG-613	COMP-614	BOT-615	CHEM-616	ZOOL-617
	<b>Credit Hrs.</b>	3(3-0)	3(1-2)	3(2-1)	3(2-1)	4(3-1)
	<b>Sem-4</b> Total 18 Credit Hrs.	English-IV / Univ. Option	Botany-IV/ Etc.	Animal Diversity: Chordates	Animal Form & Function-I	Animal Form & Function-II
	<b>Course Code</b>	ENG-618	BOT-619	ZOOL-620	ZOOL-621	ZOOL-622
<b>Credit Hrs.</b>	3(3-0)	3(2-1)	4(3-1)	4(3-1)	4(3-1)	

Year 3	<b>Sem-5</b> Total 17 Credit Hrs.	Psychology/Geography/Etc.	General Biochemistry	Cell & Molecular Biology	Physiology	Animal Behavior
	<b>Course Code</b>	PSY-623	ZOOL-624	ZOOL-625	ZOOL-626	ZOOL-627
	<b>Credit Hrs.</b>	2(2-0)	4(3-1)	4(3-1)	4(3-1)	3(2-1)
	<b>Sem-6</b> Total 16 Credit Hrs.	Biological Techniques	Evolution & Principles of Systematics	Developmental Biology	Genetics	Wildlife
	<b>Course Code</b>	ZOOL-628	ZOOL-629	ZOOL-630	ZOOL-631	ZOOL-632
<b>Credit Hrs.</b>	3(1-2)	3(2-1)	4(3-1)	4(3-1)	2(2-0)	

Year 4	<b>Sem-7</b> Total 16 Credit Hrs.	Environmental Biology	Zoogeography & Paleontology	Special Paper (Univ. Option)	*Synopsis & Research Methodology	Univ. Option
	<b>Course Code</b>	ZOOL-633	ZOOL-634	ZOOL-635	ZOOL-636	ZOOL-637
	<b>Credit Hrs.</b>	4(3-1)	3(2-1)	4(3-1)	2(2-0)	3(2-1)
	<b>Sem-8</b> Total 16 Credit Hrs.	Bioinformatics	*Thesis/Research Project/Internship	Univ. Option	Univ. Option	-
	<b>Course Code</b>	ZOOL-638	ZOOL-639	ZOOL-640	ZOOL-641	-
<b>Credit Hrs.</b>	3(1-2)	6(0-6)	3(2-1)	3(2-1)	-	

**Total Credit Hours: 134**

### Facilities

**Computer Laboratory:** An air-conditioned computer lab, for the students is established, comprising 24 computers along with printer and internet Connectivity.

**Department Library:** Department library under qualified librarian has more than 14580 books covering a wide range of discipline in Zoology for teaching and Research purposes are available

**Zoology Museum:** Full-fledge wide range of collocation including stuff Animal and preserved animals for various respective courses are arranged.

**Laboratories:** All basic biological research facilities are available including Central lab of faculty of life sciences.





2020

## Faculty of Pharmacy & Health Sciences

- ▶ Doctor of Pharmacy (Pharm-D)
- ▶ Doctor Physical Therapy (DPT)
- ▶ Bachelor of Eastern Medicine & Surgery (BEMS)

# Doctor of Pharmacy

## Program(s)

Pharm-D

## Eligibility

F.Sc (Pre-Medical)

## Duration

5 Years (10 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

[www.uob.edu.pk/pharmacy/index.htm](http://www.uob.edu.pk/pharmacy/index.htm)

## Introduction

Pharmacy is the health profession that links health sciences with the chemical sciences, and it is charged with ensuring the safe and quality use of medication. The scope of Pharmacy includes more traditional roles such as compounding and dispensing medications, and it also includes more modern services related to patient care, including clinical services, reviewing medications for safety and efficacy, and providing drug information. The significance of pharmacy profession and the role of pharmacists in uplifting health care system have been well established and acknowledged all over the world. The pharmacy profession is well known as a “*lifesaving profession*”. The major emphasis of the World Health Organization (WHO) in the developing countries is to provide prompt and economical means for caring human health. This noble task cannot be achieved without pharmacists because they are the ones who know about drugs and drug-related substances. The current Faculty of Pharmacy & Health Sciences (then Department of Pharmacy) was established in 1980 and due to the high demand of its graduates; it is one of the most sought after discipline in University of Balochistan. It is very well staffed and equipped. Due to its high standards, it is also recognized by Pharmacy Council of Pakistan.

## Objectives:

- To prepare professional and focused pharmacists for the provision of high level pharmacy services in a range of clinical and patient oriented services,
- To provide an opportunity to students in acquiring specialized knowledge and skills in pharmacy practice,
- To provide qualified and focused professionals in the subject of pharmacy to meet the needs of health care system, clinical pharmacy, industry and the society,
- To prepare researchers to meet the needs of industry and research organizations as community pharmacist, science and technology,
- To impart knowledge of major disciplines of pharmacy, enabling the students to understand the principles of organization and inter relationship in health with reference to pharmacy



- To teach different methods for exploration, investigation, organization, formulation of data and its utilization in practical life, particularly in the field of health sciences,
- To provide education programs which encourage students to think creatively, scientifically and logically.
- To provide education programs, which encourage students to think creatively, medical sale officer and medical sales representative.

#### **Job/Career Opportunities**

- Pharmaceutical/food industries.
- Public/private health care institutes.
- Public/Private research Institutes/centers relating to medical and agriculture.
- Educational Institutions-College/University level.
- Pharmaceutical marketing

#### **Faculty**

##### **1. DEPARTMENT OF PHARMACOLOGY:**

S#	Name	Designation	Qualification
1	Dr. Marvi Baloch	Chairperson/Assistant Professor	Pharm-D, M-Phil, Ph.D
2	Mr. Muhammad Younis	Assistant Professor	B-Pharm, M-Phil
3	Dr. Sajjad Haider	Assistant Professor	Pharm-D, M-Phil
4	Dr. Zainab	Lecturer	Pharm-D
5	Dr. Ahmed Tokhai	Lecturer	Pharm-D
6	Dr. Abdullah	Lecturer	Pharm-D
7	Dr. Faria Khursheed	Lecturer	Pharm-D, M-Phil, Ph.D
8	Dr. Murtaza Ali	Lecturer	Pharm-D

##### **2. DEPARTMENT OF PHARMACOGNOSY:**

S#	Name	Designation	Qualification
1	Dr. Shafi Muhammad	Chairperson/ Associate Professor	B-Pharm, M-Phil, Ph.D

##### **3. DEPARTMENT OF PHARMACEUTICAL CHEMISTRY:**

S#	Name	Designation	Qualification
1	Dr. Gul Muhammad	Chairperson / Lecturer	Pharm-D
2	Dr. Naheed Haque	Associate Professor	B-Pharm, M-Phil, Ph.D
3	Mr. Nisar Ahmed Shahwani	Assistant Professor	B-Pharm, M-Phil
4	Ms. Ayesha Khalid	Lecturer	B-Pharm, M-Phil
5	Dr. Almas	Lecturer	Pharm-D, M-Phil

##### **4. DEPARTMENT OF PHARMACEUTICS:**

S#	Name	Designation	Qualification
1	Dr. Syed Umer Jan	Dean/Associate Professor	B-Pharm, M-Phil, Ph.D
2	Dr. Ghulam Razaque Shahwani	Chairperson/ Assistant Professor	B-Pharm, M-Phil, Ph.D
3	Mrs. Tahmina Rabani	Assistant Professor	B-Pharm, M-Phil
4	Dr. Qaiser Iqbal	Assistant Professor	B-Pharm, Pharm-D, M-Phil, Ph.D
5	Ms. Mahira Tabasum	Lecturer	B-Pharm, M.Phil

**5. DEPARTMENT OF PHARMACY PRACTICE:**

S#	Name	Designation	Qualification
1	Dr. Fahad Saleem	Chairperson / Associate Professor	B-Pharm, M-Phil, MBA, Ph.D
2	Dr. Noman ul Haq	Assistant Professor	B-Pharm, M-Phil, MBA, Ph.D
3	Dr. Nafees Ahmed	Lecturer	B-Pharm, M-Phil, Ph.D
4	Dr. Abdul Hadi	Lecturer	Pharm-D
5	Dr. Muhammad Shoaib	Lecturer	Pharm-D, M-Phil, LLB, LLM
6	Ms. Salma Malik	Lecturer (on study leave)	B-Pharm

**SEMESTER BREAKUP**

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 22 Credit Hrs.	English-A (Functional English)	Pharmaceutics-IA (Physical Pharmacy)	Pharmaceutical Chemistry-IA (Organic)	Pharmaceutical Chemistry-IIA (Biochemistry)	Physiology-A	Anatomy & Histology
	<b>Course Code</b>	ENG-300	PHARM-310	PHARM-311	PHARM-312	PHARM-313	PHARM-314
	<b>Credit Hrs.</b>	2(2-0)	4(3-1)	4(3-1)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-2</b> Total 20 Credit Hrs.	English-B (Communication & Writing skills)	Pharmaceutics-IB (Physical Pharmacy)	Pharmaceutical Chemistry-IB (Organic)	Pharmaceutical Chemistry-IIB (Biochemistry)	Physiology-B	-
	<b>Course Code</b>	ENG-301	PHARM-315	PHARM-316	PHARM-317	PHARM-318	-
<b>Credit Hrs.</b>	4(4-0)	4(3-1)	4(3-1)	4(3-1)	4(3-1)	-	

Year 2	<b>Sem-3</b> Total 22 Credit Hrs.	Islamic Studies	Pharmaceutics -IIA (Dosage Forms Science)	Pharmaceutics -IIIA (Pharmaceutical Microbiology & Immunology)	Pharmacology and Therapeutics-IA	Pharmacognosy -IA (Basic)	Pharmacy Practice-IA (Pharmaceutical Mathematics)
	<b>Course Code</b>	IS-402	PHARM-410	PHARM-411	PHARM-412	PHARM-513	PHARM-414
	<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-4</b> Total 21 Credit Hrs.	Pakistan Studies	Pharmaceutics -IIB (Dosage Forms Science)	Pharmaceutics -IIB (Pharmaceutical Microbiology & Immunology)	Pharmacology and Therapeutics-IB	Pharmacognosy-IB (Basic)	Pharmacy Practice-IB (Biostatistics)
	<b>Course Code</b>	PS-403	PHARM-415	PHARM-416	PHARM-417	PHARM-418	PHARM-419
<b>Credit Hrs.</b>	2(2-0)	4(3-1)	4(3-1)	4(3-1)	4(3-1)	4(3-1)	

Year 3	<b>Sem-5</b> Total 20 Credit Hrs.	Pharmacy Practice-IIA (Dispensing Pharmacy)	Pharmaceutical Chemistry-IIIA (Pharmaceutical Analysis)	Pharmacology and Therapeutics-IIA	Pharmacognosy-IIA (Advanced)	Pathology
	<b>Course Code</b>	PHARM-510	PHARM-511	PHARM-512	PHARM-513	PHARM-514
	<b>Credit Hrs.</b>	4(3-1)	4(3-1)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-6</b> Total 19 Credit Hrs.	Pharmacy Practice-IIB (Community, Social & Administrative)	Pharmaceutical Chemistry-IIIB (Pharmaceutical Analysis)	Pharmacology and Therapeutics-IIB	Pharmacognosy-IIB (Advanced)	Pharmacy Practice-III (Computer and its Applications in Pharmacy)

	Pharmacy)				
<b>Course Code</b>	PHARM-515	PHARM-516	PHARM-517	PHARM-518	PHARM-519
<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	4(3-1)	4(3-1)

<b>Year 4</b>	<b>Sem-7</b> Total 19 Credit Hrs.	Pharmacy Practice-IVA (Hospital Pharmacy)	Pharmacy Practice-VA (Clinical Pharmacy-I)	Pharmaceutics-IVA (Industrial Pharmacy)	Pharmaceutics-VA (Biopharmaceutics & Pharmacokinetics)	Pharmaceutics-VIA (Pharmaceutical Quality Management)
	<b>Course Code</b>	PHARM-610	PHARM-611	PHARM-612	PHARM-613	PHARM-614
	<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	4(3-1)	4(3-1)
	<b>Sem-8</b> Total 19 Credit Hrs.	Pharmacy Practice-IVB (Hospital Pharmacy)	Pharmacy Practice-VB (Clinical Pharmacy-I)	Pharmaceutics-IVB (Industrial Pharmacy)	Pharmaceutics-VB (Biopharmaceutics & Pharmacokinetics)	Pharmaceutics-VIB (Pharmaceutical Quality Management)
<b>Course Code</b>	PHARM-615	PHARM-616	PHARM-617	PHARM-618	PHARM-619	
<b>Credit Hrs.</b>	3(3-0)	4(3-1)	4(3-1)	4(3-1)	4(3-1)	

<b>Year 5</b>	<b>Sem-9</b> Total 19 Credit Hrs.	Pharmaceutics-VIIA (Pharmaceutical Technology)	Pharmacy Practice-VIA (Advanced Clinical Pharmacy-II)	Pharmacy Practice-VIIA (Forensic Pharmacy)	Pharmacy Practice-VIIIA (Pharmaceutical Management & Marketing)	Pharmaceutical Chemistry-IVA (Medicinal Chemistry)
	<b>Course Code</b>	PHARM-710	PHARM-711	PHARM-712	PHARM-713	PHARM-714
	<b>Credit Hrs.</b>	4(3-1)	4(3-1)	3(3-0)	3(3-0)	4(3-1)
	<b>Sem-10</b> Total 19 Credit Hrs.	Pharmaceutics-VIIB (Pharmaceutical Technology)	Pharmacy Practice-VIB (Advanced Clinical Pharmacy-II)	Pharmacy Practice-VIIB (Forensic Pharmacy)	Pharmacy Practice-VIIIB (Pharmaceutical Management & Marketing)	Pharmaceutical Chemistry-IVB (Medicinal Chemistry)
<b>Course Code</b>	PHARM-715	PHARM-716	PHARM-717	PHARM-718	PHARM-719	
<b>Credit Hrs.</b>	4(3-1)	4(3-1)	3(3-0)	3(3-0)	4(3-1)	





# Doctor of Physical Therapy

## Program(s)

DPT

## Eligibility

F.Sc (Pre-Medical)

## Duration

5 Years (10 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Physiotherapy is a healthcare profession aimed at changing and improving the mobility, physical independence and quality of life. It focuses on treating a variety of conditions including but not limited to musculoskeletal, neurological, cardio-respiratory, pediatrics, geriatrics, women health and sports injuries. Physiotherapists work with patients varying in age, athletic ability and activity level, and are responsible for treating a wide spectrum of health conditions – both acute & chronic. Physiotherapy diagnosis is based on principles of clinical decision making through examination, evaluation, prognosis, interventions and outcome evaluation. They are an important part of healthcare team, who work directly with the patients ensuring their recovery after surgery, injury, fracture or other acquired disability. Patients suffering from chronic conditions such as diabetes, heart disease, arthritis, joint pain, cancer and neurological disorder like parkinsonism and stroke also require consult from a trained physiotherapist. People who want to adopt Physiotherapy & Rehabilitation as a career are required to go through a 5-year Doctor of Physical Therapy [DPT] program Doctor of Physical Therapy is a highly respected and sought-after professional degree the world over. With the world wide population increasing steadily, DPT is one those of those qualifications that will remain in high demand the world over for years to come.



## Job/Career Opportunities

- Teaching at colleges/universities
- Public Sector (physiotherapist)
- Private hospitals, private clinics
- Physical medicine & rehabilitation centers
- NGOs, aid agencies & organizations
- Sports clubs & teams
- Researchers, medical technology companies
- International job placements

## Faculty

S#	Name	Designation	Qualification
1	Dr. Rabbia Naseer Ahmed	In Charge Chairperson/ Lecturer	DPT, Ph.D
2	Dr. Summan Sajid	Lecturer	DPT, Ph.D
3	Dr. Seemab Mughal	Lecturer	DPT, Ph.D
4	Dr. Syed Inayatullah	Lecturer	DPT, Ph.D

## SEMESTER BREAKUP

SEMESTER BREAKUP								
Year 1	<b>Sem-1</b> Total 18 Credit Hrs.	ANATOMY-I	PHYSIOLOGY-I	KINESIOLOGY-I	ENGLISH-I (FUNCTIONAL ENGLISH)	PAKISTAN STUDIES	BIOSTATISTICS-I	
	<b>Course Code</b>							
	<b>Credit Hrs.</b>	4(3-1)	3(2-1)	3(2-1)	3(2-1)	2(2-0)	3(3-0)	
	<b>Sem-2</b> Total 18 Credit Hrs.	ANATOMY-I	PHYSIOLOGY-II	KINESIOLOGY-II	ENGLISH-II (COMMUNICATION SKILLS)	ISLAMIC STUDIES / ETHICS	BIOSTATISTICS-II / UNIVERSITY OPTIONAL	
	<b>Course Code</b>							
<b>Credit Hrs.</b>	4(3-1)	3(2-1)	3(2-1)	3(3-1)	2(2-0)	3(3-0)		
Year 2	<b>Sem-3</b> Total 17 Credit Hrs.	ENGLISH-III (Technical Writing & Presentation Skills)	INTRODUCTION TO COMPUTER	INTRODUCTION TO COMPUTER	PHYSIOLOGY-III	BIOMECHANICS & ERGONOMICS-I	BIOCHEMISTRY & GENETICS-I	
	<b>Course Code</b>							
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(2-1)	3(3-0)	2(2-0)	
	<b>Sem-4</b> Total 17 Credit Hrs.	ANATOMY-IV (Neuro Anatomy)	BIOMECHANICS & ERGONOMICS-II	BEHAVIORAL SCIENCES (Psychiatry & Psychology)	BIOCHEMISTRY & GENETICS-II	EXERCISE PHYSIOLOGY	MEDICAL PHYSICS	
	<b>Course Code</b>							
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(3-0)	2(2-0)	3(3-0)	3(2-1)		
Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	PATHOLOGY & MICROBIOLOGY-I	PHARMACOLOGY-I	PHYSICAL AGENTS & ELECTROTHERAPY-I	THERAPEUTIC EXERCISES & TECHNIQUES	SOCIOLOGY	HEALTH & WELLNESS	SUPERVISED CLINICAL PRACTICE-I
	<b>Course Code</b>							
	<b>Credit Hrs.</b>	2(2-0)	3(3-0)	3(2-1)	3(2-1)	2(2-0)	2(2-0)	3(3-0)
	<b>Sem-6</b> Total 17 Credit Hrs.	PATHOLOGY & MICROBIOLOGY-II	PHARMACOLOGY-II	PHYSICAL AGENTS & ELECTROTHERAPY-II	MANUAL THERAPY	TEACHING METHODOLOGY & COMMUNITY MEDICINE	SUPERVISED CLINICAL PRACTICE-III	-
	<b>Course Code</b>							-



<b>Credit Hrs.</b>	3(2-1)	2(2-0)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	-
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<b>Year 4</b>	<b>Sem-7</b> Total 17 Credit Hrs.	MEDICINE-I	SURGERY-I	RADIOLOGY & DIAGNOSTIC IMAGING	MUSCULOSKELETAL PHYSICAL THERAPY	HUMAN GROWTH, DEVELOPMENT & COMMUNITY BASED REHABILITATION	SUPERVISED CLINICAL PRACTICE-III
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(2-1)	3(2-1)	2(2-0)	3(0-3)
	<b>Sem-8</b> Total 18 Credit Hrs.	MEDICINE-II	SURGERY-II	NEUROLOGICAL PHYSICAL THERAPY	EVIDENCE BASED PRACTICE	PROSTHETIC & ORTHOTICS	SUPERVISED CLINICAL PRACTICE-IV
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(2-1)	2(2-0)	3(3-0)	3(2-1)	2(2-0)	3(0-3)

<b>Year 5</b>	<b>Sem-9</b> Total 18 Credit Hrs.	CARDIOPULMONARY PHYSICAL THERAPY	EMERGENCY PROCEDURES & PRIMARY CARE IN PHYSICAL THERAPY	CLINICAL DECISION MAKING & DIFFERENTIAL DIAGNOSIS	SCIENTIFIC INQUIRY & RESEARCH METHODOLOGY	PROFESSIONAL PRACTICE (LAWS, ETHICS & ADMINISTRATION)	INTEGUMENTARY PHYSICAL THERAPY	SUPERVISED CLINICAL PRACTICE-V
	<b>Course Code</b>							
	<b>Credit Hrs.</b>	3(2-1)	2(2-0)	3(3-0)	3(2-1)	2(2-0)	2(2-0)	3(0-3)
	<b>Sem-10</b> Total 18 Credit Hrs.	OBSTETRICS & GYNAECOLOGICAL PHYSICAL THERAPY	PAEDIATRIC PHYSICAL THERAPY	GERONTOLOGY & GERIATRIC PHYSICAL THERAPY	SPORTS PHYSICAL THERAPY	SUPERVISED CLINICAL PRACTICE-VI	RESEARCH PROJECT	-
	<b>Course Code</b>							-
	<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(2-0)	2(2-0)	4(0-4)	6(6-0)	-

**HOUSE JOB:** One year of house job will be incorporated at the end of five year degree program.



# Bachelors of Eastern Medicine & Surgery

## Program(s)

BEMS

## Eligibility

F.Sc (Pre-Medical)

## Duration

5 Years (10 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The Department of Eastern Medicine was established in 2014 at Faculty of Pharmacy. It is the first Institution of its kind in the Balochistan and 3<sup>rd</sup> in Pakistan. The department has taken a big advance since its inception towards becoming a well-reputed herbal training center at national level. The BEMS program is comprised of 10 semesters. The program consists of some medical subjects like anatomy, physiology, biochemistry, pathology, microbiology, community medicine, clinical psychology & psychiatry, surgery, ENT & Eye, pediatrics, forensic medicine, Materia Medica and philosophy. Furthermore, the laboratories of Anatomy Museum and physiology have also been established. The department aims to equip students with high values of knowledge and education through meticulous class work, practical work in laboratories and apprenticeship training. Graduates of this department will work in Government Sector as well as in Private Organizations. BEMS Program is recognized by Higher Education Commission of Pakistan & Ministry of Health. National Council for Tibb issues registration to BEMS Graduates. 5 year program is equivalent to Master's Degree.



## Job/Career Opportunities

- General practice/private practice: set up of a private clinic registered Eastern Medicine (Tibbi) practitioner, authorized to prescribe Eastern (Tibbi) Medicine.
- Teaching Career: Appointment as lecturer/instructor in Tibbi institutions, Department of Eastern Medicine, etc.
- Appointment as registered Eastern Medicine (Tibbi) practitioner in private institution as a recognized Tibbi practitioner.
- Appointment as a scientific officer, research officer, in quality assurance, production, etc. in Eastern Medicine (Tibbi).
- Pharmaceutical industry, as sales officer, product promotion officer of Tibbi pharmaceutical industry.
- Food & Nutrition education officer, food supervisor, food inspector in government, semi government and private sectors.

## Faculty

S#	Name	Designation	Qualification
1	Dr. Shafi Muhammad	Chairperson/ Associate Professor	B.Pharm, M.Phil, Ph.D
2	Mr. Taufiq Ahmed	Lecturer	BEMS, M.Phil
3	Mr. Amjad Hussain	Lecturer	BEMS, M.Phil
4	Ms. Nagina Soomer Khan	Lecturer	Pharm-D, M.Phil (Reg)

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 18 Credit Hrs.	Anatomy (TASHREEH-AL-BADAN)-I	Physiology (ILMUL-AFAAL)-I	Biochemistry (HAYATI-KIMYA)-I	Principles of Eastern Medicine (KULLIYAT-FIL-TIBB)-I	History of Eastern Medicine (TAREEKH-E-TIBB)-I	Islamic Studies/Ethical Behavior (ISLAMIIYAT/IK HLAQIAT)
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	4(3-1)	3(2-1)	3(2-1)	3(2-1)	2(2-0)	3(3-0)
	<b>Sem-2</b> Total 18 Credit Hrs.	Anatomy (TASHREEH-AL-BADAN)-II	Physiology (ILMUL-AFAAL)-I	Biochemistry (HAYATI-KIMYA)-II	Principles of Eastern Medicine (KULLIYAT-FIL-TIBB)-II	History of Eastern Medicine (TAREEKH-E-TIBB)-II	Pakistan Studies (MUTALYAI PAKISTAN)
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	4(3-1)	3(2-1)	3(2-1)	3(3-1)	2(2-0)	3(3-0)
Year 2	<b>Sem-3</b> Total 17 Credit Hrs.	Anatomy (TASHREEH-AL-BADAN)-III	Physiology (ILMUL-AFAAL)-III	Biochemistry (HAYATI-KIMYA)-III	Principles of Eastern Medicine (KULLIYAT-FIL-TIBB)-III	Pharmacognosy (ADVIAH SHANASI)-I	-
	<b>Course Code</b>						-
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(2-1)	3(3-0)	-
	<b>Sem-4</b> Total 17 Credit Hrs.	Anatomy (TASHREEH-AL-BADAN)-IV	Physiology (ILMUL-AFAAL)-IV	Biochemistry (HAYATI-KIMYA)-IV	Principles of Eastern Medicine (KULLIYAT-FIL-TIBB)-IV	Pharmacognosy (ADVIAH SHANASI)-II	Bioinformatics (HAYATIATI MALUMAT)
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(3-0)	2(2-0)	3(3-0)	3(2-1)

Year 3	<b>Sem-5</b> Total 17 Credit Hrs.	Pharmacy (DAWASAZI)-I	Pathology (ILMUL AMRAZ)-I	Materia Medica (ILMUL ADVIAH)-I	Pharmacognosy (ADVIAH SHANASI)-III	Mualijat (Medicine)-I	Community Medicine (SAMAJI TIBB)
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(2-1)	3(3-0)	2(2-0)
	<b>Sem-6</b> Total 17 Credit Hrs.	Pharmacy (DAWASAZI)-II	Microbiology & parasitology (ILMUL-E-KHURD-HAYATIYAT)	Materia Medica (ILMUL ADVIAH)-II	Pharmacognosy (ADVIAH SHANASI)-IV	Mualijat (Medicine)-II	Forensic Medicine & Toxicology (TIBB-E-QANOON-VA-ILMUL-SAMOON)
	<b>Course Code</b>						
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(3-0)	2(2-0)	3(3-0)	3(2-1)	

Year 4	<b>Sem-7</b> Total 17 Credit Hrs.	Pathology (ILMUL AMRAZ)-II	Surgery (ILMUL-JARAHAT)-I	Materia Medica (ILMUL ADVIAH)-III	Gynaecology (ILMUL VILADAT-VA-AMRAZ-E-NISWAN)-I	Mualijat (Medicine)-II	Clinical Psychology & Psychiatry (SARIRYATI ILMUL-NAFS WAAMRAZ-E-NAFSANIAH)
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(2-1)	3(3-0)	2(2-0)
	<b>Sem-8</b> Total 17 Credit Hrs.	Pathology (ILMUL AMRAZ)-III	Surgery (ILMUL-JARAHAT)-II	Materia Medica (ILMUL ADVIAH)-IV	Gynaecology (ILMUL VILADAT-VA-AMRAZ-E-NISWAN)-II	Mualijat (Medicine)-IV	-
	<b>Course Code</b>						-
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(3-0)	2(2-0)	3(3-0)	-	

Year 5	<b>Sem-9</b> Total 21 Credit Hrs.	Paediatrics (AMRAZ-E-ATFAL)-I	Ophthalmology (ILMUL UL AIN)	Obstetrics (ILMUL VILADAT-VA-AMRAZ-E-NISWAN)-I	Surgery (ILMUL-JARAHAT)-III	Clinical Diagnostics (SARIRYATI TASHKHEES)-I	Mualijat (Medicine)-V	Final Year Project (F.Y.P)
	<b>Course Code</b>							
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(2-1)	3(3-0)	2(2-0)	4(3-1)
	<b>Sem-10</b> Total 17 Credit Hrs.	Paediatrics (AMRAZ-E-ATFAL)-II	ENT (AMRAZ-E-UZUN. ANAF VO HALAQ)	Obstetrics (ILMUL VILADAT-VA-AMRAZ-E-NISWAN)-II	Surgery (ILMUL-JARAHAT)-IV	Clinical Diagnostics (SARIRYATI TASHKHEES)-I	Mualijat (Medicine)-VI	-
	<b>Course Code</b>							-
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(3-0)	2(2-0)	3(3-0)	3(2-1)	-	

**Facilities:**

**Teaching Laboratories:** The Faculty of Pharmacy & Health Sciences has 6 well-equipped and modern laboratories along with the supporting staff to cater the needs of students.

**Computer Lab:** Computer laboratory is established which can be used by students and research scholars of the Faculty.

**Industrial Lab:** The Faculty of Pharmacy & Health Sciences has established a well-equipped and



modern industrial lab for students, graduates and researchers. **Faculty Library:** The Faculty library is managed by a qualified librarian and has over 800 books covering a wide range of disciplines in Pharmacy for teaching and research purposes. These books are in addition to more than 1000 titles of Pharmacy books stocked in Central library of the University. The Faculty library also has a vast collection of international research journals. A complete list of these journals can be obtained from the librarian.

**Internet Facility:** The internet facility is also available in all laboratories and library. Research journals are available at digital library provided by Higher Education Commission, Pakistan and research articles of interest can also be downloaded.

**Microbiology Research Laboratory:** A separate well equipped laboratory has been developed for subject of microbiology and higher research students.







2020

## Faculty of Earth & Environmental Sciences

- ▶ Geology
- ▶ Geography & Regional Planning
- ▶ Renewable Energy
- ▶ Seismology & Geophysical Studies
- ▶ Environmental Science

# Geology

**Program(s)**  
BS (Geology)

**Eligibility**

- Candidates should have passed Fsc (Pre-Eng/Pre Medical/ ICS Groups).
- Candidate should have sound Physique and capable of undertaking climbing heights during fieldwork and should not suffer from color blindness for the purpose of optical Work.

**Duration**

4 Years (8 Semesters)  
Full time

**Entry**

Semester-1

**Contact hours**

(first year, full time)

Approximately 16-22 hours per week

**Find out more**

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Geology is the science of earth dealing with rocks, minerals, the origin, history and structure of the earth. It plays an important role in the economy of a nation. It is one of the most important subjects of basic and applied sciences, particularly with reference to the Balochistan province, which provides excellent opportunities for the development and exploitation of natural resources. Balochistan has high prospects for geological research and exploration of economic mineral deposits, petroleum, groundwater and other natural resources.

The Department of Geology is one of the seven departments, established at the raising of the University of Balochistan in 1971. During the initial years, the department offered only M.Sc. courses. Now BS 4<sup>th</sup> Years (Applied Geology) Program is also offered.

## Objectives

- To prepare high quality professionals in the Field of geology through 4-Years B.S. (Applied Geology) and 2-Years M.Sc. (Geology) programs in order to meet the national and international needs.
- To prepare professional and skilled manpower in the field of Applied Geology, capable of carrying out geological field and analytical work independently.
- To provide training to plan and conduct goal-oriented research projects and assets their





socio-economic aspects, achieve targets, write technical reports and scientific research papers and provide consultancy services.

### Vocational Job Opportunities/ Marketability of Graduates

- The graduates will have opportunities to work in the following organization: Geological Survey of Pakistan (GSP)
- Pakistan Atomic Energy Commission
- Hydrocarbon Development Institute of Pakistan
- Water and Power Development Authority (WAPDA)
- Oil and Gas Sector
- Pakistan Mineral Development Corporation (PMDC)
- Balochistan Development Authority (BDA)
- Public Health Engineering Department
- Various Educational Institutions (Mostly Universities and Colleges) and various national and International Mineral Exploration Companies.
- The opening of new projects, such as Saindak Metals Limited, Rikho-Dic Copper-Gold Project, Gawadar Port, construction of darns, development of gas pipeline from Iran to India, development of water reservoirs and thermal (coal-based) power stations in the country, have high potential for new job opportunities.

### Faculty

S #	Name	Designation	Qualification
1	Prof. Dr. Din Muhammad Kakar	Professor/Dean, Faculty of Earth & Environmental Sciences	Ph.D
2	Dr. Muhammad Ibrahim Baloch	Associate Professor/ Chairperson	Ph.D
3	Mr. Nasir Karim	Assistant Professor	M.Sc.
4	Dr. Mohibullah	Assistant Professor	Ph.D
5	Mr. Aminullah Khan	Assistant Professor	M. Phil
6	Mr. Tahir Iqbal	Assistant Professor	M. Phil
7	Mr. Rahim-ud-Din Tareen	Assistant Professor	M. Phil
8	Ms. Shazia Fareed	Assistant Professor	M. Phil
9	Mr. Najeebullah	Lecturer	M.Phil
10	Mr. Imran Khan	Lecturer	BS
11	Mr. Muhammad Faraz	Lecturer	M.Sc
12	Mr. Jalil Ahmed	Lecturer	BS
13	Mr. Rehan Gul	Lecturer	BS
14	Mr. Hikmat Ulla Khan	Lecturer	BS
15	Mr. Muhammad Iqbal Kasi	Lecturer	M.Sc

### SEMESTER BREAKUP

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	English-I	Islamic Studies/ Ethics	Mathematics-I	Physics-I	Chemistry-I	General Geology
	<b>Course Code</b>	ENG-301	ISL.ST/ETH-302	MATH-303	PHY-304	CHEM-305	GEOL-306
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(2-1)	3(2-1)	3(2-1)
	<b>Sem-2</b> Total 17 Credit Hrs.	English-II	Pakistan Studies	Mathematics-II	Physics-II	Chemistry-II	Geomorphology
	<b>Course Code</b>	ENG-307	PAK-ST-308	MATH-309	PHY-310	CHEM-311	GEOL-312
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(2-1)	3(2-1)	3(2-1)

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Botany	Mathematics-III	Physics-III	Chemistry-III	Paleontology	Stratigraphy
	<b>Course Code</b>	BOT-401	MATH-402	PHY-403	CHEM-404	GEOL-405	GEOL-406
	<b>Credit Hrs.</b>	3(2-1)	3(3-0)	3(2-1)	3(2-1)	3(2-1)	3(2-1)
	<b>Sem-4</b> Total 18 Credit Hrs.	Zoology	Computing & Geo-statistics	Physics-IV	Chemistry-IV	Crystallography, Optical Mineralogy & Petrography	Geological Field Work-I
	<b>Course Code</b>	ZOOL-407	COMP-STAT-408	PHY-409	CHEM-410	GEOL-411	GEOL-412
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)	

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Geo-Tectonics	Structural Geology	Sedimentology	Sequence Stratigraphy	Mineralogy	Igneous & Metamorphic Petrology
	<b>Course Code</b>	GEOL-501	GEOL-502	GEOL-503	GEOL-504	GEOL-505	GEOL-506
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)
	<b>Sem-6</b> Total 18 Credit Hrs.	Geophysics	Geochemistry	Petroleum Geology	Field Geology	Economic Geology	Geological Field Work-II
	<b>Course Code</b>	GEOL-507	GEOL-508	GEOL-509	GEOL-510	GEOL-511	GEOL-512
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(3-0)	

Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	Organic Geochemistry	Environmental Geology	Engineering Geology	Hydrogeology	Micropaleontology & Biostratigraphy
	<b>Course Code</b>	GEOL-601	GEOL-602	GEOL-603	GEOL-604	GEOL-605
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(2-1)	3(2-1)
	<b>Sem-8</b> Total 09 Credit Hrs.	Geology of Pakistan	Special Paper, I,II, III (Opt one only)	Thesis	-	-
	<b>Course Code</b>	GEOL-606	GEOL-607	GEOL-608	-	-
<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	-	-	

**Total Credit Hours: 134**

Optional Courses				
Mineralogy and Petrology	Paleontology and Stratigraphy	Economic Geology	Engineering Geology	Petroleum Geology
GROUP-I	GROUP-II	GROUP-III	GROUP-IV	GROUP-V
Applied Geophysics	Geochemistry	Sedimentology	Hydrogeology	Industrial Mineralogy
GROUP-IV	GROUP-VII	GROUP-VIII	GROUP-IX	GROUP-X
Marine Geology	Environmental Geology	Structural, Tectonics and Neotectonics	-	-
GROUP-XI	GROUP-XII	GROUP-XIII	-	-

### Facilities

**Departmental Library:** Library of the department contains more than 2500 textbooks, reference books, geological encyclopedias, field reports and audiovisual materials (i.e. geological videos, CDs, slides and Transparencies).

**Geochemistry Laboratory:** This laboratory has some facilities for geochemical analysis. It is equipped with glassware and chemicals.

**Petrography Laboratory:** The petrography lab has facilities for megascopic analysis of minerals and rocks.

**Microscopic Laboratory:** This laboratory is well equipped for microscopic analysis of rocks and minerals. It contains transmitted and reflected research microscopes, polarizing microscopes and projected microscopes. One of the research microscopes has attached computer, display monitor and camera for obtaining microphotographs.

**Thin Section Workshop:** This workshop contains facilities for preparation of thin sections of rocks and is equipped with rock cutting machine, polishing machine, grinder with different sizes, abrasive sands and other chemicals used for preparation of thin sections of rocks. Other equipment's include crusher, water distal plant and micro grinder.

**Computer Laboratory:** This laboratory is equipped with fifteen computers, a Laser Printer, a Scanner and a Photocopier. Computers have connection with the main network of University and internet. A large number of international research journals are also available on the Digital Library provided by the HEC, where students can download research articles of their interests.

**Museum:** Museum is one of the attractive places of the University. It contains about 1000 specimens of Rocks, minerals and fossils of foreign and local collections.



# Geography & Regional Planning

## Program(s)

BS (Geography)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

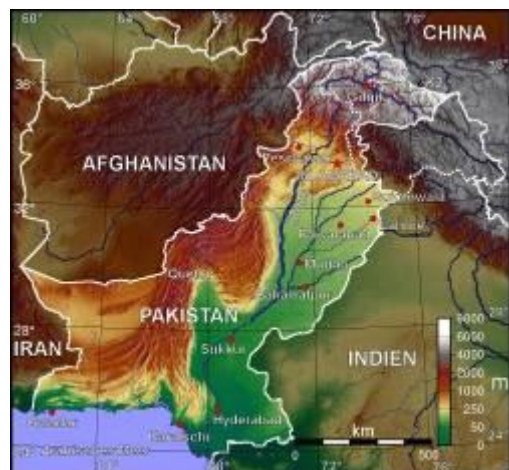
Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The Department of Geography and Regional Planning was established in 1985. It caters formal education and research in the fields of Physical and Human Geography with special focus on Regional Development Planning. This department has stretched its dimension from pure geography to its applied aspects like regional planning, urban planning, healthcare and rural planning in 2017 with the return of our qualified faculty in diversified fields of studies, and now earned the name of the Department of Geography and Regional Planning as a result of its practical planning applications. Apart from BS and M.Sc., the Department of Geography and Regional Planning offers higher studies of M.Phil. & Ph.D. programs in various fields like environmental sciences, climate change studies, disaster management, regional planning, urban and rural planning, natural resource management etc. Moreover, the department has also planned to initiate one year diploma in Geomatics: Geographic Information System (GIS) and Remote Sensing (RS). Geography examines the interlocking systems of the natural and human environments; evaluates earth's potential and assesses the available means to exploit these potentials in a sustainable manner for the man's life. Geography explains human behavior in spatial terms at all levels from small scale personal activities to the geo-political practices of nation-states. Geography is one of the old and mother disciplines that bridges physical and social



sciences. The major essence of geography is to explain and map terrestrial processes at various spatial and temporal scales on the surface pertaining to physical and human environments.

### **Objectives**

- To provide educational programs which encourage students to think creatively, constructively and to communicate ideas effectively.
- To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- To provide qualified and focused professionals in the subject of Geography to meet the future needs of educational institutions and field oriented research departments.
- To prepare researchers to meet the needs of administration and research organizations.
- To keep the society aware regarding socio-cultural, environmental and economic problems in a variety of spatial settings.
- To develop skill of quantitative analysis in addition to their descriptive capabilities of problems analysis and identification.

### **Vocational Job Opportunities/ Marketability of Graduates**

There is a lot of demand of geography's graduates in various sectors and are reported competitive and well-performers. A few employment opportunities institutions are listed below:

- All educational and research institutions
- Planning and Development Departments
- Firms consulting on environmental problems
- Institutions needing Environmental Analysts
- As a GIS Analyst in Corporations Operating GIS
- Census Organizations: Population, Agricultural and etc.
- Government Strategic Policy Analysis Departments
- Armed Forces (Air Force, Navy and Army).
- Natural Resource Management (NRM)
- Geological Survey of Pakistan and Survey of Pakistan
- Meteorological Observatories of Pakistan
- Tourism Departments
- Crisis Management Cells
- National Disaster management Authority (NDMA)
- SUPARCO
- As a Social organizer in NGOs.
- Rural Development & Local Government
- UNDP
- Water and Power Development Authority (WAPDA)
- Geosciences Laboratories
- Pakistan Mineral Development Corporation (PMDC)
- Pakistan Steels
- Civil Services of Pakistan
- Oil & Gas Development Corporation (OGDC)
- Ministry of Petroleum (Petroleum Cell) and Pakistan Petroleum Ltd. (PPL)
- Pakistan Atomic Energy Commission

## Faculty

S.#	Teacher's Name	Designation	Qualification
1	Dr. Romana Ambreen	Associate Professor/ Chairperson	Ph.D.
2	Mr. Taleem Badshah Khattak	Assistant Professor	M.Sc.
3	Dr. Ahmad Saeed	Assistant Professor	Ph.D.
4	Dr. Said Qasim	Assistant Professor	Ph.D.
5	Dr. Sanaullah Panezai	Assistant Professor	Ph.D.
6	Ms. Nargis Kamal	Assistant Professor	MS
7	Ms. Sabiha Mengal	Lecturer	M.Sc.
8	Ms. Abida Achakzai	Lecturer	M.Phil.
9	Ms. Farhana Amir	Lecturer	M.Phil.
10	Mr. Tehmoor Rehman	Lecturer	M.Phil.
11	Ms. Sumra Sajida Tufail	Lecturer	M.Phil.

## SEMESTER BREAKUP

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 18 Credit Hrs.	General Geology (General)	English (Text) –I (Compulsory)	Fundamental of Geography	Introduction to Computing (Compulsory)	Mathematics –I (Compulsory)	Environmental Chemistry –I (General)
	<b>Course Code</b>	GEOL-601	ENG-601	GEOG-601	CS-601	MATH-604	CHEM-617
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(2-1)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	Introduction to Sociology (General)	Islamic Education (Compulsory)	English – II (Grammar) (Compulsory)	Physical Geography	Mathematics – II (Compulsory)	Environmental Biology (General)
	<b>Course Code</b>	SOC-601	IS-601	ENG-602	GEOG-602	MATH-610	BOT-622
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Principles of Micro-economics (General)	Principles of Political Science (General)	Pakistan Studies (Compulsory)	English – III (Technical Writing and Presentation Skills) (Compulsory)	Human Geography	Basic Cartography
	<b>Course Code</b>	ECO-601	POLS-601	PSC-601	ENG-603	GEOG-603	GEOG-604
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(2-1)
	<b>Sem-4</b> Total 18 Credit Hrs.	Principles of Macro-economics (General)	Advanced Cartography	Geography of Pakistan	Map Reading & Topographic Surveying	Geographic Thoughts	Public Administration & Society (General)
	<b>Course Code</b>	ECO-601	GEOG-608	GEOG-605	GEOG-605	GEOG-607	PS-608
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(2-1)	3(3-0)	3(3-0)	
Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Geomorphology	Climatology	Oceanography	Geography of Settlements	Economic Geography	Principles of Geographic Information System
	<b>Course Code</b>	GEOG-609	GEOG-610	GEOG-611	GEOG-612	GEOG-613	GEOG-614
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(2-1)
	<b>Sem-6</b> Total 18 Credit Hrs.	Population Geography	Applied Statistics in Geography	Principles of Remote Sensing	Geography of Disasters	Environmental Geography	Research Methods
	<b>Course Code</b>	GEOG-615	GEOG-616	GEOG-617	GEOG-618	GEOG-619	GEOG-620
<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	3(3-0)	

Semester-VII								
Specialization in Regional Planning (Group-I)								
Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	Preparation of Synopsis / Research Project	Introduction to Regional Planning	Regional Planning Techniques	Rural Development Planning	Urban Planning and Management	Environmental Planning & Management	
	<b>Course Code</b>	GEOG-621	GEOG-622	GEOG-623	GEOG-624	GEOG-625	GEOG-626	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(2-1)	3(3-0)	3(3-0)	3(3-0)	
		Environmental Impact Assessment (EIA)						
		GEOG-627						
		3(2-1)						
	Specialization in Physical Geography (Group-II)							
	<b>Sem-7</b> Total 15 Credit Hrs.	Preparation of synopsis / Research Project	Techniques in Geomorphology	Applied Geomorphology	Quaternary Geology	Climate Change Studies	Climate System	
	<b>Course Code</b>	GEOG-621	GEOG-628	GEOG-629	GEOG-630	GEOG-631	GEOG-632	
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
<b>Sem-8</b> Total 12 Credit Hrs.	Political Geography		Ethics in Geographical Studies		Research Project/Filed Work			
<b>Course Code</b>	GEOG. 633		GEOG. 634		GEOG. 635			
<b>Credit Hrs.</b>	3(3-0)		3(3-0)		6(6-0)			

**Total Credit Hours: 130**

#### Field Research

Field research is aimed with a goal to produce human resource (students) be skillful, technical and more professional in writing, analysis of data, interpretation and expertise in conversion of spatially located data into regional study.

#### Facilities

##### Departmental Library

The departmental library is managed by a qualified librarian and has a collection of books covering a wide range of disciplines in Geography and Regional Planning. The existing library provides services to both students and professionals belonging to different environment related departments/ institutions within and outside the campus.

##### GIS and RS Laboratory

The department has the GIS and RS Laboratory for equipped with computers for spatial analysis of data and producing maps.

##### Cartographic Laboratory

There is Cartographic Laboratory for land surveying and making maps.

##### Research Laboratory

The department has a research laboratory for the research students of M.Phil. and Ph.D. programs. Research students are provided cabins with table and chair for conducting research.

##### Meteorological Laboratory

There is Metrological Laboratory in the department surveying and making maps.

##### Geomorphological Laboratory

The Geomorphological Laboratory possess the models of geologic features. The department also shares the Geology Department's museum for Identification of minerals and rock samples.

##### Internet Facility

The high speed Wi-Fi internet facility is available at the department. A large number of national and international journals are available on Digital Library provided by HEC. The downloading of these research articles of your interests is free of cost.

# Renewable Energy

## Program(s)

BS (Renewable)

## Eligibility

- F.Sc Pre-Engineering
- A-Level Cambridge (with subject of Mathematics, Physics, Chemistry)

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The University of Balochistan offered Renewable Energy Studies first time in the country in the year 2017. The department was inaugurated by Honorable Mr. Ahsan Iqbal, the Federal Minister for Planning, Development and Reforms on 16<sup>th</sup> August 2016, while the academic activities started from 27<sup>th</sup> October 2017 with BS program.

Renewable energy is an emerging discipline of sciences and technologies of present day, tuned to harness the available sources of green energy on this planet earth and developing various energy systems. Renewable energy systems are designed to take the energy resources probably the clean and green energy sources.

Diverse categories of energy resources can be tabbed with renewable energy systems. Designing renewable energy system would require extensive knowledge of sciences probably Physics, Technologies and Engineering.

The most available sources of energy are solar, wind, tidal, hydel, geothermal, biofuel, nuclear and indeed hydrogen.

Various energy renewable energy systems have already been used today but require designing compatible to our environment and energy resource requirements of geographical location of the country. This is a mentally requirement to evolve an industry to manufacture diverse energy systems. Skilled and qualified man power have now become a mentally requirement to switch over to alternate sources of energy and save the grid electricity.

Solar architecture for buildings and its designing solar collectors and reflectors for heating and cooling of air/ water, solar based heating and cooling of building,





solar based water pumps, solar geysers, solar refrigerators, solar ponds for Rankine cycle engine for desalination of sea water and producing electricity, photovoltaic devices to producing electricity and many other diverse applications and systems utilizations like solar powered thermal stations to producing electricity have now become imperative and alternate source of energy.

There are many potential locations to tap both solar and wind energy; for producing electricity generally in Pakistan and especially in Balochistan. Savonius, Darrieus and many other wind turbines are commercially available to producing electricity. The coastal built in the south and the mountainous regions especially in the north west of Balochistan offer extraordinary potential to tap wind energy. Wind machines for grinding grains water pumping and for many other purposes can also be used in remote agricultural locations.

Hybrid energy systems like solar-wind- hydrogen, solar based bioenergy, etc. are needed to produce electricity at relatively larger scale. Hydrogen gas filled in some metals like vanadium hydride and titanium hydride serve as fuel cells for combustion engines.

Needless to mention, self-designed and innovated renewable energy system have to be put into use compatible with our nature resource requirements.

The department of renewable energy, at present, is offering BS (four years) undergraduate and MS (two years graduate) degree programmes.

Hardware workshops (Mechanical/ electrical/ electronics, computer, etc.) and renewable energy laboratories have already been designed.

### Objectives

- Energy crisis is one of the most important issues in developing countries. The main objective is to motivate and train the students to avail the new sources of energy. The students will serve as master trainers to provide awareness about the use of renewable energy sources from energy systems and get rid of grid electricity which is expensive.
- With China Pakistan Economic Corridor (CPEC) it is inevitable to have sufficient energy trained personal to safeguard the energy requirements such as the availability of electricity in every nook and corner of the country. This is why the department of Renewable Energy is essential as source to produce skilled and trained man power for fabrication, manufacturing and system development for renewable energy.

### Vocational Job Opportunities/ Marketability of Graduates

- Graduates will have the ability to plan projects and facilities for the utilization of renewable energy and to implement them while taking account of economic, political and societal concerns. Thus the curriculum is designed to enable unique career opportunities in the vocational fields of planning, innovation, invention, engineering, consultancy and investment of renewable energy. Our graduates will have ample opportunities to be absorbed in all sectors of industries, organizations, scientific institutions, non-government organizations working for energy development, and especially for diverse CPEC activities.

### Faculty

S #	Name	Designation	Qualification
1	Dr. Jafar Khan Kasi	Chairperson/Assistant Professor	Ph.D
2	Dr. Ajab Khan Kasi	Associate Professor	Ph.D
3	Dr. Muzamil Bokhari	Assistant Professor	Ph.D
4	Mr. Hafeez ur Rehman	Academic Internee	MS
5	Mr. Nasrullah	Academic Internee	M.Sc
6	Ms. Natasha	Academic Internee	M.Sc
7	Mr. Sadam Hussain	Academic Internee	BS(CS)

### SEMESTER BREAKUP

<b>Year 1</b>	<b>Sem-1</b> Total 17 Credit Hrs.	Introduction to Renewable Energy	Metallurgy & Workshop Practices	Fluid Mechanics	Applied Physics-1	Mathematics - I (Calculus)	Islamic Studies or Ethics (for Non-Muslim students)
	<b>Course Code</b>	RE-611	RE-612	RE-613	PHY-611	MATH-615	IS-616
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(2-1)	3(3-0)	2(2-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	Thermodynamics	Applied Mechanics	3D Modeling and Simulation	Applied Chemistry	Mathematics - II (Ordinary Differential Equations)	English Composition and Comprehension
	<b>Course Code</b>	RE-621	RE-622	RE-623	CHEM-624	MATH-625	ENG-626
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(1-2)	3(3-0)	3(3-0)	2(2-0)

<b>Year 2</b>	<b>Sem-3</b> Total 17 Credit Hrs.	Wind Energy	Heat and Mass transfer	Applied Physics-II	Circuit Theory	Mathematics - III (Linear Algebra)	Pakistan studies
	<b>Course Code</b>	RE-631	RE-632	PHY-633	EE-634	MATH-635	PST-636
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	2(2-0)
	<b>Sem-4</b> Total 17 Credit Hrs.	Hydro Power Systems	Basic Electronics	Communication & Presentation Skills	Geological Perspective of Renewable Energy	Numerical Analysis	Statistics and Probability
	<b>Course Code</b>	RE-641	RE-642	RE-643	GEOL-644	MATH-645	STAT-646
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(2-1)	3(3-0)

<b>Year 3</b>	<b>Sem-5</b> Total 17 Credit Hrs.	Tidal and Geothermal Energy	Energy Storage	Solar Energy	Nanoscience and Energy	Mechatronics	Geographical Perspective of Renewable Energy in Pakistan
	<b>Course Code</b>	RE-651	RE-652	RE-653	RE-654	RE-655	GEOG-656
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(2-1)	3(2-1)	3(3-0)	2(2-0)
	<b>Sem-6</b> Total 17 Credit Hrs.	Microbial Bioenergy and Biofuel	Hydrogen and Fuel Cells	Power Electronics	RS and GIS for Renewable Energy Resources	Photoactive Materials and Thermal Characterization	Environmental Impact Assessment
	<b>Course Code</b>	RE-661	RE-662	RE-663	RE-664	RE-665	RE-666
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(2-1)	3(2-1)	3(3-0)	2(2-0)

<b>Year 4</b>	<b>Sem-7</b> Total 17 Credit Hrs.	Photovoltaic	Nuclear Energy and Diverse Reactors	Digital Electronics	Project Report- I	Professional Ethics	<b>Elective-I</b>
	<b>Course Code</b>	RE-671	RE-672	RE-673	RE-674	RE-675	-
	<b>Credit Hrs.</b>	3(2-1)	3(3-0)	3(2-1)	3(0-3)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	Boilers and Power Plant	Power Generation	Project Report- II	Instrumentation and control	<b>Elective-II</b>	-
	<b>Course Code</b>	RE-661	RE-662	RE-663	RE-664	-	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(0-3)	3(3-0)	3(3-0)	-

**Total Credit Hours: 134**

Elective Course (choose one from the following) Semester-7		
Thin Film Technology And Applications	Solar Passive Architecture	Heating Ventilation and Air Conditioning Systems
RE-676	RE-677	RE-678
3(3-0)	3(3-0)	3(3-0)
Elective Course (choose one from the following) Semester-8		
New Energy Technologies	Energy Efficient buildings	Fabrication of Solar Cells
RE-685	RE-686	RE-687
3(3-0)	3(3-0)	3(3-0)

## Facilities

**Departmental Library:** The departmental Library has been established with wall to wall books shelves and proper sitting arrangements. More than 500 books latest original books covering a wide range of disciplines in Renewable Energy of all study programmes are available.

**Computer Lab:** The department of Renewable Energy has a full furnished computer lab which has internet services and access to digital library where thousands of journals, proceedings, online books, and magazines can be accessed.

**Basic Laboratories:** Two large laboratories are available in the newly established department. However the equipments are yet to be arranged for BS and MS levels. These labs will be equipped with different practical setups for energy related experiments commensurate to international norms and standards.

**Research Laboratory:** This lab is for M.S and PhD students to perform their research work in renewable energy. The equipments are yet to be arranged for said purpose.

## Future Plans:

- The department shall launch the M.S and PhD programme of studies in near future.
- The Energy Research Park will be established in near future in the University of Balochistan. It is mandatory requirement before we embark for our research studies in Renewable energy.



# Seismology & Geophysical Studies

## Program(s)

BS (Seismology & Geophysical Studies)

## Eligibility

- Fsc Pre-Eng
- Candidate should have sound Physique and capable of undertaking climbing heights during fieldwork and should not suffer from color blindness for the purpose of optical Work.

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

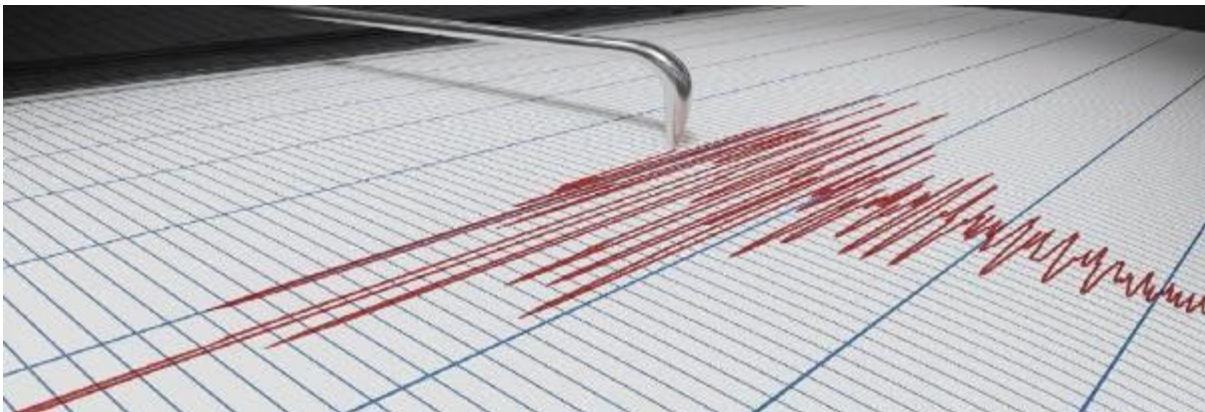
[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Seismology and Geophysical studies is the science of earth and its physical studies including mineral exploration and earthquake studies. Balochistan is rich in mineral resources. The establishment of new Seismology Department will train the human resource to explore mineral resources of Balochistan and Pakistan. It plays an important role in the economy of a nation. It is one of the most important subjects of applied sciences, particularly with reference to the minerals exploration and earthquake studies in Balochistan. Balochistan province, which provides excellent opportunities for the development and exploitation of natural resources. Balochistan has high prospects for geological research and exploration of economic mineral deposits, petroleum, groundwater and other natural resources.

Entire Balochistan is also earthquake prone. Major earthquake are common in Balochistan. In the recent past damaging earthquakes occurred in the region after every earthquake, next city became unsafe and need special attention to mitigate the effect of next damaging earthquake. We are now equipped with modern instrument to study earthquake and identify earthquake prone areas in advance.

The Department of Seismology and Geophysical studies has been equipped with scientific equipment to generate scientific data to explore minerals, water and petroleum resources and earthquake studies of the Province. During the initial years, the department offered only BS 4<sup>th</sup> Years Program and gradually MS and Ph.D will be offered in coming



years.

### Objectives

- To prepare high quality professionals in the Field of Seismology and Geophysical studies through 4-Years B.S. programs in order to meet the national and international needs.
- To prepare professional and skilled manpower in the field of Applied Seismology and Geophysical earth sciences , capable of generating geophysical data through various geophysical instrument including seismograph, Magneto meter, Gravity meter, electrical resistivity meter and GPS equipment's.
- To provide training to get geophysical data, capable of analyzing and processing through various updated software and assess their socio-economic and disaster related aspects, achieve targets, write technical reports and scientific research papers and provide consultancy services.

### Vocational Job Opportunities/ Marketability of Graduates

- The graduates will have opportunities to work in the following organization: Geological Survey of Pakistan (GSP) Pakistan Atomic Energy Commission Hydrocarbon Development Institute of Pakistan Water and Power Development Authority (WAPDA) Oil and Gas Sector Pakistan Mineral Development Corporation (PMDC) Balochistan Development Authority (BDA) Public Health Engineering Department, Provincial Disaster Management Authority, All minerals related sectors, Various Educational Institutions (Mostly Universities and Colleges) and various national and International Mineral Exploration Companies. Irrigation Department.
- The opening of new projects, such as China-Pakistan Economic Corridor CPEC, Saindak Metals Limited, Rikho-Dic Copper Gold Project, Gawadar Port, construction of dams, development of gas pipeline from Iran to India, development of water reservoirs and thermal (coal-based) power stations in the country, have high potential for new job opportunities.

### Faculty

S.#	Name	Designation	Qualification
1	Prof. Dr. Din Muhammad Kakar	Professor/ Chairperson/ Dean, Faculty of Earth & Environmental Sciences	Ph.D
2	Dr. Mohibullah	Assistant Professor	Ph.D
3	Ms. Shazia Fareed	Assistant Professor	M.Phil
4	Mr. Najeebullah	Lecturer	M.Phil
5	Mr. Muhammad Faraz	Lecturer	M.Sc

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Introduction to Geology and Geophysics	Introduction to the Universe, solar system and the Earth;	Rotation of the earth; Gravity and Tides; Radioactivity, Temperature, Pressure and density	Geomagnetism and Paleomagnetism	Mathematics I (Algebra)	Islamic Studies or Ethics (for Non-Muslim students)
	<b>Course Code</b>	GEO-411	GEO-412	SGS-413	SGS-414	MATH-415	IS-416
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(2-1)	3(3-0)	2(2-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	General Geology and Geomorphology	Electrical Method and Gravity Method	Physics –I	Geological Practical-I	Physics-II	English Composition and Comprehension
	<b>Course Code</b>	SGS-417	SGS-418	SGS-419	SGS-420	SGS-421	ENG-422
<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(1-2)	3(3-0)	3(2-1)	2(2-1)	

Year 2	<b>Sem-3</b> Total 17 Credit Hrs.	Structural Geology, Tectonics and Geodynamics	Magnetic Method	Mineralogy, petrology and Geochemistry	Geology Practical-II	10 days Fieldwork + Dissertation	Pakistan studies
	<b>Course Code</b>	SGS-423	SGS-424	SGS-425	SGS-426	SGS-427	PST-428
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	2(2-0)
	<b>Sem-4</b> Total 17 Credit Hrs.	Geodesy and its application	Earthquake Seismology	Geophysical Data Processing	Economic and Fuel Geology	Stratigraphy and Sequence Stratigraphy	Principles of Remote Sensing and its application. Remote sensing application of ground water.
	<b>Course Code</b>	SGS-429	SGS-430	SGS-431	SGS-432	SGS-433	SGS-434
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(2-1)	2(2-2)

Year 3	<b>Sem-5</b> Total 17 Credit Hrs.	Seismic Stratigraphy	Earthquake Seismology	Seismic Reflection and Refraction Methods	Seismology and its application in Mineral Exploration	Seismic Prospecting	Rock Physics
	<b>Course Code</b>	SGS-436	SGS-437	SGS-438	SGS-439	SGS-440	SGS-413
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(2-1)	2(2-0)	3(2-1)	3(3-0)
	<b>Sem-6</b> Total 17 Credit Hrs.	Groundwater Investigation	Electrical resistivity Method	Groundwater Engineering	Borehole Geophysics	Well Logging and Pumping tests.	Neotectonics and Geodesy
	<b>Course Code</b>	SGS-441	SGS-442	SGS-443	SGS-444	SGS-445	SGS-446
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(2-1)	3(3-0)	2(2-0)

Year 4	<b>Sem-7</b> Total 17 Credit Hrs.	Earthquake Engineering and Risk Assessment	Natural Hazards and Environmental Geophysics	Aerial and Satellite Imagery	Project Report- I	Geoethics (Professional Ethics)	Elective		
	<b>Course Code</b>	SGS-447	SGS-448	SGS-449	SGS-450	SGS-451	-		
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-		
	<b>Sem-7</b>	<b>Elective Course-I (choose one from the following)</b>							
		Advanced Seismology	Advanced Geomagnetic	Advanced Electrical Resistivity	Advanced Gravity	Advanced Electromagnetic Methods	Advanced Remote Sensing Application		
		SGS-452	SGS-453	SGS-454	SGS-455	SGS-455	SGS-456		
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)		
	<b>Sem-8</b> Total 15 Credit Hrs.	<b>Elective Course-I (choose one from the following)</b>							
		Application of Seismograph for data acquisition and Interpretation	Application of Magnetometer for data acquisition and Interpretation	Application of Gravimeter for data acquisition and Interpretation	Application of Electrical Resistivity for data acquisition and Interpretation	Application of Geiger counter for data acquisition and Interpretation.	Application of GPS for data acquisition and Interpretation	Application of Remote sensing and Interpretation	Dissertation
		SGS-458	SGS-459	SGS-460	SGS-461	SGS-462	SGS-463	SGS-464	SGS-465
<b>Course Code</b>		SGS-458	SGS-459	SGS-460	SGS-461	SGS-462	SGS-463	SGS-464	SGS-465
<b>Credit Hrs.</b>		6(6-0)	6(6-0)	6(6-0)	6(6-0)	6(6-0)	6(6-0)	7(7-0)	

**Total Credit Hours: 135**

## Facilities

**Departmental Library:** The Department library is in process to purchase required books well in advanced before commencement of the program. The for the time being student will be given access o relevant book in the Department of Geology next door to Seismology and Geophysical studies which contains more than 2500 textbooks, reference books, geological encyclopedias, etc.

**Laboratory:** The laboratory is well equipped modern equipment which can be used in the field to get data and process it in the modern software to get results.

**Computer Laboratory:** is in process to be established with 35computers, a Laser Printer, a Scanner and a Photocopier. Computers will be having special software for analyzing and process of Geophysical data. All the computers will have connection with the main network of the University and internet. A large number of international research journals will be made available on the Digital Literary provided by the Higher Education Commission, where students can download research articles of their interests.

**GIS lab:** GIS lab will established in the Department to get high resolution images through various satellite. Special and temporal images will be sough through remote sensing techniques.



# Environmental Science

## Program(s)

BS (Environmental Science)

## Eligibility

F.Sc. or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Environmental science is an interdisciplinary field of research that focuses on the physical and biological surroundings in which all living organisms exist. It relies on a range of sciences including anthropology, biology, chemistry, climatology, ecology, engineering, geography, geology and physics. One of the main objectives of this class is to understand the science behind the processes and principles that govern our natural environment. We will examine the impacts that human activities have on the environment and explore solutions to many of our environmental problems. We will also focus on understanding environmental processes; discover links between organisms water, atmosphere, and land systems; learn how to properly manage and restore ecosystems; and explore ways to move towards a sustainable planet.

The mechanisms behind climate change, learn how to support and preserve biodiversity, learn about approaches to sustainably manage Earth's resources, explore the benefits of using renewable energy (biofuel, geothermal, solar, tidal, waste, wind) versus nonrenewable energy (coal, natural gas, nuclear, petroleum) and examine projects around the world that seek to restore and maintain healthy ecosystems. Several of the topics that we cover in class include: aquaculture, agriculture, air pollution, biodiversity, biofuels, climate change, coal, ecology, engineered crops, environmental policy, evolution, fisheries, fossil fuels, livestock, mining, nonrenewable energy, nuclear power, nutrient cycling, ocean acidification, petroleum, population growth, renewable energy, Superfund sites, sustainability, urbanization, waste management and water pollution.





## Objectives

- recognize the interconnectedness of multiple factors in environmental challenges
- engage constructively with diverse forms of knowledge and experience
- identify the multiple scales, actors, and stakes of an issue
- recognize and apply methodological approaches of the social sciences, natural sciences, and humanities
- identify assumptions inherent in arguments and perspectives
- evaluate and interpret various forms of evidence, including text, data, and other media about the environment
- work productively with those within and beyond the academy on interdisciplinary collaborative projects
- communicate clearly and competently matters of environmental concern and understanding to a variety of audiences in appropriate forms

## Vocational Job Opportunities/ Marketability of Graduates

- Environmental consultant and Management and Business Field
- Education Sector
- Engineering Sector
- Government Sector
- Public/ Private Sector
- NGOs Sector

## Faculty

S.#	Name	Designation	Qualification
1	Prof. Dr. Zahoor Ahmed Bazai	Professor/Chairperson	Ph.D

## SEMESTER BREAKUP

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Introduction to Environmental Science	Biology-I	Basic Chemistry	Mathematics	English-I	Pakistan Studies
	<b>Course Code</b>	ES 601	ZOOL 601	CHEM 601	MATH 601	ENG 601	PAKS 601
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	2(2-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	Introduction to Earth Sciences	Biology-II	Statistics	Sociology/Ant hropology	English-II	Islamic Studies / Ethics
	<b>Course Code</b>	ES 602	ZOOL 602	STATS 601	SOC 601	ENG 602	ISL 601
<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(1-2)	3(3-0)	3(2-1)	2(2-1)	
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Introduction to Computer	Environmental Chemistry	Environmental Physics	Introductory Economics	English-III	Philosophy
	<b>Course Code</b>	CS 601	ES 603	ES 604	ECO 601	ENG 603	PS 601
	<b>Credit Hrs.</b>	3(2-1)	3(3-0)	3(2-1)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	Fundamentals of Ecology	Environmental Microbiology	Environmental Pollution	Climatology	Psychology	English-IV
	<b>Course Code</b>	ES 605	ES 606	ES 607	ES 608	PSY 601	ENG 604
<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Applied Ecology	Environmental Toxicology	Environmental Profile of Pakistan	Population and Environment	Analytical Techniques in Environmental Sciences	ELECTIVE-I
	<b>Course Code</b>	ES 609	ES 610	ES 611	ES 612	ES 613	ES
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(3-0)	3(3-0)	3(2-1)	3(3-0)
	<b>Sem-6</b> Total 18 Credit Hrs.	Environmental Economics	Geographic Information System and Remote Sensing	Environmental Management Systems	Biodiversity and Conservation	Environmental Monitoring	ELECTIVE-II
	<b>Course Code</b>	ES 614	ES 615	ES 617	ES 618	ES 619	ES
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(3-0)	3(2-1)	3(2-1)	3(3-0)

Year 3	<b>Sem-7</b> Total 18 Credit Hrs.	Climate Change	Environmental Impact Assessment	Natural Resource Management	Research Methods in Environmental Science	ELECTIVE-III	ELECTIVE-IV
	<b>Course Code</b>	ES 619	ES 620	ES 621	ES 622	ES	ES
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 12 Credit Hrs.	Environmental Governance	Public Health and Environment	Pollution Control Technologies	Final Year Project/Internship	-	-
	<b>Course Code</b>	ES 623	ES 624	ES 625	-	-	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(2-1)	3(3-0)	-	-

**Total Credit Hours: 136**

Elective Courses			
Biology-I	Basic Chemistry	Biology-II	Sociology / Anthropology
ZOOL 601	CHEM 601	ZOOL 602	SOC 601
3 (2-1)	3 (2-1)	3 (2-1)	3 (3-0)
Introductory Economics	Philosophy	Psychology	-
ECO 601	PS 601	PSY 601	-
3 (3-0)	3 (3-0)	3 (3-0)	-

## Facilities

**Departmental Library:** The Department library is in process to purchase required books well in advanced before commencement of the program. The for the time being student will be given access to relevant book in the Department of Geology next door to Seismology and Geophysical studies which contains more than 2500 textbooks, reference books, geological encyclopedias, etc.





2020

## Faculty of Education & Humanities

- ▶ Institute of Education & Research (IER)
- ▶ Gender Development Studies
- ▶ History
- ▶ Islamic Studies
- ▶ Media Studies
- ▶ Philosophy
- ▶ Psychology
- ▶ Fine Arts
- ▶ Archaeology

# Institute of Education & Research

## Program(s)

- B.Ed (Hons) Elementary 4 years

## Eligibility

- Intermediate or its Equivalent/ADE (Age Limit 17 to 23 years)

## Duration

(08 semesters)

Full time

## Entry

Semester-1

B.Ed (hons) 4 years (Semester-1 for Intermediates & Semester-5<sup>th</sup> for ADE Qualified Students)

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction:

The discipline of education is a foundation subject in social sciences crucially contributing towards the national development. Education is concerned with human resource development for efficient functioning of educational system. It is founded on scientific study of human behavior including teacher and students and the functioning of educational organizations at all levels. It covers all aspects of educational system from academic performance to zeal and motivation among teachers and students. Education is inter-disciplinary in its nature and has concern with human psychology, organizational behavior, leadership, economics of education, testing and measuring the performance of individual and institutions. Discipline of education is eligible to develop a boarder perspective among its students to prepare them for leadership roles to bring about positive social change in the educational institutions and society.

The Department education started Master of Education (M.Ed) program in 1976 to extend opportunities for an advance degree in the discipline of Education. Similarly one year M.Ed, and B.Ed Evening program on Self-Finance were launched in 1999 and Master of Arts in Education (M.A Education) Program of studies was introduced in 2005 to provide pre-Service teacher Education and



training. The new Program ADE/ B.Ed (Hons) was introduced by the support of USAID & Pre-STEP in 2011.

The Department of Education was upgraded as Institute of Education and Research (IER) in 2015. The institute comprises three broad Departments. The institute has revised and updated programs for B.Ed, B.Ed (H) & M.Ed and different specializations has been initiated in M.Ed Program.

### Objectives

- To develop professional teachers, educationists, researchers and practitioners with profound theoretical knowledge and understanding, combined with practical skills, competencies and commitment to educate and teach.
- To inculcate the skills and attitudes of enquiry and seek the research based knowledge and with a view to improve teaching and learning in schools of the public and private sectors.
- Development of modern teaching skills and techniques

### Faculty

S.#	Name	Designation	Qualification
1	Dr. Sajida Naureen	Associate Professor/ Director	Ph.D
2	Dr. Abdul Nasir Kiazai	Assistant Professor/Incharge Chairperson, Department of Physical Education	Ph.D
3	Ms. Bushra Batool	Lecturer/Incharge Chairperson, Department of Education	M.Phil
4	Mr. Abdul Qadoos	Lecturer/Incharge Chairperson, Department of Higher Education	M.Phil
5	Ms. Khalida Panezai	Lecturer/Incharge Chairperson, Department of Special Education	M.Ed/M.Sc.
6	Mr. Ashraf Nasir	Lecturer	M.A Education
7	Mr. Abdul Wahab	Lecturer	M.Phil
8	Ms. Nadia Ali	Lecturer	M.Phil
9	Ms. Shumaila Dad	Lecturer	M.Phil
10	Ms. Zahida Achakzai	Lecturer	M.Phil

### SEMESTER BREAKUP B.Ed (Hons) 4 Years

SEMESTER BREAKUP B.Ed (Hons) 4 Years							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Functional English- I	Islamic Studies/ Ethics	Child Development	Urdu/ Regional Languages	General Science	General Methods of Teaching
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	English –II (Communication Skills)	Computer Literacy	Classroom Management	General mathematics	Pakistan Studies	Method of Teaching Islamic Studies
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 2	<b>Sem-3</b> Total 17 Credit Hrs.	Teaching Literacy Skills	Arts, Crafts and Calligraphy	Teaching of Urdu/regional Languages	Teaching of G. Science	Instructional and Communication Technology ( ICT) in Education	Teaching Practice
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)	3(3-0)
	<b>Sem-4</b> Total 17 Credit Hrs.	Classroom Assessment	Teaching Of English	Teaching Of Mathematics	School, Community and Teacher	Teaching of Social Studies	Teaching practice
	<b>Course Code</b>						
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(2-1)	2(2-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	English-III (Technical Writing & Presentation Skills)	Foundations of Education	Content Course-I (from selected Discipline-I)	Content Course-I (from selected Discipline-II)	Curriculum Development	Educational Psychology
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Contemporary Issues and Trends in Education	Content Course-II ( from selected Discipline-I)	Content Course-II (from selected Discipline-II)	Comparative Education	Introduction to Guidance and Counseling	-
	<b>Course Code</b>						-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-	

Year 4	<b>Sem-7</b> Total 18 Credit Hrs.	Content Course-III (from selected Discipline-I)	Content Course-III ( from selected Discipline-II)	Pedagogy-I ( Methods of Teaching related Specialization -I)	Pedagogy-II ( Methods of Teaching related Specialization- II)	Research Methods in Education	Teaching Practice
	<b>Course Code</b>						
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	School Management	Test Development and Evaluation	Teaching Practice	Research Project	-	-
	<b>Course Code</b>					-	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	6(6-0)	3(3-0)	-	-	

**Total Credit Hours: 134**

## Facilities

**Computer Laboratory:** Institute has well established computer laboratory equipped with Multimedia, 12 latest version computers (Core i5), 11 Laptop Trolley connected with Internet, printers and IWB, which can be used by research scholars and faculty.

**Departmental Library:** The Institute Library is managed by a qualified librarian and has over 5000 Books covering a wide range of disciplines in Education for teaching and research purposes. The Institute Library also possesses research journals of social sciences like, Balochistan studies Journal, PJR Punjab Journal Review and Sindh University Journal Review.

**Internet Facility:** The internet facility is available. A large number of international research Journals are also available on Digital Library provided by Higher Education Commission (HEC) and research article of interest can also be down loaded.

**Committee Room:** A Committee room equipped with all the modern facilities Including slides, overhead projector, multimedia, IWB. and computer connected with internet and printer.

**Security Measures:** The institute as taken serious action regarding security measures, the whole Institute critical openings are grilled for the security purpose and fixed the grills on all windows and opening doors, and also fixed the 04 security cameras in all corridors.

**Science Laboratory:** The Science Laboratory of the Institute has essential equipment and apparatus for practical work in the science subjects at secondary level.

**Instructional Aids:** Computers, Printers, Multimedia, OHPs, Screens, Photocopier, Laptops, Cameras, Scanner, IWB (Interactive White Board), Wi-Fi Router, USB & Hard Drive.



# Gender & Development Studies

## Program(s)

BS (Gender & Development Studies)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Gender and Development Studies aims at creating gender awareness and recognizing women's lived experiences and ambitions by placing them at the centre of social inquiry. It seeks social justice for the marginalized sections of the society and advocates for their human rights. Students in Gender Studies are expected to engage in the production of knowledge that emerges from feminist critique of social, cultural and institutional structures that promote patriarchy and disempower women and other genders. It comprehends that the global and transnational understanding of women's situation is essential to promote interconnections between women at all levels. It considers that development in Pakistan would occur in general and particularly for women when all genders are mobilized in the change-making effort. It includes women's contributions to knowledge in various fields, society's approaches and efforts towards understanding the status of women and strategies for empowering them. It highlights both the need for specialized academic degree awarding studies in gender and development, and the integration of gender analysis and mainstreaming gender in University of Balochistan's other fields of study.





## Objectives

- Critically analyze the social construction of gender and apply this understanding to deconstruct gender inequality and patriarchy;
- Create an academic culture valuing the experiences and contributions of women by exploring and documenting women's historic roles;
- Build a body of knowledge based on invisible or undiscovered lives of women;
- Promote women's human rights through sensitizing and engaging men;
- Strengthen students' ability to critique traditional theories and methods of knowledge by applying feminist concepts and gender studies scholarship;
- Create strategies for empowering women and other marginal genders in their struggle against inequality and oppression and for their effective participation in all areas of society and development.

## Job Opportunities

- Public & Private (educational and research institutes)
- (NGOs,
- INGOs,
- UN agencies.

## Faculty

S. #	Name	Designation	Qualification
1	Ms. Nasreen Samar	Assistant Professor/ Chairperson	M.Phil
2	Mr. Aurangzaib Alizai	Assistant Professor	M.Phil
3	Dr. Shahida Habib Alizai	Assistant Professor	Ph.D.
4	Dr. Rubeena Batool	Lecturer	Ph.D
5	Mr. Shah Khalid Baloch	Lecturer	M.Phil
6	Mr. Muhib Ullah	Lecturer	M.Phil
7	Ms. Farzana Siddique	Lecturer	MA
8	Syed Nadeem Ahmed	Lecturer	M.Sc. GDS

## SEMESTER BREAKUP

Year 1	Sem-1 Total 17 Credit Hrs.	English-I (C)	Pakistan Studies (C)	Mathematics-I (C)	Introduction to Sociology (General-I)	Introduction to Political Science (General-II)	Introduction to Gender Studies (F)
	<b>Course Code</b>	GDS-501	GDS-502	GDS-503	GDS-504	GDS-505	GDS-506
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
Year 1	Sem-2 Total 17 Credit Hrs.	English-II (C)	Islamic Studies/ Ethics (C)	Statistics-I (C)	Introduction to Psychology (General-III)	Introduction to Anthropology (General-IV)	Social Construction of Gender (F)
	<b>Course Code</b>	GDS-507	GDS-508	GDS-509	GDS-510	GDS-511	GDS-512
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 2	Sem-3 Total 18 Credit Hrs.	English-III (C)	Introduction to Computer (C)	Introduction to Economics (General-V)	Introduction to Law (General-VI)	Feminist Movements and Theories (F)	Gender and Religions (F)
	<b>Course Code</b>	GDS-513	GDS-514	GDS-515	GDS-516	GDS-517	GDS-518
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
Year 2	Sem-4 Total 15 Credit	Functional	Introduction to	Introduction	Women's	Gender and	Active Citizens

<b>Hrs.</b>	English (C)	Education (General-VII)	to Media and Journalism (General-VIII)	History in South Asia (F)	Islam (F)	
<b>Course Code</b>	GDS-519	GDS-520	GDS-521	GDS-522	GDS-523	Non Credit
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-

<b>Year 3</b>	<b>Sem-5</b> Total 18 Credit Hrs.	Gender and Psychology (M)	Gender and Development (M)	Role and Status of Women in Balochistan (M)	Social Research Methods (F)	Gender and Health (F)	Gender, Technology and Entrepreneurship (M)	Social Action Project (SAP)
	<b>Course Code</b>	GDS-601	GDS-602	GDS-603	GDS-604	GDS-605	GDS-606	Non Credit
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-6</b> Total 15 Credit Hrs.	Gender and Human Rights (F)	Gender and Development in Pakistan (F)	Feminist Research Methods (M)	Gender and Politics (M)	Gender and Rural Development (M)	-	-
	<b>Course Code</b>	GDS-607	GDS-608	GDS-609	GDS-610	GDS-611	-	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-	-

<b>Year 4</b>	<b>Sem-7</b> Total 15 Credit Hrs.	Gender Based Violence (M)	Gender, Law and Human Rights in Pakistan (M)	Internship (M)	Elective-I (E)	Elective-II (E)
	<b>Course Code</b>	GDS-612	GDS-613	GDS-614	GDS-615	GDS-616
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(0-3)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 18 Credit Hrs.	Gender and Media (M)	Research Project/Thesis (M)	Gender and Education (M)	Elective-III (E)	Elective-IV (E)
	<b>Course Code</b>	GDS-617	GDS-618	GDS-619	GDS-620	GDS-621
	<b>Credit Hrs.</b>	3(3-0)	6(0-6)	3(3-0)	3(3-0)	3(3-0)

<b>Elective Courses</b>			
Social Construction of Masculinities and Femininities	Contemporary Sociological Theories	Gender, Peace, Security and Conflict	Gender and Literature
3(3-0)	3(3-0)	3(3-0)	3(3-0)
Gender and Development Planning in Pakistan	Gender and Art	Gender and Disaster Management	Gender and Work
3(3-0)	3(3-0)	3(3-0)	3(3-0)
Gender and Environment	Gender and Social Policy	-	-
3(3-0)	3(3-0)	-	-

### Facilities

Departmental library is equipped with latest and relevant books on the subject. The department has a seminar room, audio visual system along with number of documentaries. It has an equipped computer lab which is connected with internet and has access to central library, University of Balochistan as well as to the library of Higher Education of Pakistan.

# History

## Program(s)

BS (History)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

History is the study of the past based on finding, evolution, and interpretation recorded evidence. It is a discipline that seeks both to understand the past in its own term and to explain the present in light of the past for the future guidance. History fields are usually defined by period, place, and theme. To know history is to know what people did in the past and why: to simply put, history concern everything that exist or has existed. Students of history learn how to ask pertinent questions to society and to find answer through research and logical thought. Individually as well collectively, they also became able to know how to utilize past experiences better future planning.

The department of history, university of Balochistan was established in the year March, 1987. In the first batch M.A programs was delivered. The department has developed cadres of high motivated human resource who are serving in the various public and private sector organization and institutions. Department has now adequately expanded its profile while initiating M.Phil and Ph.D programs. The department now established BS program in History. The course has been approved in Academic conceal meeting.

## Objectives

- To provide qualified and focused in History to meet the future of educational institutes & research organizations.
- To provide educational program this encourages student to think creatively, constructively and to communicate their ideas effectively.



## Job Opportunities

- Educational, Research & Teaching Institutions.
- Government Service,
- Civil Service,
- Foreign Service,
- Law, International Organizations.

## Faculty

S.#	Name	Designation	Qualification
1	Prof. Dr. Saeeda Mengal	Professor/ Chairperson/ Dean, Faculty of Education & Humanities	Ph.D.
2	Prof. Dr. Kaleemullah Bareach	Professor	Ph.D.
3	Mr. Muhammad Asif Khan Kakar	Lecturer/ Coordinator	M.Phil
4	Mr. Muhammad Javed Sarparah	Lecturer	M.Phil
5	Mr. Muhammad Asif	Lecturer	M.Phil
6	Mr. Aziz Ahmed	Lecturer	M.Phil
7	Mr. Muhammad Tariq	Lecturer	M.Phil
8	Mr. Muhammad Ali	Lecture	M.A

## SEMESTER BREAKUP

Year 1	Sem-1 Total 15 Credit Hrs.	Introductio n to History	English-I	Islamic Studies	Islamic History 570- 661	Communicati on Skills	Introduction to Sociology
	<b>Course Code</b>	HIS-600	ENG-601	IS-601	HIS-610	ENG-604	SOCIO-601
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	2(2-0)	3(3-0)	1(1-0)	3(3-0)
	Sem-2 Total 15 Credit Hrs.	English-II	Pakistan Studies	History of Umayyad's (661-750 )	Muslims In India ( 711- 1526)	Pre Khanate Period of Balochistan	Communicati on Skills
	<b>Course Code</b>	ENG-602	PSC-601	HIS-606	HIS-607	HIS-608	ENG-605
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	1(1-0)	

Year 2	Sem-3 Total 18 Credit Hrs.	English-III	Math/Statistic	History Of Europe (1453- 1789)	Historiograph y	Muslims In South Asia 1526-1707	Khanate period of Balochistan
	<b>Course Code</b>	ENG-603	MATH-601	HIS-619	HIS-601	HIS-609	HIS-604
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	Sem-4 Total 18 Credit Hrs.	Philosophy of History	Regional Languages	History Of Europe 1789- 1890	History of Abbasside 750-1258	British Balochistan	Muslims in South Asia 1707-1857
	<b>Course Code</b>	HIS-603	LANG-601	HIS-603	HIS-611	HIS-612	HIS-613
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	Sem-5 Total 15 Credit Hrs.	International Relations & Organization	History of Freedom Movement (1857- 1947)	Intellectual History of Muslims of South Asia	Muslims in Spain ( 755-1492)	Introduction to Balochi/ Brahui/ Pashto literature
	<b>Course Code</b>	IR-601	HIS-614	HIS-620	HIS-621	LANG-602
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(0-3)	3(3-0)	3(3-0)
	Sem-6 Total 15 Credit Hrs.	Research Methodology	History of Pakistan ( 1947- 1971)	History of Muslims Social and Political Thoughts	History of Europe ( 1891- 1945)	History of Sufism
	<b>Course Code</b>	HIS:615	HIS:616	HIS:622	HIS:623	HIS:624
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 4	<b>Sem-7</b> Total 18 Credit Hrs.	History of Pakistan (1971-2013)	History of U.S.A	Personalities & Institution in Balochistan Seminar Course	History of Afghanistan (1747-1933)	History of Ancient India	Regional Organization s	Students having CGPA of 3.00 can opt for thesis
	<b>Course Code</b>	HIS:618	HIS:625	HIS:626	HIS:627	HIS:628	IR-602	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-
	<b>Sem-8</b> Total 18 Credit Hrs.	New Trends in History	Contempora ry World History	Principle and Method of Archeology	History of Modern World Muslims (1919-1945)	Foreign Policy of Pakistan	Gender Studies	Thesis opt
	<b>Course Code</b>	HIS:629	HIS:630	ARCH-601	HIS:631	PSC-602	GDS-601	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	6(6-0)
Non-credit Viva voce is compulsory to pass								



# Islamic Studies

## Program(s)

BS (Islamic Studies)

## Eligibility

- Intermediate or its Equivalent
- Intermediate from Wifaq-ul-Madaris with Equivalence certificate

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

This department was established in 1973 by Prof. Dr. Rashid Ahmed Jallandhury (Late), was the first chairperson of the department. Due to shortage of space in the University Campus, Islamic Studies Department started functioning in Government Science College Quetta. In the Beginning, classes used to be held in the evening with the support of part-time teachers. In 1980, Prof. Dr. Rashid Ahmed Jallandhury took the charge of the department as chairman. In 1981, the department was shifted to the University Campus.

## Objectives

- To provide qualified and focused professionals in Islamic studies to meet the future needs of educational institutes.
- To provide learning in depth knowledge in the perspective of global changes and challenges.
- To focus on Islamic values pertaining to socio-political and economic teachings derived from the Quran and the Sunnah.
- To produce scholars of quality who can contribute in solving contemporary issues faced by the Muslims, like interfaith dialogue, interest free banking, State crafts and other contemporary challenge.
- To bridge the gap between islam and other religions by providing an understanding of Islam.
- To create an environment that promotes learning through quality teachings and research while



encouraging mutual respect, tolerance and sensitivity

### Job Opportunities

- Jobs in Educational and research institutes in Pakistan and abroad.
- Civil Service.
- Jobs such as Religious officers, Khatibs etc. in the Armed forces.

### Faculty Members

S.	Name	Designation	Qualification
1	Dr. Sahibzada Baz Muhammad	Lecture/ Incharge Chairperson	Ph.D
2	Dr. Abdul Ali Achakzai	Professor	Ph.D
3	Mr. Rehmatullah	Assistant Professor	M.Phil
4	Mrs. Farah Batool	Lecturer	M.Phil
5	Mrs. Shabana Qazi	Lecturer	M.Phil
6	Mrs. Tahira Firdous	Lecturer	M.Phil

SEMESTER BREAKUP								
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Intermediate English-1	English-1	Pakistan Studies	Math/ Stat-1	General Course-1	General Course-2	Introduction of Topics of Holy Qur'an- (F-1)
	<b>Course Code</b>	ISL-601	ISL-602	ISL-603	ISL-604	ISL-605	ISL-606	ISL-607
	<b>Credit Hrs.</b>	Non Credit	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 18 Credit Hrs.	Intermediate English -2	English-2	Islamic Studies/ Ethics (Compulsory)	Math /stat - 11/ University optional	General course-3	General Course -4	Arabic language-1 (F-2)
	<b>Course Code</b>	ISL-608	ISL-609	ISL-610	ISL-611	ISL-612	ISL-613	ISL-614
<b>Credit Hrs.</b>	Non Credit	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 2	<b>Sem-3</b> Total 15 Credit Hrs.	Intermediate Pak Study	English -3	Introduction to Computer	<b>General-5</b>	<b>General-6</b>	Ulum- al- Qur'an(F-3)
	<b>Course Code</b>	ISL-615	ISL-616	ISL-617	ISL-618	ISL-619	ISL-620
	<b>Credit Hrs.</b>	Non Credit	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	English-4/ University Optional	General-7	General-8	History & Compilation of Hadith (F-4)	Arabic language-II(F- 5)	History of Fiqh (F-6)
	<b>Course Code</b>	ISL-621	ISL-622	ISL-623	ISL-624	ISL-625	ISL-626
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 15 Credit Hrs.	Study of Sirah of Holy Prophet (PBUH) (F-7)	History of Tafsir and its Principles (F-8)	Textual Study of al-Qur'an-1 (M- 1)	Textual Study of Hadith-1 (M-3)	Study of Islamic Fiqh-1 (F-9)	-
	<b>Course Code</b>	ISL-627	ISL-628	ISL-629	ISL-630	ISL-631	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-
	<b>Sem-6</b> Total 17 Credit Hrs.	Ulum- al- Hadith (M-4)	Textual Study of Muslim Family Laws (M-5)	Textual Study of al- Qur'an-2 (M- 2)	Ethics of Disagreement in Islam (M-6)	Comparative Study of World Religions (M-7)	Textual Study of Fiqh al Akbar (M-14)
	<b>Course Code</b>	ISL-632	ISL-633	ISL-634	ISL-635	ISL-636	ISL-637
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)	

Year 4	<b>Sem-5</b> Total 17 Credit Hrs.	Al- Dawah wal Irshad (M-8)	Usul-al-Fiqh (F-10)	Methodology of Research in Islamic Studies (E-1)	History of Islamic Culture and Civilization (M-10)	Study of Islamic Fiqh- 1 (فقه) (الماليات)(E-2)	Study of Islamic Fiqh- 1 (فقه الجنات) (E-3)
	<b>Course Code</b>	ISL-638	ISL-639	ISL-640	ISL-641	ISL-642	ISL-643
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 17 Credit Hrs.	Islamic economics (M-11)	Islamic Morals (E-4)	Philosophy and ilm al- Kalam (E-5)	Thesis / Research Project	-	-
	<b>Course Code</b>	ENG-644	ENG-645	ENG-646	ENG-647	-	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	6(6-0)	-	-

**Total Credit Hours : 133**

Elective Courses				
Methods of Research	(فقه الماليات)	Criminal Law (فقه الجنايات)	Islamic Morals (علم الأخلاق)	Ilm-ul-Kalam (علم الكلام)
Non Credit	Non Credit	Non Credit	3(3-0)	3(3-0)
Objectives of Shari'ah (مقاصد الشريعة)	Study of Selected Commentaries of Hadith	Study of Tasawwuf (مطالعه تصوف)	Islam & Science	-
3(3-0)	3(3-0)	3(3-0)	3(3-0)	-

#### Facilities:

**Departmental Library:** The Library of the Department is managed by a qualified librarian. Though the library has a limited number of books, it fulfills the basic needs of the students. The department is trying to equip the library with all possible facilities.

**Internet Facility:** The internet facility is available in the office of Chairperson. It can be used at any time to get information and knowledge according to the requirements of the faculty members and students.





# Media Studies

## Program(s)

BS (Media Studies)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction:

During the last two decades, Media Studies have been emerged as one of the most important field of the studies. The conventional narratives and rules of Communication and Journalism are most transformed. The subject of Mass Media is a system of inter-related courses, including historical foundation, technological advances, economic dynamics, regulatory constraints, and ethical concerns.

The Department of Media studies (Previously Known as Mass Communication) was established in January 1987 by Dr. Professor Seemi Naghmana Tahir. The Department initiated regular teaching in March 1987 with a small faculty of 3 persons, which has now grown many folds.

The Department of Media Studies offered two Master's Program comprising semesters in Media Studies to cater the needs of Print and Electronic Media industry. Thousands of students graduated from this department since 1989 are performing in different media organization i.e. Radio, Television, Newspaper, Directorate of Public Relations/Public Relations wings of various Provincial and Federal Government Departments, and even some of the



students of media Department, University of Balochistan own their newspapers. Courses offers by the Department cater to the future challenges of the Professional. Print and Electronic media, Social Media, Public Relations, Development Support Communication, Research, Advertising and Magazine Production, Photojournalism are some of the major subjects taught keeping in view the marketability needs of the industry.

**Objectives:**

- To study contemporary knowledge of communication theories, principles and strategies of communication, to be efficient communicators, media managers, administrators and researchers.
- To seek inspiration from contributions of eminent regional journalists and scholars in the field of journalism and to inculcate professional skills of managing media, reporting, public relations, advertising, development communication, newspaper.
- To demonstrate an understanding of current media technologies and their capabilities, limitations and implications from multiple perspectives, including that of producer, participant and audience.

**Job Opportunities/ Marketability of Graduates:**

- **Print Media:** Newspapers & Magazines (newspapers and magazines in the capacity of reporters, sub-editors, news editors, assistant editors, heads of various editions including web etc.)
- **Electronic Media:** Television & Radio, Production houses, Web, (news reporters, anchors, producer programmes, news and current affairs, translators, sub editors and broadcasters).
- **Public Relations:** Public Relation Officers/managers, information officers, event managers etc. in various public and private sector organizations.
- **Development Sector:** NGO's and Development Agencies.
- **Government Jobs:** Press Information Department, Directorate of Public Relations and other departments.

**Faculty**

S#	Name	Designation	Qualification
1	Dr. Muhammad Fahim Baloch	Assistant Professor/ Chairperson	Ph.D
2	Dr. Babrak Niaz	Assistant Professor	Ph.D
3	Ms. Sadaf Irtaza	Assistant Professor	M.Phil
4	Mr. Suleman Raja	Assistant Professor	M.A
5	Mr. Naseebullah	Assistant Professor	M.A
6	Mr. Imran Khan	Lecturer	M.A
7	Ms. Hasrat Babul	Lecturer	M.A
8	Mr. Zakir Qadir	Lecturer	M.A
9	Mr. Jiyeand Sajadi	Lecturer	M.A
10	Ms. Zile-e-Huma	Lecturer	M.A
11	Mr. Malik Achakzai	Lecturer	M.A
12	Mr. Khalil Kakar	Lecturer	M.Phil

## SEMESTER BREAKUP

Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Introduction to Mass Communication	Mass Media in Balochistan	Functional English	Computer Skills in Mass Communication	University Elective I	Islamic Studies/Ethics
	<b>Course Code</b>	MS-601	MS-602	ENG-601	CS-601	-	IS-601
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	Introduction to Advertising & Public Relations	Reporting	Functional English II	Pakistan Studies	Elementary Mathematics	University Elective II
	<b>Course Code</b>	MS-603	MS-604	ENG-602	PS-601	MATH-601	-
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	2(2-0)	3(3-0)	3(3-0)

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Re-writing & Sub Editing	Communication skills	University Elective III	University Elective IV	Functional Urdu	University Elective V
	<b>Course Code</b>	MS-605	-	-	-	MS-606	-
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	TV Journalism	Media & Society in Pakistan	Photo Journalism	University Elective VI	University Elective VII	University Elective VIII
	<b>Course Code</b>	MS-607	MS-608	MS-609	-	-	-
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	3(3-0)

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Media laws and ethics	Online Journalism	Radio Journalism	National and International Affairs	Media Culture & Society	Magazine Production
	<b>Course Code</b>	MS-610	MS-611	MS-612	-	MS-613	MS-614
	<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(3-0)	3(3-0)	3(2-1)
	<b>Sem-6</b> Total 18 Credit Hrs.	Media & Human Rights	Introduction to Film studies	Development Support Communication	Theories of Mass Communication I	Research Methodology	Opinion Writing
	<b>Course Code</b>	MS-615	MS-616	MS-617	MS-618	MS-619	MS-620
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(2-1)

Year 4	<b>Sem-7</b> Total 18 Credit Hrs.	International communication	Theories of Mass Communication II	Departmental Elective I	Departmental Elective II	Internship
	<b>Course Code</b>	MS-621	MS-622	MS-	MS-	MS-625
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 18 Credit Hrs.	Crisis reporting	Conflict Sensitive Journalism	Thesis	Departmental Elective III	Departmental Elective IV
	<b>Course Code</b>	MS-626	MS-627	MS-628	MS-	MS-
	<b>Credit Hrs.</b>	3(2-1)	3(2-1)	6(6-0)	3(3-0)	3(3-0)

## **Facilities:**

**F.M Radio Station:** Campus Radio Station (F.M 99.6) was established in 2014 with the aim to provide training to the students in the field of broadcast. The F.M station also on air education related programmes and news which are produced and presented by the students of the Department of Media Studies.

**Broadcast Academy:** The Academy was established in collaboration with Internews Pakistan under a linkage programme between Internews and University of Balochistan in 2007. Academy has the capacity of training 16 students in a group providing them recording, editing and mixing techniques on latest technological equipment and sound editing software.

**Television Studio:** The Department has a state of the art television studio equipped with the latest cameras and production tools to give training to the students, the television studio has the capacity of on airing live programmes from its studio.

**Post Production Lab:** We have an editing lab for the students who work on their assignments in the post production phase of video making equipped with latest computers.

**Campus Newspaper:** The Department is launching its own Newspaper which will be run by the students under the supervision of faculty. The newspaper will give coverage to the events taking place in the University. The basic aim of the Newspaper is to give on hand training to the students in the field of print media.

**Lecture rooms:** The Department has four lecture rooms having a maximum capacity of 60 students for their theoretical work based on class room teaching. Equipped with digital boards and multimedia apart from white boards.

**Conference Hall:** The Department has a state of the art Conference Hall with a seating capacity of 100 students. It has a digital board, multimedia and sound system.

**Meeting Room:** A meeting room which can accommodate 50 people.

**Electronic & Print Media Labs:** The Department possesses a lab used for electronic and print media practical work.

**Print Production Lab:** To carry out the practical work and produce campus newspaper.

**Archives Room:** Record of newspapers is maintained on daily basis for research work.

**Library:** Facility of library is available in the Department for the students as well as faculty comprising text books and reference books.

## **Future prospects of growth and development of discipline of Media Studies:**

- The department will commence PhD program in Media Studies.
- The department will introduce diploma and short courses in near future.
- The department will be planning to introduce Performing Arts as a new subject for the students.



# Philosophy

## Program(s)

BS (Philosophy)

## Eligibility

Intermediate or Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Philosophy is defined as a discipline seeking truth and quest for exploring new questions and dimensions of knowledge. The Study of Philosophy is essential for the understanding of the history of ideas, cultures, religions, civilizations, and sciences, and the history of cultures. Socrates said, "The unexamined life is not worth living". He could not be more right. An examined life will be all the better for it. Philosophy deals with the truth behind entire human experience and knowledge.

Philosophy provides a transferable skill, one that can be used in many walks of life. It provides training in thinking rationally. It gives a general training in thinking and writing clearly. It also provides help in problem solving, and in thinking critically. Both ethics and logic are part of philosophy, and most people will face significant ethical questions in the course of their work and would do better in their work if they thought logically.

The Department of Philosophy was established in the year 1987 by Dr. Saeed Ahmed Rafiq as its first Chairman. It offers Masters Degree program of 2 years.

## Objectives

- To create an environment of critical thinking,



dialogue, questioning and writing as tools for creating qualified and focused professionals in the domain of Philosophy so that to meet the future needs of educational institutes and industries of public and private sectors.

- To provide educational programs which encourage students to think creatively, carry out research assignments, and to communicate their ideas effectively.

### Vocational Job Opportunities/ Marketability of Graduates

- Instructors in philosophy at colleges and universities.
- Curriculum development and instruction in Civic Education, Human Rights Education and professional ethics for both relevant institutions of the public sector (e.g. Ministry of Education, Ministry of Youth, Sport and Culture, federal Police Commission; etc) and Non Governmental Organizations.
- Civil Service (researchers and advisers for parliamentarian and parliamentary committees).
- Social Work Departments.
- NGOs (work in the areas of demoralization and governance environment and development, and peace)
- Journalism and Publishing.

### Faculty

S.#	Name	Designation	Qualification
1	Prof. Dr. Malik Muhammad Tariq	Professor/ Dean Research (Arts)/ Chairperson	Ph.D
2	Mr. Hamid Hassan Khan	Assistant Professor	M.A
3	Mr. Sakim Ali	Lecturer	M.A
4	Ms. Zahra Fareed	Lecturer	M.A
5	Ms. Shehnaz	Lecturer	M.A

### SEMESTER BREAKUP

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Functional English (English-I)-	Pak Studies	Introduction to Computers	General Course –I	General Course –II	Introduction to Philosophy
	<b>Course Code</b>	ENG-601	PST-601	COM-601	-	-	PHIL-601
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	Writing & Presentation Skill (English-II)-	Islamic Studies / Ethics -	Mathematics	General Course –III	General Course –IV	Early Greek Philosophy
	<b>Course Code</b>	ENG-602	ISE-601	MATH-601	-	-	PHIL-602
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Communication Skill (English-III)-	Statistics	General Course –V	General Course –VI	Later Greek Philosophy	Classical Muslim Schools of Thought
	<b>Course Code</b>	ENG-603	STAT-601	-	-	PHIL-603	PHIL-604
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	Language (Farsi, Arabic, Greek, Latin, French, German)	General Course –VII	General Course –VIII	Introduction to Logic	Medieval and Early Modern Western Philosophy	Introduction to Ethics
	<b>Course Code</b>	LING-601	-	-	PHIL-605	PHIL-606	PHIL-607
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Metaphysics	Epistemology	Political Philosophy	Classical Muslim Thinkers	Early Modern Western Philosophy	Elective
	<b>Course Code</b>	PHIL-608	PHIL-609	PHIL-610	PHIL-611	PHIL-612	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Later Modern Western Philosophy	Modern Ethical Theories	Logic	Muslim Thought In Sub-continent	Elective	-
	<b>Course Code</b>	PHIL-618	PHIL-619	PHIL-620	PHIL-621	-	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-	

Year 4	<b>Sem-7</b> Total 18 Credit Hrs.	Pragmatism	Analytical Philosophy	Phenomenology and Existentialism	Contemporary Political Philosophy	Critical Theory: Issues and Debates	Elective
	<b>Course Code</b>	PHIL-627	PHIL-628	PHIL-629	PHIL-630	PHIL-631	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	Post Modern Philosophy	Contemporary Philosophy of Science	Research Work and Presentation	Elective		
	<b>Course Code</b>	PHIL-638	PHIL-639	PHIL-641	-		
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	6(6-0)	3(3-0)			

**Total Credit Hours: 136**

Select any one (01) Elective course Semester-V				
Philosophy of Religion	Writing Philosophy	Philosophy of Education	Philosophy Law	Philosophy History
PHIL-613	PHIL-614	PHIL-615	PHIL-616	PHIL-617
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Select any one (01) Elective course Semester-VI				
Philosophy of Art	Philosophy of Mind	Philosophy of Social Science	Philosophy of Other Science	Philosophy of Science
PHIL-622	PHIL-623	PHIL-624	PHIL-625	PHIL-626
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Select any one (01) Elective course Semester-VII						
Contemporary Moral Philosophy	Feminism Philosophy	Contemporary Analytical Philosophy	Meta Ethical Theories	Classical Chinese Philosophy	Environmental Ethics	Philosophy of Language
PHIL-632	PHIL-633	PHIL-634	PHIL-635	PHIL-636	PHIL-637	PHIL-638
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Select any one (01) Elective course Semester-VIII						
Current Philosophical Issues	Logic and Computability	Philosophical Logic	Current Debates in Muslim Thought	Islamic Modernism	Special Western Philosophers	Special Muslim Philosophers
PHIL-642	PHIL-643	PHIL-644	PHIL-645	PHIL-646	PHIL-647	PHIL-648
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

### Facilities

**Computer Laboratory:** Department has a well-established computer laboratory equipped with latest computers.

**Seminar Library:** The Departmental Library is managed by a qualified librarian and has a collection of books covering a wide range of disciplines in Philosophy history and culture for teaching and research purposes.

**Internet Facility:** The internet facility is available. A large number of international research journals are also available on Digital Library provided by Higher Education Commission and research article of interest can be downloaded.

# Psychology

## Program(s)

BS (Psychology)

## Eligibility

Intermediate or Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

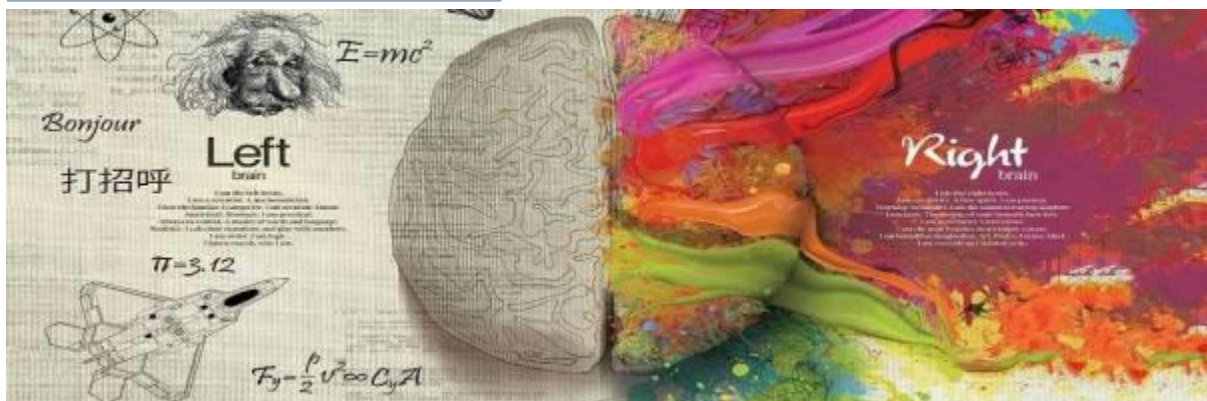
Human nature and personality development, besides attitudes, have always been interesting topics. Psychology, as an emerging social science, presents a great deal of knowledge on these topics. Consequently, today this discipline is acknowledged and employed for the solution of different practical questions in various walks of life.

Psychology not only focuses upon the issues like personality, attitude, learning, perception, Intelligence, Motivation, but also helps an individual in the adjustment of his/ her own environment. Psychologists positively help the society at large to resolve the social issues like violence, discrimination, terrorism, crimes, etc.

Psychology belongs to that category of Social Sciences which are the sciences concerned with the people in the society. Psychology is an empirical study of human mind and behavior as such it touches every person. Knowledge of Psychology is therefore important in every human endeavor.

It exercises an influence on the understanding and progression of other social sciences like Economics, Business, Human Resource, Administration and Social Work.

The Department of Psychology was established in 1989 with introduction of various teaching program, Masters in Psychology, started in 1990, however, M.Phil. In Psychology got initiated in 2013. Psychology department also launched its Ph.D. program from 2017. And now BS (4 years Program) in Psychology will be launched in the coming session.





## Objectives

- To create awareness about the field of Psychology and its application in daily personal, professional and academic sphere of life.
- To provide qualified psychology graduates who can help to improve the suffering of catastrophic effects in the province.
- To provide capacity building services, various public and private organizations in Mental Health related issues.
- To contribute awareness of community on various psychological issues through conducting workshops/seminars.
- To provide qualified and focused professionals in psychology to meet the future needs of educational institutes or industry.
- To foster and environment that promotes learning through quality and research while encouraging mutual respect, tolerance and sensitivity.
- To prepare researchers to meet the needs of industry and research organizations, science and technology.

## Job Opportunities

- Education and Research Institutes
- Hospitals / Clinical Settings
- Armed Forces
- Public / Private Industrial Sector
- LNGOs / INGOs

## Faculty

S.#	Name	Designation	Qualification
1	Prof. Dr. Muhammad Azam Tahir	Professor/ Chairperson	Ph.D
2	Dr. Saima Ambreen	Assistant Professor	Ph.D
3	Mr. Aziz Ud Din Agha	Assistant Professor	M.Phil
4	Ms. Mehreen Siddique	Lecturer	M.Phil
5	Ms. Sara Mahmood Durrani	Lecturer	MS
6	Ms. Samreena Rose	Lecturer	M.Phil
7	Ms. Nasreen Ali	Lecturer	M.A
8	Ms. Hani Ahmed	Lecturer	M.A
9	Mr. Shahid Ali	Lecturer	M.A

SEMESTER BREAKUP								
Year 1	<b>Sem-1</b> Total 16 Credit Hrs.	English-I	Pakistan Studies	Mathematics	General Education Course-I	General Education Course-II	Introduction to Psychology (F)	-
	<b>Course Code</b>	ENG-601	-	-	-	PSY-601	-	-
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-
	<b>Sem-2</b> Total 18 Credit Hrs.	English-II	Islamic Studies / Ethics	Introduction to Computers	Applied Areas of Psychology (F)	Schools and Perspective in Psychology (F)	General Education Course-III	General Education Course-IV
	<b>Course Code</b>	ENG-602	ISL-601	CS-601	PSY-602	PSY-603	-	-
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	2(2-0)	2(2-0)	3(3-0)	3(3-0)

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Communication Skills (Eng-III)	Experimental Psychology (F)	Biology	General Education Course-V	General Education Course-VI	Social Psychology (F)
	<b>Course Code</b>	ENG-603	PSY-604	-	-	-	PSY-605
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	Language (any UN language)	General Education Course-VII	General Education Course-VIII	Theories of Personality (F)	Ethical Issues in Psychology (F)	Biological basis of Behavior (F)
	<b>Course Code</b>	-	-	-	PSY-606	PSY-607	PSY-608
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	Psychopathology (F)	Psychological Assessment (F)	Cognitive Psychology (Maj)	Practicals in Psychology (F)	Research Methods - I (Maj)	Statistics in Psychology (Maj)
	<b>Course Code</b>	PSY-609	PSY-610	PSY-611	PSY-613	PSY-614	PSY-615
	<b>Credit Hrs.</b>	3(3-0)	4(3-1)	3(3-0)	2(2-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Research Methods-II (Maj)	Developmental Psychology (Maj)	Data Analysis in Psychology (Maj)	Gender Issues in Psychology (Maj)	Health Psychology (Maj)	-
	<b>Course Code</b>	PSY-616	PSY-617	PSY-618	PSY-619	PSY-620	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-	

Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	Environmental Psychology (Maj)	Positive Psychology (Maj)	Elective-I	Elective-II	*Active Citizenship/Voluntary work/Community work (F)	Cross Cultural Psychology (Maj)
	<b>Course Code</b>	PSY-621	PSY-622	PSY-6XX**	PSY-6XX**	PSY-612	PSY-623
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	MANDATORY	3(3-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	Peace Psychology (Maj)	Elective-III	Elective-IV	Research Thesis (Maj)	-	-
	<b>Course Code</b>	PSY-624	PSY-6XX**	PSY-6XX**	PSY-625	-	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	6(6-0)	-	-	

**Total Credit Hours: 133**

### Facilities

**Experimental Laboratory:** The Department of Psychology has a laboratory, equipped with required stuff and relevant staff.

**Departmental Library:** The Departmental Library has over 600 books which cover wide range of themes in psychology for teaching and research purpose. The library is managed by a qualified and professional librarian.



# Fine Arts

## Program(s)

BS (Fine Arts)

## Eligibility

- F. Sc, F.A Non-Medical or Equivalent
- Qualifying drawing test with at least desirable percentage

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The Bachelor of Fine Arts is a four-year degree program in the Faculty of Arts, blending artistic and professional practice, theory, and research. The degree is offered in the following areas of specialization: Painting, Sculpture, miniature, Film and TV and Graphics arts as well as historical theories of human development through ages.

The Department of fine Arts was Established in march 1984 with four faculty members Mr. jamal shah, Mrs. Faryal Ghouher, Mr.Akram Dost and Mr. Kaleem khan.

The department of Fine Arts is playing very important role in introducing Balochistan heritage and its indigenous art, crafts and architecture. Since the civilization of maher Garh (9000 B.C) is a great source of inspiration for researchers and provide linkage with the other world of art and craft. The department of fine arts is also providing facility to study in depth the culture heritage of balochistan.

## Objectives

- To develop the individual visual intelligence each student brings with them to the School
- To develop in each student a critical awareness and understanding of fine art and its contexts



To provide the intellectual and practical resources to enable each student to realize his or her creative potential as a professional artist

- To produce Art teachers/ good researchers.

### Faculty

S. #	Name	Designation	Qualification
1	Ms. Umbreen Faqir Hussain	Assistant Professor/ Chairperson	MFA
2	Mr. Mohammad Ayub	Assistant Professor	MFA
3	Syed Mubarak shah	Lecturer	MFA
4	Mr. Nisar Ahmed	Lecturer	MFA
5	Mir Jabal	Lecturer	MFA
6	MS. Zil e Huma	Lecturer	MFA
7	Mr. Intekhab Umer	Lecturer	MFA
8	Mir Dostak	Lecturer	MFA
9	Mr. Nidal Sher	Lecturer	MFA

SEMESTER BREAKUP								
Year 1	<b>Sem-1</b> Total 18 Credit Hrs.	Visual Arts	English-I	Pakistan studies	Drawing-I	Design-I	Sculpture-I	Drafting-I
	<b>Course Code</b>	BF-607	ENG-601	ISL-604	BF-608	BF-609	BF-610	BF-611
	<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 18 Credit Hrs.	History of culture	English –II	Islamic studies	Drawing –II	Drafting –II	Sculpture-II	Drafting-II
<b>Course Code</b>	BF-612	ENG-602	PAK-605	BF-613	BF-614	BF-615	BF-616	
<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Art Appreciation	English-III	Drawing-III	Painting-I	Sculpture-III	Printmaking-I	Miniature-I
	<b>Course Code</b>	BF-617	ENG-603	BF-618	BF-619	BF-620	BF-621	BF-622
	<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(2-0)	2(2-0)	2(2-0)	2(2-0)	2(2-0)
	<b>Sem-4</b> Total 17 Credit Hrs.	History of Muslim Art	History of art	Drawing-IV	Painting –II	Sculpture-IV	Printmaking-II	Miniature-II
<b>Course Code</b>	BF-623	BF-624	BF-625	BF-626	BF-627	BF-628	BF-629	
<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(0-2)	3(0-3)	3(0-3)	2(0-2)	3(0-3)	
Year 3	<b>Sem-5</b> Total 15 Credit Hrs.	History of western art	Techniques of painting	Drawing-V	Painting(Major)-III	Sculpture (Major)-V	Miniature (Major)-III	
	<b>Course Code</b>	BF-630	ENG-631	BF-632	BF-633	BF-634	BF-635	
	<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(0-2)	6(0-6)	6(0-6)	6(0-6)	
	<b>Sem-5</b>	Printmaking (Major)-III	Painting-III	Sculpture-V	Miniature-III	Printmaking-III		
	<b>Course Code</b>	BF-636	BF-637	BF-638	BF-639	BF-640		
	<b>Credit Hrs.</b>	6(0-6)	3(0-3)	3(0-3)	3(0-3)	3(0-3)		
<b>Sem-6</b> Total 16 Credit Hrs.	Muslim Architecture	History of western art-II	Drawing –VI	Painting (Major)-IV	Sculpture (Major)-VI	Miniature (Major)-IV		
<b>Course Code</b>	BF-641	ENG-642	BF-643	BF-644	BF-645	BF-646		
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	2(0-2)	6(0-6)	6(0-6)	6(0-6)		

<b>Sem-6</b>	Printmaking (Major) –IV	Painting-IV	Sculpture-VI	Miniature-IV	Printmaking-IV	-
<b>Course Code</b>	BF-647	BF-648	BF-649	BF-650	BF-651	-
<b>Credit Hrs.</b>	6(0-6)	3(0-3)	3(0-3)	3(0-3)	3(0-3)	-

<b>Year 4</b>	<b>Sem-7</b> Total 15 Credit Hrs.	Art in Pakistan	Modern art	Drawing-VII	Painting (Major)–V	Sculpture (Major)-VII	Miniature (Major)–V
	<b>Course Code</b>	BF-652	ENG-653	BF-654	BF-655	BF-656	BF-657
	<b>Credit Hrs.</b>	2(2-0)	2(2-0)	2(0-2)	6(0-6)	6(0-6)	6(0-6)
	<b>Sem-7</b>	Printmaking (Major)-V	Painting-V	Sculpture-VII	Miniature-V	Print making-V	-
	<b>Course Code</b>	BF-658	BF-659	BF-660	BF-661	BF-662	-
	<b>Credit Hrs.</b>	6(0-6)	3(0-3)	3(0-3)	3(0-3)	3(0-3)	-
	<b>Sem-8</b> Total 15 Credit Hrs.	Thesis report & viva vice			Thesis project		
	<b>Course Code</b>	BF-641			BF-644		
	<b>Credit Hrs.</b>	3(3-0)			12(0-12)		

**Total Credit Hours: 132**



# Archaeology

## Program(s)

BS (Archeaeology)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Archaeology is defined as the systematic study of past human life and culture by the examination of remaining material evidence, such as graves, buildings, tools, and pottery.

This course looks at the progression from antiquarian interest to the establishment of archaeology as an academic discipline.

It then considers the methodology of archaeology: what happens before an excavation begins? what happens during an excavation? and what happens after an excavation is finished?

Archaeology is an integration of knowledge of the past and present of mankind, while Archaeology is the study of prehistoric civilization and societies.

The establishment of this department fulfills a long term desire of scholars and intellectuals to which has now been added the demand of Government and NGOs to produce professionals in order to explore save, and preserve relics and archeological sites which are being destroyed by human and natural factors. The University of Balochistan has therefore established the Department of Archaeology to produce trained professionals in Archaeology.

This department is imparting knowledge from academic session, 2019, by introducing the 8-semester BS 4-year program in Archaeology.



## Objectives

- To promote and raise awareness in all aspects of archaeological and historical interest.
- To execute programmes of research, fieldwork and the study of archaeology.
- To survey standing buildings and other features of historical interest with special emphasis on those under threat.
- To undertake research and fieldwork using recognised disciplines and in accordance with the standards and guidance criteria of the Institute of Archaeologists.
- To help protect all sites of historic interest as far as possible.
- To liaise with those involved in providing education and to encourage and provide the fullest of co-operation in the teaching of archaeology to all age groups within our region.
- To participate in the development and promotion of culture and heritage.
- To encourage and promote community involvement in all aspects of archaeology.

## Vocational Job Opportunities/ Marketability of Graduates

- Government Sector
- Private Sector
- Museums.
- Galleries.
- NGOs Sector

## Faculty

S.#	Name	Designation	Qualification
1	Prof. Dr. Saeeda Mengal	Professor/ Chairperson/ Dean, Faculty of Education & Humanities	Ph.D.

## SEMESTER BREAKUP

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	English	Pakistan Studies	Mathematics/ Statistics-I	Introduction to Anthropology	Fundamentals of Geography	Introduction to Archaeology
	<b>Course Code</b>	ENG:601	PS: 601	MATH:601	ATHRO:601	GEO:601	ARCH:601
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	English-II	Islamic Studies/Ethics	Mathematics- II/Univ. Optional	Basic Geology	Introduction to Zoology	Ancient History of South Asia
	<b>Course Code</b>	ENG:602	IST:601	MATH:602	GE:601	ZOO:601	ARCH:602
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 2	<b>Sem-3</b> Total 15 Credit Hrs.	English-III	Introduction to Computer	Fundamentals of Botany	Basic Chemistry	Archaeological Heritage of Pakistan
	<b>Course Code</b>	ENG:603	COM:601	BOT:601	CHE:601	ARCH:603
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 15 Credit Hrs.	English-IV	Computer Applications	Introduction to History	Stone Age of Pakistan	Bronze Age of Pakistan
	<b>Course Code</b>	ENG:604	COM:602	HIS:601	ARCH:604	ARCH:605
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 15 Credit Hrs.	Ancient Religions of Pakistan and India	Field Archaeology	Physical Anthropology	Ancient Civilizations	Indus Civilization
	<b>Course Code</b>	ARCH:606	ARCH:607	ARCH:608	ARCH:609	ARCH:610
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Museums Studies	Tourism in Pakistan	Muslim History of South Asia	Cultural Anthropology	Provincial Cultural Heritage
	<b>Course Code</b>	ARCH:611	ARCH:612	ARCH:613	ARCH:614	ARCH:615
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	Muslim Art (Calligraphy, Painting and Minor Arts & Crafts)	Muslim Architecture of Pakistan and India	Ancient Art and Architecture of Pakistan and India	Numismatics of Pakistan and India	RESEARCH PROJECT/INTERNS HIP
	<b>Course Code</b>	ARCH:616	ARCH:617	ARCH:618	ARCH:619	ARCH:620
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	Pre History of Balochistan	Palaeography and Epigraphy of Pakistan	Archaeological Conservation	Gandhara Civilization	Rock Art of Pakistan
	<b>Course Code</b>	ARCH:621	ARCH:622	ARCH:623	ARCH:624	ARCH:625
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

**Total Credit Hours: 136**

## Facilities

**Departmental Library:** The Department library is in process to purchase required books well in advanced before commencement of the program. The for the time being student will be given access o relevant book in the Department of Geology next door to Seismology and Geophysical studies which contains more than 2500 textbooks, reference books, geological encyclopedias, etc.

**Computer Laboratory:** Department has a well-established computer laboratory equipped with latest computers.





# Research Methodology in Social Sciences

G. Ramesh Babu



2020

## Faculty of Social Sciences

- ▶ International Relations
- ▶ Political Science
- ▶ Social Work
- ▶ Sociology
- ▶ Pakistan Study Center
- ▶ Disaster Management & Development Studies
- ▶ Anthropology

# International Relations

## Program(s)

BS (International Relations)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The Department of International Relations was established in 1984, and offering two years M.A. In International Relations. With the advancement in technology distance has been shrinking and world has gradually become global village. Geo-politics of the medieval ages which was arranged at military balance of power has now emerged as geo-economics influencing the socio-economic as well as political environment of every country. Business and industry has crossed the traditional borders of nation states and multinational corporations are now challenging the sovereignty of states. The power potential of nation is no more restricted to boundaries, it gets directly influence to regional and super powers. Mainly these relations have given birth to the discipline of International Relations. No country in the contemporary time can afford to ignore it. The study of International Relations therefore has assumed a remarkable significance.

## Objectives;

- To provide qualified and focused professionals International Relations to meet the future needs of educational institutes & research organizations.
- To provide educational program which encourage students to think creatively, constructively, and to communicate their



ideas effectively.

- To foster an environment that promotes learning through quality teaching and research which encourage mutual tolerance and sensitivity.
1. To focus regional and international politics so that the graduates of international relations can comprehend to these scenarios.

#### Vocational Job Opportunities/ Marketability of Graduates

- Provincial and Federal Public Services.
- Education/ research institutes at public and private sector.
- Print and Electronic Media.

#### Faculty

S.#	Name	Designation	Qualification
1	Dr. Mir Wais Kasi	Associate Professor/ Chairperson	Ph.D
2	Mr. Muhammad Arif	Assistant Professor	M.Sc IR
3	Mr. Abdul Qadir	Assistant Professor	M.Phil
4	Ms. Faiza Mir	Lecturer	MA IR
5	Dr. Fida Muhammad	Lecturer	Ph.D
6	Mr. Ghulam Dastagir	Lecturer	MA IR



SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	ENGLISH I- (Functional English)	PAKISTAN STUDIES	MATHEMATICS (ALGEBRA)	INTRODUCTION TO INTERNATIONAL RELATIONS	INTRODUCTION TO GEOGRAPHY	INTRODUCTION TO POLITICAL SCIENCE
	<b>Course Code</b>	IR-301	IR-305	IR-308	IR-501	IR-310	IR-502
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 18 Credit Hrs.	ENGLISH II- (Communication Skills)	ISLAMIC STUDIES or ETHICS	STATISTICS	INTRODUCTION TO PHILOSOPHY	INTRODUCTION TO ECONOMICS	CONFLICT MANAGEMENT AND RESOLUTION
	<b>Course Code</b>	IR-302	IR-306/307	IR-309	IR-311	IR-312	IR-501
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 2	<b>Sem-3</b> Total 15 Credit Hrs.	ENGLISH III- (Technical Writing and Presentation Skills)	INTRODUCTION TO COMPUTER SKILLS	INTRODUCTION TO HISTORY	INTRODUCTION TO SOCIOLOGY	GLOBALIZATION AND INTERNATIONAL RELATIONS
	<b>Course Code</b>	IR-303	IR-313	IR-314	IR-315	IR-304
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 15 Credit Hrs.	ENGLISH IV- (Grammar and Composition)	INTRODUCTION TO MASS COMMUNICATION	INTRODUCTION TO PUBLIC ADMINISTRATION	INTERNATIONAL RELATIONS: 1789-1945	GEO-POLITICAL STRUCTURE OF THE WORLD
	<b>Course Code</b>	IR-304	IR-316	IR-317	IR-505	IR-506
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 3	<b>Sem-5</b> Total 15 Credit Hrs.	INTERNATIONAL RELATIONS: 1945-2000	PUBLIC INTERNATIONAL LAW	REGIONAL AND INTERNATIONAL ORGANIZATIONS	FOREIGN POLICY ANALYSIS	INTERNATIONAL POLITICAL ECONOMY	-
	<b>Course Code</b>	IR-507	IR-508	IR-509	IR-510	IR-511	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-
	<b>Sem-6</b> Total 18 Credit Hrs.	RESEARCH METHODOLOGY	POLITICS OF PAKISTAN	FOREIGN POLICY OF PAKISTAN	DEFENCE AND STRATEGIC STUDIES	DIPLOMACY	GOVERNMENTS AND POLITICS OF SOUTH ASIA
	<b>Course Code</b>	IR-512	IR-513	IR-514	IR-515	IR-516	IR-601
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 4	<b>Sem-7</b> Total 18 Credit Hrs.	WEST ASIA AND ARAB WORLD SINCE 1919	COMPARATIVE FOREIGN POLICY OF MAJOR POWERS:US, RUSSIA, CHINA	PRINCIPLES OF INTERNATIONAL RELATIONS	NUCLEARIZATION OF SOUTH ASIA	INTERNATIONAL RELATIONS IN THE NEW MILLENNIUM	INTERNATIONAL POLITICS OF ENVIRONMENT
	<b>Course Code</b>	IR-602	IR-519	IR-503	IR-652	IR-520	IR-653
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 18 Credit Hrs.	ARMS CONTROL AND DISARMAMENT	INTERNATIONAL LAW OF THE SEAS	EMERGING REGIONAL AND WORLD ORDERS	NUCLEAR NON-PROLIFERATION	RESEARCH PROJECT	-
	<b>Course Code</b>	IR-521	IR-655	IR-654	IR-656	IR-523	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	6(6-0)	-

**Total Credit Hours: 134**

### Facilities

**Computer Laboratory:** Department has a well-established computer laboratory equipped with latest computers.

**Seminar Library:** The Departmental Library is managed by a qualified librarian and has a collection of books covering a wide range of disciplines in Philosophy history and culture for teaching and research purposes.

**Internet Facility:** The internet facility is available. A large number of international research journals are also available on Digital Library provided by Higher Education Commission and research article of interest can be downloaded.



### Vocational Job Opportunities/ Marketability of Graduates

- Teaching and Research
- Political Analyst and Commentator
- Federal and Provincial Civil Services
- International Organizations
- Journalism

### Faculty

S.#	Name	Designation	Qualification
1	Dr. Adil Zaman Kasi	Associate Professor/ Dean Faculty of Social Sciences	Ph.D
2	Dr. Mumtaz Ali Baloch	Assistant Professor/Chairperson	Ph.D
3	Dr. Hussan Ara Magsi	Assistant Professor	Ph.D
4	Mr. Abdul Zahir Mengal	Assistant Professor	M.Phil
5	Syed Amir Shah	Lecturer	M.Phil
6	Mr. Shoukat Ali	Lecturer	M.A
7	Mr. Wahid Khan	Lecturer	M.A
8	Ms. Farhana	Lecturer	M.A

### SEMESTER BREAKUP

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	English-I	Islamic Studies / Ethics	Introduction to Political Science I	Mathematics	General Course-I	General Course-II
	<b>Course Code</b>	ENG-601	ISL-601	PolSc-651	MATH-601	-	-
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	English-II	Pakistan Studies	Introduction to Political Science II	Introduction to Computer	General Course-III	General Course-IV
	<b>Course Code</b>	ENG-602	PKS-601	PolSc-652	CS-601	-	-
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 2	<b>Sem-3</b> Total 15 Credit Hrs.	English-III	Comparative Constitutions	World Politics since 1945	General Course-V	General Course-VI
	<b>Course Code</b>	ENG-603	PolSc-603	PolSc-605	-	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 15 Credit Hrs.	Western Political Philosophy I	Muslim Political Philosophy I	Comparative Politics	Public Administration	General Course-VII
	<b>Course Code</b>	PolSc -601	PolSc-602	PolSc-607	-	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 3	<b>Sem-5</b> Total 15 Credit Hrs.	Western Political Philosophy II	Muslim Political Philosophy II	International Political Economy	Introduction to Political Ideologies	Elective-I
	<b>Course Code</b>	PolSc -605	PolSc-606	PolSc-611	PolSc-616	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Introduction to Quantitative Research Methods	International Law	Constitutional Development in Subcontinent (1858-1947)	Theories of International Relations	Elective-II
	<b>Course Code</b>	PolSc-630	LAW-601	PolSc-632	PolSc-642	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	Introduction to Qualitative Research Methods	Constitutional Development in Pakistan since 1947	Political Development in Pakistan Since 1947	Political Economy of Pakistan	Elective-III
	<b>Course Code</b>	PolSc-631	PolSc-613	PolSc-636	PolSc-634	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	Genesis of Pakistan	Local Government in Pakistan	Foreign Policy of Pakistan	Federalism in Pakistan	Elective-IV/ Research Project
	<b>Course Code</b>	PolSc-621	PolSc-615	PolSc-617	PolSc-618	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	6(6-0)	-

**Total Credit Hours: 124**



# Social Work

## Program(s)

BS (Social Work)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Baluchistan as a lag behind and developing province of country and region faces acute challenges of poverty, illiteracy, provision of basic health and unemployment. These issues have been inherited by the population of the province during the pre-and post-colonial eras. In the wake of globalization, free market economy and overwhelming urbanization, capital intensive development, and speedy communication the rural communities would particularly suffer at different ends. The ecology of learning, expression, language, value systems and livelihood patters would be wiped out if specific actions and research studies are not carried for analyzing their needs and sustainable ways to initiate viable development ventures. Professionally trained Social Workers in this respect have a significant role in accelerating and humanizing the processes of development especially in Balochistan.

Recognizing the need for professionally trained Social Workers, Social Work education at post-graduate level was introduced in the University of Balochistan in March, 1974. Since inception, the Department of Social Work has been conducting two years M.A program in Social Work. The department has created cadres of thousands of young male and female professionals and has also established academic linkages with various likeminded institutions. Currently, the Department of Social Work is a full member of the International Association of Schools of Social Work. (IASSW)

## Objectives

- To impart professional knowledge to students regarding social work philosophy, methods, and theories.
- To equip students with understanding and advanced professional skills in conceptualizing the socio-economic conditions, social problems and characteristics of society in Balochistan and Pakistan.
- To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- To provide qualified and focused professionals in the





subject of Social Work to meet the future needs of educational institutes or society

- To conduct researches to meet the needs of academia, industry and research organizations

### Vocational Job Opportunities/ Marketability of Graduates:

- Graduates will have opportunities in the following fields: -
  - Local, National NGOs and International NGOs
  - Self-Initiative as Social Entrepreneur
  - Public sector Medical and Psychiatric Social Welfare Settings.
  - Rural Community Development Projects.
  - Urban Community Development Projects.
  - Family and Child Welfare Centers.
  - Women Welfare Centers.
  - Population Welfare Department.
  - Drug Abuse Prevention, Treatment and Rehabilitation Centers.
  - Labour Welfare and Industrial Development Departments.
  - Welfare Centers for aged.
  - Educational Institutions.
  - Special Education programs.
  - Social Welfare planning & policy development.

### Faculty

S.#	Name	Designation	Qualification
1	Dr. Mumtaz Ali Baloch	Associate Professor/ Chairperson	Ph.D
2	Ms. Tahira Naudani	Assistant Professor	M.Phil
3	Dr. Monica Qamar Zaman	Assistant Professor	Ph.D
4	Mr. Abdul Rahim Changezi	Assistant Professor	M.Phil
5	Ms. Sadia Barrech	Assistant Professor	M.Phil
6	Dr. Huma Zafar	Assistant Professor	Ph.D
7	Mr. Mohammad Nasir	Lecturer	M.Phil
8	Mr. Mohammad Yousaf Barech	Lecturer	M.Phil
9	Mr. Gohram	Lecturer	M.A
10	Ms. Hafsa Karim	Lecturer	M.A
11	Dr. Siraj Bashir	Lecturer	Ph.D
12	Ms. Zohra Asad	Lecturer	M.A
13	Mr. Mohammad Sulaman	Lecturer	M.A

### SEMESTER BREAKUP

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	Functional English (English-I)	Pakistan Study	Mathematics-I	(General-I) Introduction to Gender Studies	(General-II) Introduction to Sociology	(Foundation-I) Introduction to Social Work
	<b>Course Code</b>	ENG-601	PKS-601	MATH-601	GS-601	SOCIO-601	SW-601
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	Communication Skills (English-II)	Islamic Studies/Ethics	Basic Statistics	(General-III) Introduction to Demography	(General-IV) Introduction to Psychology	(Foundation-II) Social Welfare System in Pakistan
	<b>Course Code</b>	ENG-602	ISL-601	STAT-601	DEMO-601	PSY-601	SW-602
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	Technical Writing and Presentation Skills (English-III)	Introduction to Computer	(General-V) Introduction to Human Resource Management	(General-VI) Introduction to Health and Hygiene	(Foundation-III) Society and Social Institutions	(Foundation-IV) Human Growth and Personality Development
	<b>Course Code</b>	ENG-603	CS-601	HRM-601	HAH-601	SW-603	SW-604
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	(Foundation-V) Social Problems of Pakistan	(Foundation-VI) Social Policy and Planning	(Major-I) Social Case Work	(Major-II) Criminology	(General-VII) Introduction to Economics	(General-VIII) Introduction to Education
	<b>Course Code</b>	SW-605	SW-606	SW-607	SW-608	ECON-601	EDU-601
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 18 Credit Hrs.	(Foundation-VII) Social Legislation	(Foundation-VIII) Organizations in Social Sector	(Foundation-IX) Human Rights	(Major-III) Social Group Work	(Major-IV) Community Organization and Development	(Major-V) Field Work-I
	<b>Course Code</b>	SW-609	SW-610	SW-611	SW-612	SW-613	SW-614
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(0-3)
	<b>Sem-6</b> Total 15 Credit Hrs.	(Foundation-X) Social Development	(Major-VI) Social Gerontology	(Major-VII) Social Welfare Administration	(Major-VIII) Social Action	(Major-IX) Field Work-II	--
	<b>Course Code</b>	SW-615	SW-616	SW-617	SW-618	SW-619	--
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(0-3)	--	

Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	(Major-X) Social Research	(Major-XI) Field Work-III	(Elective-I)	(Elective-II)	(Elective-III)	--
	<b>Course Code</b>	SW-620	SW-621				--
	<b>Credit Hrs.</b>	3(3-0)	3(0-3)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-8</b> Total 18 Credit Hrs.	(Major-XI) Proposal Development	(Major-XIII) Statistics and Computer Application (SPSS)	(Major-XIV) Field Work-IV	(Major-XV) Thesis	(Elective-IV)	--
	<b>Course Code</b>	SW-622	SW-623	SW-624			--
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(0-3)	6(0-6)	3(3-0)		

## Facilities

**Departmental Library:** The Department of Social Work has gradually established its library containing relevant and updated collection of above 2000 books, journals, documents and periodicals. The Library is aimed to serve the educational and research needs of the students, faculty and professionals. Beside the collection in the hard covers, the department also links its students to a large number of International Research Journals that are available at digital library of the Higher Education Commission.

**Computer Laboratory:** Department of Social Work is also equipped with well-furnished computer laboratory having access to free internet facility for the use of scholars/students.

**Internet Facility:** As one of the prime need of the time, department facilitates teachers, staff, researchers and students through its free of cost internet facility available to all via Wi-Fi.

# Sociology

## Program(s)

BS (Sociology)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

With the advent of new scholastics in the last one hundred years, Sociology has been proven as one of the mother subjects to the different disciplines that have generated interdisciplinary studies. In the nutshell, Sociology as a discipline tends to promote a well-established management structure to effectively handle, analyze, cure and articulate the issues of social distress and it creates, promotes, coordinates and implements societal initiatives and programs for addressing the issues.

The department of sociology was established in 1973 and the first cadre of young men and women was graduated from Master program in 1975. Mr. Javed Iqbal Syed the Ex. Vice chancellor of Allama Iqbal Open University, Islamabad was the first Chairman of the Department. In the course of its 45 years life, the department has prosper while creating a cadre of thousands of illumines all over the country and has also developed a faculty, research portfolios, library, and well reputed research scholars.

## Objectives

- To provide a viable learning and experiencing environment to the students of different programs for understanding, analyzing and practically triangulating the knowledge base pertaining to the challenging social issues at grassroots level and to carry out action researches, ethnographic and grounded research approaches towards viable solutions of the society, that will enable students to know the process of amalgamation of theory and practice as an universal phenomenon.



### Vocational Job Opportunities/ Marketability of Graduates:

- Law
- Education
- Family planning
- Social work
- Social welfare programs
- Labor welfare
- Community development
- Public Administration.

### Faculty

S.#	Name	Designation	Qualification
1	Prof. DR.MOHAMMAD ALAM TAREEN	Professor/ Chairperson	Ph.D
2	MS.FAIZA SAFDAR	Assistant Professor	M.Phil
3	MS.NAVEEDA IRAM WARSI	Assistant Professor	M.Phil
4	MR.MOHAMMAD HANIF	Lecturer	M.Phil
5	MR. SHAKEEL AHMED	Lecturer	M.Phil
6	MR.MOHAMMAD ZAKIR	Lecturer	M.Phil
7	MR.ZAHOOR AHMED	Lecturer	M.Phil
8	MR.MOHAMMAD RAHIM	Lecturer	M.Phil
9	MR. ABDUL REHMAN ACHAKZAI	Lecturer	M.A

### SEMESTER BREAKUP

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	FUNCTIONAL ENGLISH	PAKISTAN STUDIES	SOCIAL STATISTICS	INTRODUCTION TO MASS COMMUNICATION	INTRODUCTION TO SOCIOLOGY	DEVELOPMENT OF SOCIAL THOUGHTS
	<b>Course Code</b>	ENG-601	PS-601	STAT-601	MS-601	SOC-601	SOC-602
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	COMMUNICATION SKILLS	ISLAMIC STUDIES / ETHICS	INTRODUCTION TO PSYCHOLOGY	INTRODUCTION TO SOCIAL RESEARCH	COMMUNITY DEVELOPMENT	INTRODUCTION TO POPULATION STUDIES
	<b>Course Code</b>	ENG-602	IS-601	PSY-601	SOC-606	SOC-613	SOC-614
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
Year 2	<b>Sem-3</b> Total 15 Credit Hrs.	TECHNICAL WRITING AND PROFESSIONAL SKILLS	INTRODUCTION TO MATHEMATICS	INTRODUCTION TO SOCIAL WORK	SOCIOLOGICAL THEORIES	SOCIOLOGY OF DEVELOPMENT	-
	<b>Course Code</b>	ENG-603	MATH-601	SW-601	SOC-603	SOC-611	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-
	<b>Sem-4</b> Total 18 Credit Hrs.	INTRODUCTION TO SPECIAL EDUCATION	INTRODUCTION TO COMPUTER	INTRODUCTION TO POLITICAL SCIENCE	PAKISTANI SOCIETY AND CULTURE	SOCIAL PSYCHOLOGY	RURAL SOCIOLOGY
	<b>Course Code</b>	SE601	SC-601	POLSC-601	SOC-604	SOC-605	SOC-615
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
Year 3	<b>Sem-5</b> Total 15 Credit Hrs.	QUANTITATIVE RESEARCH METHODOLOGY	SOCIAL ANTHROPOLOGY	INTRODUCTION TO ECONOMICS	EVERYDAY SCIENCE	PROJECT PLANNING AND MANAGEMENT	
	<b>Course Code</b>	SOC-607	SOC-609	EC-601	ES-601	SOC-612	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

	<b>Sem-6</b> Total 15 Credit Hrs.	QUALITATIVE RESEARCH METHODOLOGY	GENDER STUDIES	URBAN SOCIOLOGY	SOCIOLOGY OF RELIGION	INTRODUCTION TO LAW
	<b>Course Code</b>	SOC-608	SOC-610	SOC-616	SOC-617	LAW-601
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 4	<b>Sem-7</b> Total 15 Credit Hrs.	SOCIOLOGY OF EDUCATION	ORGANIZATIONAL BEHAVIOR	HUMAN RESOURCE MANAGEMENT	ELECTIVE-xxxxxx	ELECTIVE-xxxxxx
	<b>Course Code</b>	SOC-618	SOC-619	SOC-620	SOC-XXX	SOC-XXX
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	POLITICAL SOCIOLOGY	ELECTIVE-xxxxxxx	ELECTIVE-xxxxxxx	RESEARCH THESIS	-
	<b>Course Code</b>	SOC-621	SOC-XXX	SOC-XXX	SOC-622	-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	6(6-0)	-

**Total Credit Hours: 127**

#### Facilities

- Departmental Library
- Digital Library
- Computer Lab with Internet Facility



# Pakistan Study Centre

## Program(s)

BS (Pakistan Studies)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Pakistan Study Centre is one of the flagship centers of the University of Balochistan that was initiated in 1974. The Center carved its bases as established entity in the year 1976 under Pakistan Study Centre, Act No. XXVII of 1976 by the Government of Pakistan in the premises of the University of Balochistan. The center mainly covers the study of languages, literature social structure, customs, and value systems of the people of Pakistan. to the main purpose behind the establishment of center was to create a viable environment for young Balochistani students to know and understand the cultural diversity, languages, civilizations and histories of the people living in Pakistan so that to motivate the people of various region of Pakistan towards Nation building. At present, it is functioning as an active academic unit of the University of Balochistan. It is unfolds programs in MA, M.Phil and Ph.D. in Pakistan studies. The faculty members from the University and from the constituent colleges also take admission in M.Phil and Ph.D programs.

Moreover, the center has also initiated and approved establishment of the two chairs after the names of the reckoned anti-imperialist figures that is (1. Khan Shaheed Abdul Samad Khan Achazai and (2. Nawab Yousuf Aziz Mugsli. These Chairs will soon start its work to manifest further research and explorations.



**Objective:**

- To provide learning and experiencing environment to the students from different backgrounds and in different study programs so that to generate knowledge base, analysis and understanding that can potentially promote the national integration, pluralism, love for diversity and the unity in accordance with different regions, languages, literature, culture, customs and histories of the people and their country.

**Vocational Job Opportunities/ Marketability of Graduates:**

- The students who will qualify in Pakistan Studies can find job opportunities in the following departments/ organizations:
  - Teaching.
  - Competitive Exams.
  - Public Relation Officer.
  - Pakistan Tourism Department.
  - Inter Organizational Coordinator.
  - International Organizations as Representatives of Pakistan.
  - Organizational Development in Pakistan.

**Faculty**

S.#	Name	Designation	Qualification
1.	Prof. Dr. Muhammad Usman Tobawal	Professor/Director	Ph.D
2.	Dr. Noor Ahmed	Associate Professor	Ph.D
3.	Dr. Yousaf Ali Rodeni	Assistant Professor	Ph.D
4.	Dr. Surriya Bano	Assistant Professor	Ph.D
5.	Dr. Abdul Rauf Rafiqui	Assistant Professor	Ph.D
5.	Ms. Shazia Jaffar	Assistant Professor	M.Phil
6.	Mr. Nazir Ahmed Kasi	Assistant Professor	M.Phil
7.	Mr. Bijar Khan	Assistant Professor	M.Phil
8.	Mr. Pervaiz Ahmed	Assistant Professor	M.Phil
9.	Ms. Sharaf Bibi	Lecturer	M.Phil

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 credit Hrs.	English-I	Islamic Studies/ Ethics	Basic Math/Statistics for Social Sciences-1	General-I	Independence Movement & the Creation of Pakistan (1857- 1947) (Foundation-I)	Land & People of Pakistan (Foundation-II)
	<b>Course Code</b>	ENG-601	ISL-601	MATH/STAT-601	PS-	PS-	PS-
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	2(2-0)	-
	<b>Sem-2</b> Total 17 Credit Hrs.	English-II	Computer Applications	Basic Math/Statistics for Social Sciences-2	General-II	Pakistan a Survey (1947- 2007) (Foundation-III)	Pakistani Society & Culture (Foundation-IV)
	<b>Course Code</b>	ENG-602	COMP-601	MATH/STAT-602	PS-	PS-	PS-
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 2	<b>Sem-3</b> Total 17 redit Hrs.	English-III	Computer Applications	General-III	General-IV	Economic Development of Pakistan (Foundation-V)	Pakistan's Foreign Policy (Foundation-VI)
	<b>Course Code</b>	ENG-603	COMP-602	PS-	PS-	PS-	PS-
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	English-IV	Pakistani Languages & Literature (Foundation-VII)	General-V	General-VI	Mass Media & Communication in Pakistan (Foundation-VIII)	Social Change & Development in Pakistan (Foundation-IX)
	<b>Course Code</b>	ENG-604	PS-	PS-	PS-	PS-	PS-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 3	<b>Sem-5</b> Total 15 redit Hrs.	Human Rights in Pakistan (Foundation-X)	General-VII	Course 1 in Major	Course 2 in Major	Course 3 in Major
	<b>Course Code</b>	PS-	PS-	PS-	PS-608	PS-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Course 4 in Major (Seminar on an Issue of National Importance)	Course 5 in Major	Course 6 in Major	Course 7 in Major	Elective-I
	<b>Course Code</b>	PS-	PS-	PS-	PS-	PS-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

Year 4	<b>Sem-7</b> Total 16 redit Hrs.	Course 8 in Major	Course 9 in Major	Course 10 in Major	Elective-II	Research Methodology
	<b>Course Code</b>	PS-	PS-	PS-	PS-608	PS-
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	4(4-0)
	<b>Sem-8</b> Total 15 Credit Hrs.	Research Project in Major	Course 11 in Major	Elective-III	Elective-IV	-
	<b>Course Code</b>	PS-	PS-	PS-	PS-	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	-	

**Total Credit Hours: 130**

**Note: Detail and list of all courses i.e (General, Foundation, Major and Elective).**

### Facilities

Pakistan Study Center shares following facilities with its faculty, staff, students and research scholars.

- Library (Books 2200)
- Class Room for MA classes
- Class Room for M.Phil. & Ph.D. students.
- Computer facility
- Telephone Facility
- Internet Facility



# Disaster Management & Development Studies

## Program(s)

BS (Disaster Management & Development)

## Eligibility

F.Sc/F.A or its Equivalent with Mathematics, Biology, Statistics, Computer Science, Geography, Economics & Commerce

## Duration

4 Years (8 Semesters)  
Full time

## Entry

Semester-1

## Contact hours

(First year, full time)  
Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Baluchistan is relatively the least developed province of Pakistan. Several studies/reports have found Baluchistan to have the lowest levels of human development in the country. The province lags behind the rest of the country in economic growth, labor productivity, health, education and other socioeconomic indicators. Its poverty level is higher than the national average and there is significant difference between rural and urban poverty incidence in the province. The province also suffers from the widest gender gaps in education and health in the country. Poor social indicators depict the state of human resource development in the province.

In addition to the poor social and economic indicators, Baluchistan is also exposed to a number of natural hazards. Due to fast rate of population growth, urbanization, poverty, climate change and geographical location, most of the regions of Pakistan including Baluchistan have become highly susceptible to natural disasters such as flood, cyclone, drought, earthquake, landslide, extreme temperature, heavy rain, epidemics, etc. In the



recent past, these hazards have resulted in some major disasters, such as Ziarat earthquake of 2008, Awaran earthquake of 2013 and the flood of 2010. Drought from 1998-2004 worsened the situation and the rural economy has still not fully recovered from the effects. It has been felt that there is limited capacity at notional and particularly at provincial level in terms of knowledge base, skills training, Long-term planning, emergency preparedness and policy development to respond to such severe disaster events.

The lack of expertise in the fields of disaster management and development planning, have further exacerbated the people's vulnerability to different disasters and worsen the development situation of the province. The weakest social and economic development indicators are attributed to the lack of human resource, professional expertise and research institutions in proportion to the development potential and needs of the province. These facts provide a strong rationale to initiate an academic program for building and strengthening experts in the field of development studies and disaster management to contribute in the development process of the province and to develop innovative ways of building the resilience of communities to disasters.

### **Objectives**

- To provide broad core disaster risk management and development education with focus on Rural Development.
- To bridges the gap between theory and practice.
- To enhance students' knowledge base, concrete decision-making and critical problem-solving skills.

### **Vocational Job Opportunities/ Marketability of Graduates**

- UoB being the first institution in the province providing expertise on Disaster Management and bridging its linkage with Development. There is a lot of demand of graduates from this field in various sectors and are reported competitive and well performers. A few employment opportunities institutions are listed below:
  - All educational and research institutions
  - Planning and Development Departments
  - Provisional Disaster management Authority (PDMA)
  - National Disaster management Authority (NDMA)
  - Firms consulting on environmental problems
  - Institutions needing Environmental Analysts
  - Census Organizations: Population, Agricultural and etc.
  - Government Strategic Policy Analysis Departments
  - Armed Forces (Air Force, Navy and Army).
  - Natural Resource Management (NRM)
  - Tourism Departments
  - Crisis Management Cells
  - National Disaster management Authority (NDMA)
  - Educational Institutions
  - SUPARCO
  - As a Social organizer in NGOs.
  - Rural Development & Local Government
  - UNDP
  - Civil Services of Pakistan

## Faculty

S.#	Teacher's Name	Designation	Qualification
1	Dr. Syed Ain Ud Din	Associate Professor/ Chairperson	Ph.D
2	Dr. Ghulam Murtaza	Assistant Professor	Ph.D
3	Dr. Muhammad Ashraf	Assistant Professor	Ph.D

## SEMESTER BREAKUP

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	English-I	Pakistan Studies	Math-1	Fundamentals of Geography	General Geology	Fundamental of Disaster Management
	<b>Course Code</b>	ENG-601	PKS-601	MATH-601	GEOG-601	GEOL-601	DMDS-601
	<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(2-1)	3(3-0)	3(3-0)
	<b>Sem-2</b> Total 17 Credit Hrs.	English-II	Islamic Studies / Ethics	Stat-I / Univ. Optional	Introduction to Environmental Science	Introduction to Sociology	Introduction to Development Studies
	<b>Course Code</b>	ENG-602	ISL-601	STAT-601	ENVS-601	SOC-601	DMDS-602
<b>Credit Hrs.</b>	3(3-0)	2(2-0)	3(3-0)	3(2-1)	3(3-0)	3(3-0)	
Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	English-III	Introduction to Computer	Introduction to Economics	Stat-II / Univ. Optional	Introduction to Psychology	Basic Principles of Disaster Planning and Management
	<b>Course Code</b>	ENG-603	CS-601	ECON-601	STAT-602	PSY-601	DMDS-603
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-4</b> Total 18 Credit Hrs.	Principles of Management	Agricultural Development Policies	Hydro-Meteorological Hazards	Development Planning Techniques	Applied Geomorphology and Natural Hazards	Gender Issues in Development
	<b>Course Code</b>	-	DMDS-604	DMDS-605	DMDS-606	DMDS-611	DMDS-612
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
Year 3	<b>Sem-5</b> Total 15 Credit Hrs.	Geo-Hazards	Basic Cartography	Community and Rural Development	Gender Mainstreaming in Disaster Management	Project Design, Development and Management	Decentralization and Governance
	<b>Course Code</b>	DMDS-607	DMDS-608	DMDS-609	DMDS-613	DMDS-614	DMDS-615
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(2-1)
	<b>Sem-6</b> Total 15 Credit Hrs.	Community Based Disaster Risk Management	Research Methodology	GIS and RS in Disaster and Development	Rural Urban Relations	Statistical Application in Using SPSS	-
	<b>Course Code</b>	DMDS-610	DMDS-616	DMDS-617	DMDS-618	DMDS-619	-
<b>Credit Hrs.</b>	3(3-0)	3(2-1)	3(2-1)	3(3-0)	3(1-2)	-	
Year 4	<b>Sem-7</b> Total 18 Credit Hrs.	Natural Hazards of Pakistan	Climate Change and Natural Hazards	ELECTIVE-I	ELECTIVE-II	ELECTIVE-III	
	<b>Course Code</b>	DMDS-620	DMDS-621	DMDS----	DMDS----	DMDS----	
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	
	<b>Sem-8</b> Total 18 Credit Hrs.	Multi-Hazards Vulnerabilities	ELECTIVE-IV	Research Project and Report Writing	-	-	-
	<b>Course Code</b>	DMDS-622	DMDS---	-	-	-	-
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	6(6-0)	-	-	-	

**Total Credit Hours: 124-136**

Optional Courses			
Introduction to Information and Communication Technologies	Migration, Displacement and Society	Biodiversity and Conservation	Human Resource Management
DMDS-640	DMDS-641	DMDS-642	DMDS-643
3(3-0)	3(3-0)	3(3-0)	3(3-0)
Structural and Non-Structural Measure in DM	Natural Resources Management	Development Economics	Disaster Management Policies
DMDS-644	DMDS-645	DMDS-646	DMDS-647
3(3-0)	3(3-0)	3(3-0)	3(3-0)
Psychological Impacts of Disasters	Flood Hazard Risk Reduction	Role of Media in Disaster Management	-
DMDS-648	DMDS-649	DMDS-650	-
3(3-0)	3(3-0)	3(3-0)	-

**Note:** Students are allowed to select any four electives from the given groups. The list is not exhaustive, other courses maybe added on the availability of faculty/resources.

### Field Research

Field research is aimed with a goal to produce human resource (students) be skillful, technical and more professional in writing, analysis of data, interpretation and expertise in conversion of spatially located data into regional study.

### Facilities

**Computer Lab:** The department has the facilities of various laboratories like; Meteorological Laboratory, GIS and RS Laboratory, Cartographic Lab, Geomorphological Lab. (Combined use the Geology Department's museum for Identification of rock samples)

**Internet Facilities:** The internet facility is available at the department. A large number of national and international journals are available on Digital Library provided by HEC.



# Anthropology

## Program(s)

BS (Anthropology)

## Eligibility

Intermediate or Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

The subject matter of anthropology that is human being directly gives whole orientation of the program. So, this program of Anthropology aspires to provide the essential skills in understanding the developmental issues of Pakistani society particularly the rural Pakistan. The existing curriculum targets the needs to have dynamic and progressive social scientists particularly in the domains of Anthropology to address the emerging socio cultural issues in Pakistan. Moreover, the department plans to initiate the B.S program, due to the colossal demand within the academic sector of a new institution, due to unavailability of any public institution accept few such as, Quaid- i- Azam University, and Punjab University in Pakistan.

The program provides a variety of important sub disciplines for instance Archaeology, Socio-Cultural Anthropology, Linguistics, Physical Anthropology, Indigenous Knowledge and traditional wisdom, past societies, Political Anthropology, Religion, Global Cultural Transformation, Perspectives on Development, Anthropology of Pakistan and South Asian Societies. The program builds on their knowledge in such a way that initially they are oriented towards the discipline and then courses from all the major subfields of Anthropology are taught.

Students do have optional and minor courses from within and outside the department. They are equipped with extensive training on research through field assignments and courses designed specifically on research and theory. Moreover, students are strategically encouraged to develop their professional writing skills through assignments focusing on writing research paper. In the final semester, the whole focus of



the degree i.e. research is undertaken by the students. It comprises of at least a 4-6 months extensive field work and later the thesis reports are prepared. The whole exercise is supervised by the faculty. It gives them basic societal understanding and insights to furnish the professional abilities. It also educates graduates to better understand and contribute towards the developmental and progressive needs of the society.

## **Objectives**

### **Program mission, objectives and outcomes**

The department of Anthropology is running its M.Sc in Anthropology at PMAS-AAUR since 1999. Its first admissions were offered in year following i.e. 2000. Since then, the program has contributed towards producing the best and compatible human capital in the discipline. The whole scheme of study was knitted with the aim to produce scholars on Pakistani society as well as culture that are adept in understanding the society with reference to its ancient cultural heritage and at the same time to understand the unique political heritage of the region especially with regards to the Pakistan's movement. This academic discipline is well connected to the cultural uniqueness of the program and also brings it in line with the major cultural traditions and civilizations of the world.

### **Documented measurable objectives that support department mission statements**

Mission Statement of the BS Program of Anthropology is to prepare students for careers requiring acquisitions, acquirements, cognition, and enosis from a synthesis of the natural and social sciences. The department and its faculty strongly believes that beneficiaries and students in anthropology are generically thinking beings who are expected and supposed to expose and demonstrate their innate depths of intellect, efficacious reading and authorship and the ability to become problem shooters spanning the humanities, natural sciences and the cultural diversity characteristic of the modern world.

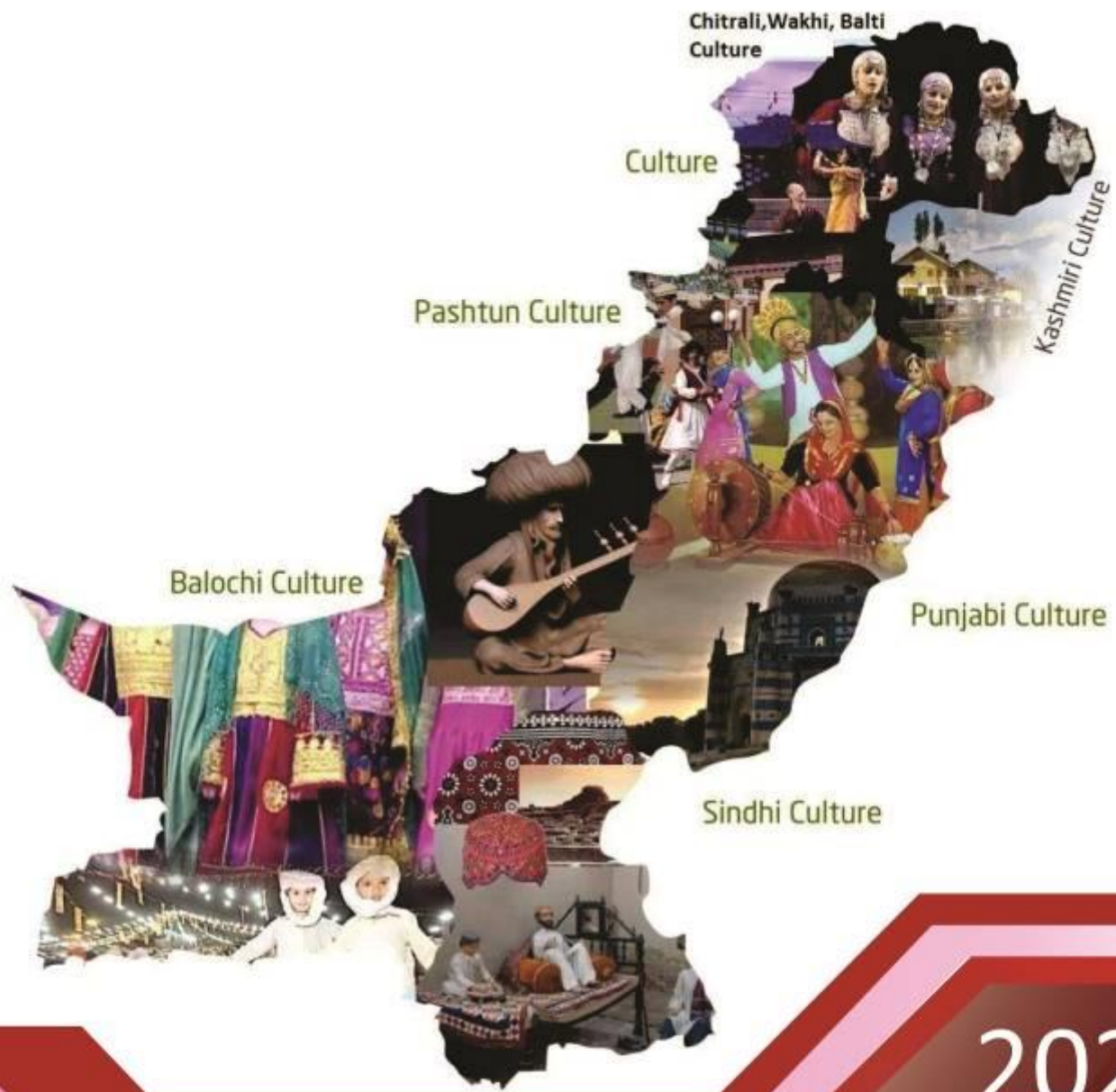
### **Strategic objectives of the Program of B.S Anthropology**

1. The program bridges the gap between major stakeholders i.e. NGOs and INGOs, academic realm and R&D sector.
2. The program is currently planning to initiate orientation sessions at undergraduate level intending career counseling that shall broaden the awareness of the subject's academic and practical significance.
3. To frequently shape new courses as per the developmental needs and academic requirements of the discipline and introducing them in new scheme of studies.
4. Focusing the research over arid areas of Balochistan specifically and Pakistan generally, in line with universities mission, be used as course material for designing new courses in the next scheme of studies or publication material.

### **Main elements of strategic plan to achieve mission and objectives**

1. To initiate Department and built its image as a research center, attracting all the major stakeholders including Government departments, organizations and agencies, international donors, international non-governmental organizations, national level NGOs and other civil society organizations forming a nexus that will lead to the development of a functioning cell for generating solutions for social issues and student's professional grooming.
2. Awareness about the subject's subject matter is necessary to make the communities more responsive in terms of enrollment at all level of educational programs.
3. Inclusion and restructuring new courses as per the global trends introduced in the discipline. The focus shall be now on the applied and socio-cultural aspect that will help the students practically be involved in the professional mainstream.
  - Compiling the demographical ethnographic data attained through the research objectives can serve as an opportunity to highlight the issues of the regions of whole Balochistan through reports and publications which will be later used to shape research projects.

**Note:** Courses detail and semester breakup are available in the department.



2020

## Faculty of Literature & Languages

- ▶ Balochi
- ▶ Brahui
- ▶ Institute of Linguistics & Literature
- ▶ Pashto
- ▶ Persian
- ▶ Urdu Literature

# Balochi

## Program(s)

BS (Balochi)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction:

The Balochi is one of the Endo-Iranian stock of languages that is estimated to be over six thousand years old. In the nutshell, Balochi belongs to the Northwestern group of the Iranian languages, which means that it shares certain sound characteristics with Kurdish, Parthian and New Persian.

The Department of Balochi was gradually evolved, courses of Baloch Adeb, Fazal and Alim were started in 1978, these courses were upgraded to masters in 1985 and in 1992 the department of Balochi was established. Mir Aqil Khan Mengal was the first chairperson.

Since inception, the department has been contributing in developing cadres of Balochi languages, literature and culture experts that are serving in the different national and provincial level institutions. The department publishes a bi-annual bilingual research journal recognized by HEC in the Z-category.

## Objectives

- To develop viable learning environment in the department for creating qualified human resource while understanding, learning, and experiencing the Balochi language, and literature as a discipline.
- To develop innovative academic and research portfolios that many diversify and expand the knowledge base regarding the language, literature, culture, history and art forms of the traditional and modern Baloch, Balochi and Balochistan.

## Job Opportunities

- Education/ Research.





- Electronic and Print Media.
- Interpreter/ Translator in Public/ Private Sectors.
- Archeology and history in lok versa.
- Cultural and Literary institutes.

### Faculty

S.#	Name	Designation	Qualification
1	Dr. Hamid Ali Baloch	Assistant Professor/Chairperson	Ph.D
2	Dr. Rahim Bakhsh	Assistant Professor	Ph.D
3	Ms. Nasreen Gul	Assistant Professor	M.Phil
4	Mr. Abdul Razzaq Dad	Assistant Professor	M.Phil
5	Zahid Husain Dashti	Lecturer	M.Phil
6	Mr. Rafique Ahmed	Lecturer	M.Phil
7	Mr. Muhammad Sharif	Lecturer	M.Phil

سمسٹر بریک اپ						
	بلوچی لہرانگہ پبلیکیشن 1 (گیدی شعراء ردانگہ)	تاریخ	تعارف علم نفسیات	مطالعہ پاکستان	انگلش-I	اولی سمسٹر کل 17 کریڈٹ آؤرز
BAL-602	BAL-601	HIST-601	PSY-601	PS-601	ENG-601	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)	3(3-0)	کریڈٹ آؤرز
	بلوچی لہرانگہ پبلیکیشن II (عہدی شاعری)	تاریخ	فلسفہ	اسلامیات	انگلش-II	دومی سمسٹر کل 17 کریڈٹ آؤرز
BAL-605	BAL-604	BAL-603	PHIL-601	IS-601	ENG-602	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)	3(3-0)	کریڈٹ آؤرز

	بلوچی لہرانگہ پبلیکیشن III کسی لہرانگہ	شاریات	عمرانیات	کمپیوٹر	انگلش-III	تیسری سمسٹر کل 18 کریڈٹ آؤرز
BAL-607	BAL-606	STAT-601	SOC-601	PS-601	ENG-603	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آؤرز
	بلوچی لہرانگہ پبلیکیشن IV (نوکیں شاعری)	جغرافیہ	بلوچی حاکماری تہذیب و پبلیکیشن	ہیومن رائٹس اینڈ سٹیڈن شپ	ایڈوانس اکائیڈمک ریڈنگ اینڈ رائٹنگ	چارمی سمسٹر کل 18 کریڈٹ آؤرز
BAL-610	BAL-609	GEO-601	BAL-608	HR-601	ACDR-601	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آؤرز

	بلوچی گیدی رداک	بلوچی گیدی شاعری	بلوچی نگہ	دوڑی ڈسکورس	پنجمی سمسٹر کل 18 کریڈٹ آؤرز
BAL-614	BAL-613	BAL-612	BAL-611	601	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آؤرز

-	-	بلوچی زبان و ادبی پوائی	بلوچی شعری رجاتک	لبریلد نویسی و بلوچی لبریلد نویسی	پنجی سمسٹر
-	-	BAL-617	BAL-616	BAL-615	کورس کوڈ
-	-	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آورز
بلوچی و کسانک نویسی	بلوچی و آزات پتہ	آزماک و رجاتک	بلوچی گدار	نیم عہدی بلوچی شاعری	ششمی سمسٹر کل 15 کریڈٹ آورز
BAL-622	BAL-621	BAL-620	BAL-619	BAL-618	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آورز

بلوچی و عہدی نویسی	بلوچی و دود و بیدگ	بلوچی لبریلد و لبریلد	بلوچی و دستونک	بلوچی و رجاتک گدار	ہفتمی سمسٹر کل 15 کریڈٹ آورز
BAL-626	BAL-626	BAL-625	BAL-624	BAL-623	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آورز
-	میر عاقل خان مینگل و زندہ آزم	میر محمد حسین مینگل و زندہ آزم	سیدھاشی، زندہ آزم	چکانی لبریلد	ہفتمی سمسٹر
-	BAL-631	BAL-630	BAL-629	BAL-628	کورس کوڈ
-	-	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آورز
بلوچی لبریلد اداری	مقالہ نویسی	بلوچی سفر نامگ	بلوچی و متن و پکیند	بلوچی و کسٹ لبریلد	ہفتمی سمسٹر کل 15 کریڈٹ آورز
BAL-636	BAL-635	BAL-634	BAL-633	BAL-632	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آورز
غنی پرواز و زندہ آزم	عطا شاد و زندہ آزم	گل خان نصیر و زندہ آزم	براہوئی زبان و ادب	بلوچی و لبریلد تاکداری	ہفتمی سمسٹر
BAL-640	BAL-639	BAL-638	BRAHH-601	BAL-637	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آورز

جاری سال

### Facilities

- Mir Aqil Khan Mengal Memorial Library.
- Books & Research Journals 3000.
- Computer Lab.



# Brahui

**Program(s)**  
BS (Brahui)

**Eligibility**  
Intermediate or its Equivalent

**Duration**  
4 Years (8 Semesters)  
Full time

**Entry**  
Semester-1

**Contact hours  
(first year, full time)**  
Approximately 16-22 hours per week

**Find out more**  
[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

### Introduction:

The Brahui language is one of the oldest language of this region, it is known as the indigenous language. The language and Literature of Brahui speaking are living in the central Balochistan and adjacent districts of Afghanistan has enriched and diversified through the course of history.

Although studied by orientalist of the late 19<sup>th</sup> and early 20<sup>th</sup> century, the language, literature and social value system of these people still remain outside the academic and research domains. Along with other major languages of province Balochistan, higher education diplomas and master degrees.

The department has crossed various ever and of Brahui milestones, while evolving its M. Phil, and Ph.D. programs and initiating the first ever research journal in Brahui "Al-Burz" which is sponsored and recognized by HEC in Z-category.

### HISTORY OF DEPARTMENT.

- **1974-1992:** Brahui as an additional subject has been introduced in Pakistan Study Center, University of Balochistan.
- **1992-1998:** Become a part of Languages department, University of Balochistan, Quetta.

**1998-onward:** established as a separate department in faculty of Languages & Literature, University of Balochistan Quetta.



## Objectives

- To foster effective study programs and meaningful environment to the groups of motivated young learners and students who would be recognized as post-graduate professionals in Brahui literature, culture and Language, capable of functioning at local, national and international levels.
- To expand the knowledge base and work out in-depth analysis on the themes of Brahui language, literature, folklore, culture, social history and the values systems while reviving ancient Brahui folklore, poetry and literature through teaching and research endeavors through its different degree awarding programs.

## Job/Career Opportunities

- Education/ research institutes in Public/ Private Institutions,
- Electronic and Print Media.
- Interpreter/Translator in Public offices.
- Archeology and History in lok-versa.
- Literary/Cultural institutions.

## Faculty Members

S.#	Name	Designation	Qualification
1	Dr. Liaqat Ali Sani	Associate Professor/Chairperson	Ph.D
2	Dr. Waheed Razzaq	Assistant Professor	Ph.D
3	Dr. Shabir Ahmed Shahwani	Assistant Professor	Ph.D
4	Dr. Abida Baloch	Assistant Professor	Ph.D
5	Mr. Yousaf Mengal	Assistant Professor	M.Phil
6	Dr. Manzoor Baloch	Lecturer	Ph.D

سمسٹر بریک اپ							او لیگوسال
II براہوئی تہیل وبلد	سوشیالوجی	2 مطالعہ پاکستان	I براہوئی تہیل وبلد	1- تاریخ	I انگریزی	اد لیگوسال	
BRH-601	SOC-601	PS-602	BRH-600	HIS-600	ENG-601	کل 17 کریڈٹ آڈورز	
3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	کورس کوڈ	
3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آڈورز	
BRH-603	MS-601	ISL-601	BRH-602	PolSc-651	ENG-602	کل 17 کریڈٹ آڈورز	
3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	کورس کوڈ	
3(3-0)	3(3-0)	2(2-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آڈورز	

سمسٹر بریک اپ							ارٹیکولس
II شاعری نائج آک	II تاریخ	I کمپیوٹر	I- شاعری نائج آک	پولٹیکل سائنس	III- انگریزی	ارٹیکولس	
BRH-605	HIS-601	CS-601	BRH-604	PolSc-652	ENG-603	کل 18 کریڈٹ آڈورز	
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کورس کوڈ	
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آڈورز	
-	اردو	بلوچی	I- نائج آک	III- پولٹیکل سائنس	II- کمپیوٹر	چار میکوس سمسٹر	
-	URD-600	BAL-601	BRH-606	PolSc-602	CS-602	کل 16 کریڈٹ آڈورز	
-	3(3-0)	3(3-0)	3(3-0)	3(3-0)	4(3-1)	کورس کوڈ	
-	3(3-0)	3(3-0)	3(3-0)	3(3-0)	4(3-1)	کریڈٹ آڈورز	

برہوئی بھوگ شوگی ادب	لسانیات	تتقید	برہوئی کھوڑا و املا	برہوئی لہجہ غاک	برہوئی زبان نا ناو ردوم	اچھیکو سمسٹر کل 18 کریڈٹ آدورز
BRH-610	BRH-609	BRH-608	BRH-611	BRH-613	BRH-612	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز
برہوئی غزل	برہوئی افسانہ	برہوئی غیر افسانوی ادب	برہوئی افسانوی ادب	برہوئی ادب ٹی مکتبہ درغانی	برہوئی قدیم شاعری	ہشتیکو سمسٹر کل 18 کریڈٹ آدورز
BRH-619	BRH-618	BRH-617	BRH-616	BRH-615	BRH-614	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز

سمسٹر سال

شعری خواست و عروض	برہوئی ادب و میڈیا	نوشت و تہذیب	تتقید و ادب	پت و پول ناخواست اک	برہوئی ڈرامہ	ہشتیکو سمسٹر کل 18 کریڈٹ آدورز
(اختیاری-4)	(اختیاری-3)	(اختیاری-2)	(اختیاری-1)			
یاتی۔ بڑز کو اختیاری کورس آتیاں بیہ ہارا (2) کورس ہر فٹے						
BRH-607	BRH-624	BRH-623	BRH-621	BRH-622	BRH-620	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز
برہوئی دینی ادب	برہوئی ادب ٹی نیاڑی	برہوئی ٹی پختا ادب	تتقید و ادب ناسیالی	ریسرچ پراجیکٹ	برہوئی مٹ و بدل	ہشتیکو سمسٹر کل 21 کریڈٹ آدورز
(اختیاری-4)	(اختیاری-3)	(اختیاری-2)	(اختیاری-1)			
یاتی۔ بڑز کو اختیاری کورس آتیاں بیہ ہارا (2) کورس ہر فٹے						
(BRH-628)	(BRH-630)	(BRH-629)	BRH-625	BRH-627	BRH-626	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	6(3-3)	3(3-0)	کریڈٹ آدورز

چار سیمسٹر سال

## Facilities

**Departmental Library:** Department has well established library consisting of more than 3000 books, periodicals and journals covering different subjects.

**Al-Burz:** HEC approved research Journal, facilitate the researchers & Scholars to publish their new work and research.

**Career Counseling / Internship:** department has internship and counseling facility to explore the hidden potential of the students and guiding them towards their field of interests within the department.



# Department of English Literature

## Program(s)

BS (English Literature)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Literature can be defined as 'pieces of writing that are valued as work of art specially novels, plays and poems' (Oxford Advanced Learner's Dictionary). The department of English Literature is one of the oldest departments of the university and indeed- a very popular one too. Literature in English involves the reading and analysis of various writers from fiction and non-fiction and poetry too. Literature teaches about life, cultures and experiences of people from all parts of the world. It makes one more wiser, awakens a sense of judgment, gives information on socio/political conditions of the region, generates sympathy for the oppressed and also polishes the critical skills. Teaching of English Literature also widens the knowledge of the Language and improves the reading and writing skills of the students.

The department has capable and competent faculty members. It has three Ph.D. faculty members and majority of the faculty hold MPhil/ MS in their areas of interest. The departmental atmosphere is congenial and student-friendly. With strong commitment to providing quality education to the people of the province, we also support research oriented teaching and activities. To instill creativity in students, scholarly methods of research are taught and employed that include: close reading, textual analysis, historical and archival research and research projects too. Despite, limited resources the department offers four degree programs that are: BS English, Masters' in Literature, MPhil (English

Literature and Linguistics) and Ph.D. in Literature.

Our MA English Students pursue careers in education, media, law, arts, academia and some of them pursue further study in professional and graduate schools outside Pakistan.

Therefore, applying for admission in department of English Literature is a wonderful idea!

## Objectives

- To develop conducive learning environment and enable students to acquire knowledge and understanding of linguistics as discipline and also master English Language competence so that to practically culminate their knowledge in diverse walks of life.
- To design and conduct short courses in foreign languages and provide opportunity of higher education to the talented students from various backgrounds and enable them to find venues in the local, national and global markets.

## Job/Career Opportunities

- Education/ research institutes in Public/ Private Institutions,
- Electronic and Print Media.
- Interpreter/Translator in Public offices.
- English coaching centers and institutions
- Literary/Cultural institutions.

## Faculty

S#	Name	Designation	Qualification
3	Prof. Dr. Najia Asrar Zaidi	Professor/ Chairperson	Ph.D
2	Prof. Dr. Faria Saeed	Professor	Ph.D
4	Dr. Saima Manzoor	Associate Professor	Ph.D
5	Ms. Munawara Rehman	Assistant Professor	M.A
6	Mr. Ghulam Rasool	Lecturer	MS
7	Ms. Rafia Bokhari	Lecturer	MS
8	Ms. Shahida Sher Muhammad	Lecturer	M.Phil
9	Mr. Shahzad Obaid	Lecturer	M.Phil
10	Ms. Saima Yousuf Khan	Lecturer	M.Phil
11	Ms. Neelum Munir	Lecturer	M.A
12	Ms. Shumaila Barozai	Lecturer	M.A
13	Ms. Taatera Achakzai	Lecturer	M.A

## SEMESTER BREAKUP

SEMESTER BREAKUP							
Year 1	<b>Sem-1</b> Total 17 Credit Hrs.	English I: Reading and Writing Skills	Introduction to Linguistics	Brief History of English Literature (1)	Introduction to Philosophy (1)	Introduction to Psychology (1)	Pakistan Studies
	<b>Course Code</b>	ENG-601	ELing-610	ELit-611	Phil-601	Psy-601	PS-601
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)
Year 1	<b>Sem-2</b> Total 17 Credit Hrs.	English II: English Composition	Phonetics and Phonology	Brief History of English literature (II)	Introduction to Psychology (2)	Introduction to Philosophy (2)	Islamic Studies
	<b>Course Code</b>	ENG-602	ELing-612	ELit-613	Psy-602	Phil-602	ISL-601
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	2(2-0)

Year 2	<b>Sem-3</b> Total 18 Credit Hrs.	English III: Communication and Presentation Skills	Morphology and Syntax	Introduction to English Literature (1): Poetry & Short Stories	Introduction to Political Science	Introduction to Sociology	Introduction to Computer
	<b>Course Code</b>	ENG-603	ELing-614	ELit-615	PolSc-651	Soc-601	CS-601
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
Year 2	<b>Sem-4</b> Total 17 Credit Hrs.	English IV: Academic Reading & Writing	Semantics and Pragmatics	Introduction to Drama	Introduction to English Literature (II) Novel & Prose	Human Rights & Citizenship	Mass Media in Pakistan
	<b>Course Code</b>	ENG-604	ELing-616	ENG-617	EIIT-619	ENG-621	MM-608
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 3	<b>Sem-5</b> Total 15 Credit Hrs.	Psycholinguistics	Sociolinguistics	Classical Literary Criticism	World Literature in English	Pakistani Literature (i)
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	<b>Course Code</b>	EIng-618	EIng-620	ELit-623	ELit-625	ELit-627
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)
	<b>Sem-6</b> Total 15 Credit Hrs.	Methods of English Language Teaching	World Englishes	Modern Literary Criticism	Introduction to American Literature	Research Methodology
	<b>Course Code</b>	EIng-622	EIng-624	ELit-629	ELit-631	RM-633
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)

Year 4	<b>Sem-7</b> Total 16 Credit Hrs.	Syllabus Design and Material Development	Pakistani Literature (II)	Modern & Contemporary poets	Continental Literature	Research Project(Literature & Linguistics) (1)
	<b>Course Code</b>	EIng-626	ELit-635	ELit-637	ELit-639	RM-641
	<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	6(6-0)
	<b>Sem-8</b> Total 17 Credit Hrs.	Language Testing and Assessment	English Language Teaching in Pakistan	Modern Drama	Emerging Forms of Literature	Journalistic Writing
	<b>Course Code</b>	EIng-630	EIng-632	ELit-643	ELit-645	ENG-641
<b>Credit Hrs.</b>	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	

**Total Credit Hours : 130**

#### Facilities

- Departmental Library
- Computer Lab





# Pashto

**Program(s)**  
BS (Pashto)

**Eligibility**  
Intermediate or its Equivalent

**Duration**  
4 Years (8 Semesters)  
Full time

**Entry**  
Semester-1

**Contact hours**  
**(first year, full time)**  
Approximately 16-22 hours per week

**Find out more**  
[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Amongst other sister languages of her family, Pashto is one of the living languages of Indo-Iranian stock. It is estimated that Pashto was spoken almost 1000 BC in the Bactrian rangelands and settled communities around river Oxus. The excavations of the historical sites validate interesting revelations about the people of this part of the world. Pashto as a language and value system caters to the life of an ordinary Pashtoon. Score of scholastic projects are carried out on the study of Pashto, Pashtoons and Pashtoonwali mainly during the colonial era. In the post colonial era, academic and research institutions in Afghanistan and today Khyber Pakhtunkhwa started institutional basis that helped in practicing teaching and research as disciplines in Pashto language and literature.

In order to study the literary and cultural capitals of the Pashtoon areas, diploma level courses of Pashto Adeeb, Fazal and Aalim were started in 1886 through Pakistan Study Center. The department of Pashto gradually evolved in 1992 while offering two years master degree programs. Professor Wali Muhammad Sial Kakar was one amongst the other pioneers who head Pashto department as the first chairperson.

Since inception, the department of Pashto has crossed several milestones of its growth and development. It has designed and developed



effective masters, M.Phil and PhD programs. It has a full fledged faculty with highest academic credentials of PhD, developed “Khan Shaheed Digital Library”, and has a department library with above 4000 books. The department has also incepted a bilingual and biannual research journal “TAKATOO: that is recognized by HEC in category “Y”.

### Objectives

- To develop a conducive learning and practice environment for creating motivated young scholars, researchers, practitioners and literary and cultural activists regarding Pashto language and culture that will enrich the public sector research, development, educational and cultural institutions.
- To foster study programs that can maximize the possibilities of carrying out interventions for the promotion of Pashto language, literature, culture and history that will also transcend the existing knowledge base and research paradigms.

### Job Opportunities

- Education / research in Public / Private sectors.
- Electronic and Print Media.
- Interpreter / Translator in Public / Private sectors.
- Archeology and history in lok versa.
- Literary / Cultural institutions.

### Faculty

S.#	Name	Designation	Qualification
1	Prof. Dr. Faizullah Panezai	Professor/Chairperson	Ph.D
2	Prof. Dr. Naseebullah Seemab	Professor	Ph.D
3	Dr. Javed Iqbal	Assistant Professor	Ph.D
4	Dr. Barkat Shah Kakar	Assistant Professor	Ph.D
5	Mr. Abdul Rehman kakar	Lecturer	M.A
6	Mr. Sharif Khan	Lecturer	M.Phil
7	Mr. Muhammad Naseem	Lecturer	M.Phil
8	Ms. Nahid Ali	Lecturer	M.A
9	Mr. Samiullah	Lecturer	M.A
10	Abdul Samad Kakar	Lecturer	M.A

### Facilities

- Departmental Library, Books & Research journals 1300
- Computer Lab
- Digital Library



# Persian

## Program(s)

BS (Persian)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Persian language and literature have influenced the Central Asia and South Asian cultures and languages for almost millennia. The development of literary genres and forms of poetic and artistic expression directly impacted particularly the written literature of languages and people living in India and Pakistan. The construction of world famous epics like Shahnama, and the legendary poetic and imaginative dictions of Hafiz Sherazi, Jalaludin Rumi, Bedil, Firdousi and Sheikh Saadi have always been central and representing stuff of the orient.

Department of Persian was established alongside the departments of local languages at University of Balochistan. Since inception, the department has been instrumental to engaged motivated young students who seek their career in the domain of Persian language and literature. The department has been offering extensive master degree program in Persian language and literature and intends to seek viable study programs of M.Phil and Ph.D.

## Objectives

- To develop a encouraging environment of learning and practice in the department that will capacitate the young scholars, writers, researchers and artists seeking their career



in the domain of Persian language and literature and that will rendered pool of high quality human resource to serve the national and regional level literary, research and academic institutions.

- To preserve and develop the historical and literary assets and heritage of Persian in Balochistan that will be instrumental to foster scholastic and literary linkages amongst the various ethnic groups of Balochistan that can bring peace, pluralism and social harmony as one of the outcomes of academic and research endeavors.

#### Job/Career Opportunities

- Educational and Research Institutes at Colleges/Universities etc.
- Radio and Television Networks.
- Field based journalist and reporting
- Translators and Interpreters.

#### Faculty Members

S. #	Name	Designation	Qualification
1	Dr. Bilal Ahmed Sasoli	Assistant Professor/ Chairperson	Ph.D
2	Syed Roohullah Naqvi	Assistant Professor	Ph.D
3	Dr. M. Ali Shah	Assistant Professor	Ph.D
4	Mr. Abdul Hassan Hazara	Lecturer	M.A



# Urdu

## Program(s)

BS (Urdu)

## Eligibility

Intermediate or its Equivalent

## Duration

4 Years (8 Semesters)

Full time

## Entry

Semester-1

## Contact hours

(first year, full time)

Approximately 16-22 hours per week

## Find out more

[www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso)

## Introduction

Urdu language is now becoming an international language, therefore, there is a dire need to disseminate, promote & advance the knowledge to that literature whether it is scientific, logical or non-scientific could be translated in to Urdu. Surprisingly enough, most of the Urdu literary contributions, non-a-days are translated in different languages like English, German, Russian, French, Chinese & Japanese.

Urdu Department has the unique honor to be the first Department to start research oriented work up to M.Phil and Ph.D levels in the University.

Prof: Mujtaba Hussain, an eminent Critic, established Department of Urdu (UOB) in 1973. Many renowned Educationists, Writers, Scholars, Poets and play Writers of Balochistan were groomed and nurtured in the Urdu department.

## Objective:

- Urdu is the national language as such it plays a vital role in the development of national harmony and act as a bridge for different language of Pakistan. In deed it is the most common medium of instructions and communication. The Department of Urdu is thus the mother department of the Languages.
- To guide the student of M. Phil & Ph. D in-depth research of Urdu Language and Literature for ascertaining multi faceted values of different



ages.

- To explore old and new horizons of Urdu literature pertaining to prose, poetry and criticism.
- To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- To provide qualified and focused professionals in the subject of Urdu to meet the future needs of educational institutes or industry.
- To prepare researchers to meet the needs of industry and research organizations, science and technology.

#### Job/Career Opportunities

- Educational Institutions Colleges / Universities.
- Interpreters.
- Electronic & Print Media.
- Advertisement agencies.
- Provincial / Federal Civil Services.
- NGO's.

#### Faculty

S.#	Name	Designation	Qualification
1	Prof. Dr. Khalid Mahmood Khattak	Professor/ Chairperson	Ph.D
2	Ms. Gul Gutai	Assistant Professor	M.Phil
3	Ms. Afshan Qazi	Lecturer	M.A
4	Ms. Tanzila Naz	Lecturer	M.A

سمسٹر بریک اپ							
معاہیات	عمرانیات	نفسیات	ریاضی	مطالعہ پاکستان	انگلش-۱	اردو زبان - تشکیل و ارتقا	پہلا سمسٹر کل 18 کریڈٹ آدورز
ECO-604	SOC-603	PSY-625	MATH-601	PS-601	ENG-601	URD-600	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز
-	مسلم تہذیب و ثقافت / تاریخ اسلام	فلسفہ	شماریات	اسلامیات / اخلاقیات	انگلش-۲	شعری اصناف: تعارف اور تنہیم (حصہ اول) طے شدہ اصناف کا تعارف، منتخب شاعر کا کلام۔	دوسرا سمسٹر کل 18 کریڈٹ آدورز
-	MH-605	PHIL-602	STAT-602	ISL-601	ENG-602	URD-601	کورس کوڈ
-	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز

بشریات	عربی / فارسی / ہندی (کسی ایک زبان کی مختصر تاریخ اور قواعد)	پاکستان: سیاسی تاریخ	براعظیم کی تاریخ (ماقبل تاریخ تا ۱۹۳۷)	کمپیوٹر کا علم-۱	انگلش-۳	علم التعليم	شعری اصناف: تعارف اور تنہیم (حصہ اول) طے شدہ اصناف کا تعارف، منتخب شاعر کا کلام۔	تیسرا سمسٹر کل ۱۷ کریڈٹ آدورز
B-610	APH-609	PH-608	CD-607	CS-601	ENG-603	KC-606	URD-602	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز

-	ماحولیات	فطری علوم تعارفی مطالعہ (طبیعیات، کیمیا، حیا تیات)	جغرافیہ عالم	پاکستانی زبانوں کا ادب (یونیورسٹی/کالج ایچ علاقے میں بولی جانے والی پاکستانی زبان /زبانوں کے ادب کا انتخاب کرے گی)	کمپیوٹر کا علم-۲	تحریر و انشا (عملی ترتیب)	نثری اصناف: تعارف اور تفہیم (حصہ اول)	چوتھا سمسٹر کل ۱۵ کریڈٹ آدورز
-	E-614	PSI-613	GS-612	LP-611	CS-601	URD-604	URD-603	کورس کوڈ
-	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز

-	تاریخ ادب اردو اور ادبی تحریریں	اردو ناول کا فنی و فکری مطالعہ	اردو داستان اور ناول فکری و فنی مباحث	اردو زبان - قواعد و املا	نثری اصناف: تعارف اور تفہیم (حصہ دوم)	پانچواں سمسٹر کل ۱۷ کریڈٹ آدورز
-	URD-611	URD-610	URD-609	URD-606	URD-605	کورس کوڈ
-	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز
اردو نثر کے اسالیب	اردو نظم فکری و فنی مطالعہ	اردو ناول کا ارتقا بیسویں صدی تا حال	اردو افسانہ اور ڈرامہ فکری اور فنی مطالعہ	ادبی اصطلاحات	بیان و بديع و عروض	چھٹا سمسٹر کل ۱۵ کریڈٹ آدورز
URD-615	URD-614	URD-613	URD-612	URD-608	URD-607	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز

ایکٹو-II	ایکٹو-I	ریسرچ ورک / تیز کرہ نگاری اور اردو میں تیز کرہ نگاری کی روایت	اصول تحقیق و تدوین	لسانیات	ساتواں سمسٹر کل ۱۷ کریڈٹ آدورز
-	-	URD-618	URD-617	URD-616	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز
ایکٹو-VI	ایکٹو-III	اقبال کا خصوصی مطالعہ (فکری و فنی مطالعہ اور تشریح متن)	نئے تنقیدی مباحث	ریسرچ ورک / اردو میں ادبی تحقیق کی روایت	آٹھواں سمسٹر کل ۱۵ کریڈٹ آدورز
-	-	URD-621	URD-620	URD-619	کورس کوڈ
3(3-0)	3(3-0)	3(3-0)	3(3-0)	3(3-0)	کریڈٹ آدورز

## Facilities

**Departmental Library:** In departmental Library, there are 1000 books covering a wide range of Urdu Adab and Theqeeq. The library also has a vast collection of prestigious journals.

**Computer Lab:** There is a computer available along with internet facility a large number of international research journals also available on Digital Library provide by Higher Education Commission and research article of interest can also down loaded.

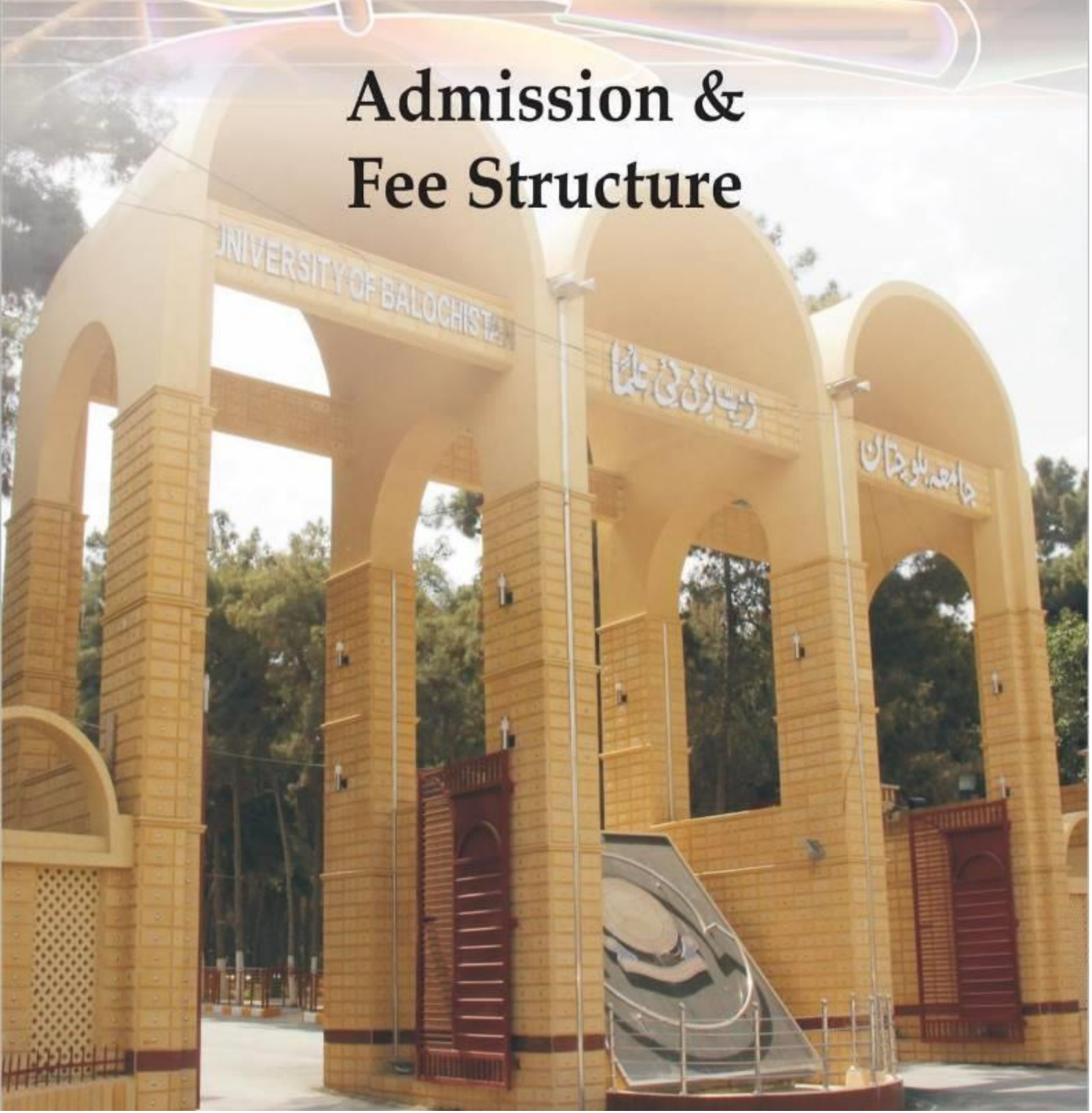
**Multimedia:** Multimedia and overhead projector aids are used in the class rooms, Seminars and conferences to facilitate the students learning experience.







# Admission & Fee Structure



## Program of Study

- BS : 4 year
- Pharmacy : 5 year

## Eligibility

- Candidates holding F.A/F.Sc, or its equivalent certificate/diploma from any recognized institution, with at least 45% Marks are eligible to apply for admission.
- Admission will be allowed only to those applicants who have passed the qualifying examination at most two years prior to the year of admission i.e 2019/2020. However, in the departments where the numbers of applicants are less than the number of seats available; relaxation of one more year can be given.

## Ineligibility

- Applicants who do not fulfill the academic prerequisites.
- Candidates who passed the qualifying examination in Bi-Annual / Supp: **2020** will not be eligible for admission this year.

## Important

- Admissions in all disciplines will be granted on purely merit basis.
- Preference will be given to fresh Intermediates.
- The candidate who have been appeared in Intermediate Annual Examination **2020** and their result is awaited can also apply for admission.

## Number of Seats Available for BS Degree Programs

- The total number of seats in each Department/Institute/Center/ in each program of study will be fifty (50) included the allocated seats under category 'B & C' respectively.
  - **Category 'A'**- Local and Domicile of Balochistan
    - Open merit: Balochistan 10%
    - Open merit: Quetta District 15%
    - Open merit: Districts other than Quetta 75%
    - Personnel Serving in Balochistan – Category "B" (Non-Local & Non-Domicile) Daughter/Son/Spouse/Brother/Sister maximum 03 seats in each program of study.
  - **Category "B"** Direct dependents (son/daughter/wife/husband/sister/brother) of the Federal Government and Autonomous organizations personnel serving in Balochistan who are non-local/non-domicile of Balochistan Province.  
(Category "B" applicants will submit their application forms to the Undergraduate Studies Office (UGSO) by the due date attached with the required documents and an affidavit specimen of which is at appendix: I
  - **Category "C"** applicants applying against reserved seats will submit their application forms to the (UGSO) by the due date with the required documents and an affidavit, specimen of which as at Appendix II. However, departments of University Employees will submit their application forms. The concerned will tick Category "A" and "C"



**Reserved seats for  
CATEGORY: C in various disciplines**

S.#	Categories	Allocation of Seats	Procedure	
1	Azad Jamu & Kashmir	Arts Faculty Science Faculty	01 01	Applications along with proper nomination letter from the concerned quarter to be submitted to (UGSO), UoB.
2	FATA	BS Degree Program	05	Applications along with proper nomination letter from the concerned quarter to be submitted to (UGSO), UoB.
3	Foreign Students	Arts Faculty: Science Faculty:	02 05	Applications to be submitted in the (UGSO), UoB, for onward transmission to the concerned quarter after admission is finalized.
4	Afghan Refugees	Arts Faculty: Science Faculty:	05 05	Applications to be processed through Ministry of Economic Affairs and Statistics (Economic Affairs Division) Govt. of Pakistan Islamabad.
5	N.A (Northern Area)	Arts Faculty: Science Faculty:	01 01	Applications along with proper nomination letter from the concerned quarter to be submitted to (UGSO), UoB.
6	Direct dependents of Pakistanis working abroad (Son/ Daughter /spouse / Brother/ Sister)	Arts Faculty Science Faculty:	05 05	Application to be submitted through HEC Islamabad.
7	Direct dependents of University Teachers/ Officers/ Employees (Son. Daughter/ Spouse/ Brother/ sister)	Three (03) seats in each section on merit amongst the applications	-	Applications to be submitted to the (UGSO), UoB.
8	Disabled Persons (Balochistan only)	Arts Faculty: Science Faculty:	02 02	Applications along with disability certificate issued from the Balochistan Provincial Standing Medical Board Provincial Health Directorate to be submitted to (UGSO), UoB.
9	Sports Quota (Balochistan only) Seven faculties	01 each program of study	-	The applications along with sports certificates will be submitted to the (UGSO), UoB in due date.

**\*Note: University of Balochistan reserves the rights to decrease or increase the number of seats.**

## Admission

<u>Examination</u>	<u>Weightage</u>
• Matriculation	40%
• Intermediate	60%

## Admission Procedure

### How to apply

- Candidates will have to go through University website for generating online admission form available <http://app3.uob.edu.pk/ugso/admission.html>
- Each candidate will have to get the bank challan of Rs.1000/- (Non-refundable) from any HBL/ABL branches.
- Moreover, applicant/s who wish to apply for admission in more than one teaching departments will deposit Rs. 500/- (non-refundable) in addition to Rs.1000/- positively in separate challan.
- **Candidates applying in Pharm-D/DPT shall have to deposit an additional amount of Rs.1000/- (NTS fee) through online bank challan HBL/ABL (Non-refundable).**
- Prospectus will be available on the same link.

## Submission of Online Forms:

### Please visit the link:

<http://app3.uob.edu.pk/ugso/admission.html>

- There are 4 steps to be taken carefully while filling the online Admission Form as there will be no change/edit option). If any change is required, consult Students Affairs Branch.
- Candidates seeking admission will submit the admission form in hardcopy (02 Sets with all relevant documents) in the concerned department/ institute/ centre/sub-campuses upto **18<sup>th</sup> August, 2020** positively.
- Candidates applying for admission under category B, C including (Sports Quota) will submit their forms (complete in all respects) in the office of the Assistant Registrar (Students Affairs) with in due date.

## Documents required to be attached:

**All photocopies of the relevant documents should be attested by gazetted officer 17 and above.**

- Four recent passport size photographs duly attested. (Male/Female)
- Attested copy of character certificate from the Head of the Institution last attended.
- Three attested photocopies of Matric Certificate.
- Three attested photocopies of Local / Domicile Certificate.
- Three attested photocopies of CNIC (each) of the applicant's & their father's / guardian's.
- Three attested photocopies of character certificate from head of the Institution last attended.
- Attested copy of Local or Domicile Certificate of the Province of Balochistan.
- Original documents will be shown at the time of Interview and will be checked by the Chairman/ Director/ Incharge, Admission Committee of the concerned department/institute/centre/campuses.
- Affidavit (in original) from Magistrate 1<sup>st</sup> Class to the effect that you will not indulge in any kind of political activities during studies in the University. (For all candidates).
- Candidates applying under category 'B' shall submit an Affidavit (in original) dully attested by the Magistrate 1<sup>st</sup> Class and countersigned from the employer where the dependent's (i.e father/mother/brother/sister/spouse) is serving.
- Applicants must collect acknowledgement receipt for each application form from the concerned department/institute/centre/sub-campuses which shall be produced at the time of interview.

***Applicants will have to bring with them their original documents at the time of interview; otherwise will not be considered for the admission, applied for.***

**Criteria:**

1. Admission in all the Teaching Departments shall be given as per existing University Policy.
2. Interview of the eligible candidates will be held in all the concerned Teaching departments/institutes/centres/sub-campuses as per schedule given below:
3. **NTS** where applicable (morning/self-finance evening programs) shall be qualified by securing 50% marks by each applicant.
4. If a candidate fails to make payment to admission dues up to the last date so fixed, his/her admission will stand cancelled and the next on waiting list will be considered for admission. In such a case he/she cannot claim his/her admission; however, if seats were available in the concerned department, he/she will also be given a chance to deposit the prescribed dues.

***For queries please feel free to visit or contact Students Affairs Branch):***

**Address:** Centre of Excellence in Mineralogy, University of Balochistan, Sariab Road, Quetta.

Tel: +92 81 9211008 (Ext: 1256), Cell: 0332-3461476 (Monday to Friday during office hours 08:00 am to 04:00 pm), Web: [www.uob.edu.pk/ugso](http://www.uob.edu.pk/ugso), email: [ugso@uob.edu.pk](mailto:ugso@uob.edu.pk)



## Attendance, Dropout

- A student will be allowed to appear in examination only if he/she has attended, not less than 75% of the lectures/seminars delivered to his/her class in each course and 75% of the practicals/laboratory demonstrations prescribed for the respective courses.
- Calculation of attendance will start from the date of commencement of classes.
- A date-wise record of the attendance of students shall be maintained by the respective teacher in each course. One week before the commencement of the final examination, the teacher of each course shall send to the Chairperson/Director/Incharge of the Department/Institute/Centre/Cmpuses a statement in duplicate giving the total number of lectures delivered (practicals conducted) by him together with the total number of lectures and practicals attended by each student.
- The period of absence in case of participation in co-curricular/sports activities outside the University of Balochistan, Quetta, with the permission of the Competent Authority may not be counted, as absence.
- Students having class attendance less than 75% in a particular course shall be awarded „F“ grade in that course and he/she shall be required to repeat the same course, if it is a compulsory course or an equivalent course in lieu thereof, if it is an optional course.
- Absence from class for two consecutive weeks or more (two weeks means six classes for a three credit hours course and four classes for a two credit hours course) without any genuine reason shall entail cancellation of admission in the course by the class teacher which would only be restored on appeal to the concerned teacher made within 05 days of the cancellation order with payment of Rs.1000/-. The class teacher will inform the Chairperson/Director/Incharge of the Department/ Institute/ Centre/ Campuses regarding cancellation and restoration of admission in the course. However, the payment of Rs.1000/- will not remove the absence of a students from the attendance sheet and it will be counted while calculating the percentage of total attendance of the student for the purpose of examination.
- Absence from a class for four consecutive or more weeks, will debar the student from examination and the course will be considered dropped. He / she will be required to repeat it.
- Students shall have to be punctual and regular to attend all lectures / seminars, laboratory periods, and fieldwork as required for each course during the semester session. A student shall be eligible to appear in the terminal examination of a course provided that he/she has attended not less than 75% (cumulative) of lectures / seminars delivered in that course. He has to complete 75% attendance in the laboratory / field work for grading of laboratory / field work course.
- The name of a student will be drop out if his monthly attendance is less than 25% by the Head of Department/Institute/Centre.

## Academic Standards

- To earn course credits, a student must obtain a minimum of 1.00 grade points in that course.
- A student must obtain a minimum CGPA of 2.0 for award of a Degree in Grade C.
- A grade 'F' will be awarded to a student in a course for not achieving the desired competence i.e. less than fifty percent marks. The student will have to reappear in all assignments, quizzes, mid-term and terminal examinations when offered subsequently. No special classes will be conducted by the Department/Institute/Centre for such students.

## The Distribution of Marks

A student shall be evaluated in each course on the basis of various components of the study including class attendance/participation, assignments, projects / lab reports, presentation, quizzes, sessional tests, mid-term, and terminal examinations according to the following weightage assigned to each category.

Type of Assessment	Courses with Lab	Courses without lab
Quizzes	05%	15%
Mid Semester Exam	20%	30%
Assignments/Reports	10%	15%
Practical	25%	-
Terminal Exam	40%	40%

## Grading Policy

- Letter grading should only be used for representing the individual courses and not report the semester GPA/CGPA and letter grad should be reflect in DMC transcript.
- The following range of grade points for each letter grade will be followed;

<u>Marks Range (in %)</u>	<u>Grade Point (Value)</u>	<u>Grade</u>
90 and above	4.00	A+
85 – 89	4.00	A
80 – 84	4.00	A-
75 – 79	3.5 – 3.9	B+
73 – 74	3.3 – 3.4	B
70 – 72	3.0 – 3.2	B-
66 – 69	2.6 – 2.9	C+
63 – 65	2.3 – 2.5	C
60 – 62	2.0 - 2.2	C-
50 – 59	1.0 -1.9	D
0 – 49*	0.00	F
Incomplete	-	I
Withdrawal	-	W

*\*fraction is to be rounded up to two decimal.*

<b>% Marks</b>	<b>Grade point Value</b>	<b>Grade</b>
<b>GRADE – A</b>		
90 and above	4.00	A+
85-89	4.00	A
80-84	4.00	A-
<b>GRADE – B</b>		
79	3.9	B+
78	3.8	B+
77	3.7	B+
76	3.6	B+
75	3.5	B+
74	3.4	B
73	3.3	B
72	3.2	B-
71	3.1	B-
70	3.0	B-
<b>GRADE – C</b>		
69	2.9	C+
68	2.8	C+
67	2.7	C+
66	2.6	C+
65	2.5	C
64	2.4	C
63	2.3	C
62	2.2	C-
61	2.1	C-

60	2.0	C-
<b>GRADE –D</b>		
59	1.9	D
58	1.8	D
57	1.7	D
56	1.6	D
55	1.5	D
54	1.4	D
53	1.3	D
52	1.2	D
51	1.1	D
50	1.0	D
<b>GRADE – F</b>		
0-49		<b>F</b>
Withdrawn course		<b>W</b>
Incomplete course		<b>I</b>

- **Minimum CGPA requirement for 04/5 years degree program**

Semester	GPA/CGPA Required
1 <sup>st</sup> Semester	1.00 GPA
2 <sup>nd</sup> Semester	1.50 CGPA
3 <sup>rd</sup> Semester	1.75 CGPA
4 <sup>th</sup> Semester	2.00 CGPA
5 <sup>th</sup> Semester	2.00 CGPA
6 <sup>th</sup> Semester	2.00 CGPA
7 <sup>th</sup> Semester	2.00 CGPA
8 <sup>th</sup> Semester	2.00 CGPA
9 <sup>th</sup> Semester	2.00 CGPA
10 <sup>th</sup> Semester	2.00 CGPA

ails to pass certain courses and yet manage to maintain his / her GPA equal to or above minimum requirement, then he / she will be allowed to repeat and clear the course(s) before the degree is awarded to him / her.

- There shall be no probation in semester system at any stage.
- GPA/CGPA is computed at the end of each semester.
- A student will not be allowed to sit for terminal examination of any semester unless he has no outstanding dues for the said semester. Accounts Branch of the University will issue a clearance certificate in this regard.



## Students Code of Conduct-Discipline

- No Student shall:
  - Do, or propagate, anything repugnant to Islam within and outside the precincts of the University/College.
  - Say or do anything which might adversely affect the honour and prestige of Pakistan, the University teachers and his/her educational institution.
  - Smoke in the classroom, laboratory, workshop, library and examination hall.
  - Form or associate him / herself with an organization / society / club or any other body promoting inciting parochial / linguistic / regional feelings.
  - Organize or hold any function in the University except in accordance with the prescribed rules/regulations.
  - Collect money; receive donations or pecuniary assistance for or on behalf of the University or any University Organization except with the written permission of the Vice Chancellor.
  - Stage, incite or participate in a walkout, strike or any other form of agitation which might create or is likely to create law and order problem for the University and affect, or is likely to affect, its smooth functioning.
  - Indulge in immoral activities, use indecent language, wear immodest dress, make indecent remarks, jokes or gestures or behave in an improper manner.
  - Cause disturbance to others.
  - Disturb the peace and tranquility of the Institution.
  - Keep or carry weapons, narcotics, immoral or subversive literature and use non-salutary or abusive language or resort to violence against fellow student or employee of the University.
- **Violation of any of the above will be considered misconduct and liable to disciplinary action.**
- **Disciplinary Action**
  - Disciplinary action by the Principal of a Constituent / Affiliated College/Chairman of the University Teaching Department/ Director of an Institute/Center and the Discipline Committee against the student(s) may be taken in one or more of the following forms depending upon the severity of the offence:
    - A student may be fined.
    - A student may be placed on probation for a fixed period. If during the period of probation he/she fails to improve his/her conduct, he/she may be rusticated or expelled.
    - A student may be debarred from a College / Institute / Center / Department for a period not exceeding two weeks at a time.
    - A student may be rusticated / expelled or asked to withdraw from the College/Institute/Center/Department in the manner mentioned in the regulations relating to rustication, expulsion and withdrawal.

## Regulations Relating to Rustication, Expulsion and Withdrawal

- Rustication, whenever imposed on a student, shall always mean the loss of one academic year so far as his/her Examinations are concerned. The period of absence will, however, depend upon the time of the year when the penalty is imposed.
- The Vice Chancellor may at his discretion, permit to rejoin the class in the same College/Department/Institute/Center at the beginning of the next academic year.
- A rusticated student once re-admitted and again found creating disturbance/ indiscipline, etc. will be expelled from the University.
- A student expelled from the University shall not be re-admitted into the same University without the approval of the Syndicate. Re-admission shall in no case be granted before the expiry of one academic year from the date of expulsion.

## Code of Honor

Being a student in the University is a matter of privilege, prestige and honor. All students are expected to conduct themselves with honor and dignity. The following Code of Honor enunciating the basic principles of conduct expected of a student should be propagated by the Principals of the Constituent Colleges and the Chairman/Directors/Incharges of the University Teaching Departments / Institutes / Centers/ Campuses:

- All Students must have faith in and respect for the ideology of Pakistan.
- All Students must in matters of religion respect the convictions of others.
- Every student is expected to:
  - Be Loyal to Pakistan;

- Obey the Law of the land as well as the rules & regulations of the University;
- Maintain law and order as well as the dignity and prestige of the University;
- Protect the property of the University;
- Show due respect to elders, teachers and outside visitors;
- Work hard and co-operate in completing the courses of study within the prescribed period.

## Facilities

- **Central Library** plays a vital role in the academic life of a University. The fundamental role of the library being educational, it should not be considered as mere storehouse of books, but as a dynamic instrument of education. The Central Library of the University is organized on these lines. The library collections support not only every course in the curriculum but also include selected stock of general material of books, periodicals, publications, newspapers etc. The total number of books in the Central Library is 150,000. The whole library system is being computerized and online library service will be available through a network after the completion of the computerization process. A large number of International Research Journals are also available on Digital Library provided by Higher Education Commission and research articles of interest can also be downloaded.
- **Digital Library:** The University of Balochistan has established a digital library to provide researchers, faculty members and students of the University access to the International scholarly literature. The facility is based on electronic (online) delivery system. The Digital Library also provides access to high quality peer-reviewed journals database and articles on a wide range of discipline. The facility could be availed by the faculty members and students of the University on provision of his/her identification card. The facility is restricted to online journals for the University of Balochistan through University of Balochistan website i.e. [www.uob.edu.pk](http://www.uob.edu.pk).
- The internet connectivity and link to Digital Library provided by the Information Technology Directorate has access to over 5,000 books and 25,000 online journals. For maximum utilization of Digital Libraries all over the Worlds, the Directorate of Information Technology has established a Computer Lab in the Central Library and ensured its operation during University working hours, so that the students may benefit from it. This all has become possible due to the high speed connectivity of PERN (Pakistan Educational Research Network). The number of Computer Units in the digital library has been increased to 80.
- **Computer Laboratories:** Computers have been provided to the Departmental Computer Laboratories. This service is provided to the Central Library and to the Academic Departments/Institutes/Centers and available over long hours. In the Central Labs, PCs are provided, offering a range of standard office software for document creation and presentations. Specialist provision is available to support research and advanced study within the University. Computers in all departments /institutes/Centers/Sections are connected to the University's main server through Local Area Network and Wide Area Network (LAN/WAN) giving access via the internet to the major information, research and communications networks worldwide.
- **Video Conference Center:** The University of Balochistan with the help of Higher Education Commission has established a Video Conferencing Center. The main objective of this Video Conference is to enhance student-teacher interaction through distance learning at global-level, bridge the gap of good faculty, meet the shortage of faculty members at the University and ultimately to uplift the standard of education in Balochistan.
- **Hostels:** There are 16 double story blocks of hostels on the Campus for male students with a total capacity for 1300 residents, for female students and Lady teachers, there is a hostel block with 64 rooms to accommodate 210 inmates. The students hostels have all the facilities e.g. Furniture, Mess, Common Room, T.V Lounge, Telephone etc. Hostel administration consists of Senior Provos, Provosts, Senior Warden and one Resident Warden for each hostel.
- **Medical Center / Health Care:** A Medical Centre for meeting the needs of the community is functioning. It is reasonably equipped, looked after by two doctors (Male and Female) and assisted by qualified staff at the Campus. Complicated cases are referred to the specialists in the Civil Hospital, B.M.C. Complex, C.M.H. and Children Hospital. Ambulance service is also available in case of emergency.
- **Bank and Post Office:** A branch of Habib Bank and Post Office are available within the premises of the University.

- **Transport:** The University of Balochistan operates a fleet of buses which provide Pick and Drop facility to the students. Transport facility is also available for social-work, field work and field visits of students of Geology, Botany, Zoology and other departments on need basis.
- Study Tour Students Study Tours are considered educational as well as part of the University's co-curricular activities. Each student may participate at least once in a study tour arranged by the concerned Teaching Department during his/her stay at the University. Study tours are partly financed by the student's and supplement- ed by the University, subject to availability of funds.
- Co-Curricular Activities
  - Golden Week.
    - The University places due emphasis on co-curricular activities to ensure overall grooming of the personality of its students. Co-curricular activities form an integral part of the University's endeavors to provide its students an opportunity to build up skills and gain experience in so many fields.
    - By encouraging its students to participate in co-curricular activities the University makes a conscious effort to build and strengthen their confidence required to meet the challenges of practical life effectively.
- Dramatics, Debate competitions, Art exhibitions, Poetry writing Competitions, Quiz Competitions, Dialogues and Essay Writing Competitions are some of the co-curricular activities that are managed by the University during the Golden Week.
- Sports Week Special endeavors are made to organize games and sports on the campus. There are well established play grounds for football, cricket, basketball, volleyball and Tennis. The students have been participating in the National, Provincial and Inter-University tournaments and have won many prizes. The University organizes regular activities in a number of sports and games. It also arranges Inter-University sports competitions in Athletics, Football, Hockey, Volley Ball, Cricket, Badminton, Table Tennis, Tug of War, Basket Ball etc. Separate sports facilities exist for girls. The sports activities are looked after by the Director of Sports. A National level Gymnasium has been built that provides indoor sports activities.
- Audio Visual Aids Audio-visual aids are used in the class rooms, seminars and conferences to facilitate the students learning process.
- Tutorial and Guidance Tutorial and Guidance service is available to the University students. The Tutors Facilitates the learning process of the students and enable them to make positive guidance and counseling to the students in the establishment of their educational and professional goals. During the course of studies, the Tutors keep in touch with the progress and development of the students and help to solve some of the individual psychosocial problems which are likely to obstruct their academic performance.
- **Career Counseling Cell:** A career counseling cell exists to guide the students for their future career/jobs. It helps the students to establish and achieve their vocational goals and solve some of their individual queries. It also arranges lectures/presentations by future employers.
- **Quality Assurance & Accreditation Directorate:**
  - Developing a viable and sustainable mechanism of Quality Assurance in Balochistan University in order to meet the rising challenges of transforming the province into a knowledge economy.
  - To execute the program on quality assurance at the University of Balochistan through internal assessment.
- Student Financial Aid Office Responsible for awarding scholarships under HEC's different schemes annually.
- Office of Research Innovation & Commercialization: Innovations, Summits, Research Workshops, Seminars, Conferences.



Category B

**AFFIDAVIT SPECIMEN**

(Balochistan Non-local / Non-Domiciled Applicants who are  
Direct dependents of personnel serving in Balochistan  
(Son/Daughter, Brother/Sister, Husband/Wife)

(To be submitted on judicial stamp paper along with attested Photostate/ copies of N.I.C. of  
the applicant and the deponent)

Applicant Name: \_\_\_\_\_

Father Name: \_\_\_\_\_

C.N.I.C. No of Applicant \_\_\_\_\_

Postal Address: \_\_\_\_\_

\_\_\_\_\_

The deponent declares on oath / solemn affirmation that the  
Applicant \_\_\_\_\_ S/o/D/o \_\_\_\_\_  
Seeking admission in the \_\_\_\_\_ Department  
of University of Balochistan, Quetta is my:

Son / Daughter: (b) Real Brother / Real Sister (c) Husband / Wife

The Deponent swears / solemnly affirms that the above said declaration submitted is true  
and that it conceals nothing and that no part of it is false.

	Deponent.
Name.	_____
Designation	_____
C.N.I.C No.	_____

**CERTIFICATION**

It is certified that Mr. Miss/Mrs. \_\_\_\_\_ S/D/O \_\_\_\_\_ is  
An employee of \_\_\_\_\_ Designation \_\_\_\_\_  
and at present serving in the province of Balochistan from \_\_\_\_\_

**Attested by**  
**Magistrate/Oath Commissioner**

**Signature**  
**Head of the Organization**  
**(Name & Stamp)**  
Name: \_\_\_\_\_  
Designation: \_\_\_\_\_

Category C

**AFFIDAVIT SPECIMEN**

(To be submitted by the University Teacher / Staff/ Employee on  
Judicial stamp paper with the Photostat copies of the  
CNIC of the applicant and the deponent)

Applicant Name: \_\_\_\_\_

Father Name: \_\_\_\_\_

C.N.I.C. No of Applicant \_\_\_\_\_

Postal Address: \_\_\_\_\_

The deponent declares on oath / solemn affirmation that the applicant \_\_\_\_\_  
Seeking admission in the Department of \_\_\_\_\_ University of Balochistan, Quetta is my:  
Son / Daughter (b) Real Brother / Real Sister (c) Husband / Wife  
And that it conceals nothing and that no part of it is false.

Deponent.

Name. \_\_\_\_\_

Designation \_\_\_\_\_

C.N.I.C No. \_\_\_\_\_

**CERTIFICATION**

It is certified that Mr. Miss/Mrs. \_\_\_\_\_ S/D/O \_\_\_\_\_ is  
An employee of \_\_\_\_\_ Designation \_\_\_\_\_ and  
at present serving in the deptt/ Section \_\_\_\_\_ Govt: of Balochistan / Pakistan.

**Oath Commissioner / Magistrate**

**Signature  
Head of Deptt  
(Name & Stamp)**

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

**AFFIDAVIT SPECIMEN**

**UNDERTAKING BY THE STUDENT**

(To be submitted on the judicial stamp paper)  
(As per order of Supreme Court of Pakistan dated 1<sup>st</sup> July 1992)

I am seeking admission in the university of Balochistan, Quetta do hereby undertake that while studying in the University I will not indulge in any sort of politics. And if ever during my studentship I found indulging in politics, I may be expelled from the University without any notice.

**Signature of applicant**

**UNDERTAKING BY THE STUDENT**

(This undertaking is also to be submitted on judicial stamp paper separately)  
(As per Order of Supreme Court of Pakistan dated 1<sup>st</sup> July, 1992)

I \_\_\_\_\_ Parent/Guardian of \_\_\_\_\_ who is seeking admission in the university of Balochistan, Quetta do hereby undertake that while studying in the university he/she shall not indulge in any sort of politics. And if ever during the studentship is found indulging in politics, he/she can be expelled from the University without any notice.

Date: \_\_\_\_\_

**Signature of Parent / Guardian**

**(UNDERTAKING BY THE CANDIDATE)**

(To be signed by the student at the time of admission in the Educational Institutions) I Solemnly Undertake that:

- I:
- i. I do not hold Master's Degree in my Subject
  - ii. I am not enrolled at present in any of the University teaching Department / institute / Centers / affiliated College.
- II:
- i. I shall make one person literate so that he she will be able able to:
  - i. Write his / her name.
  - ii. Make simple calculations.
  - iii. Read and write a simple statement

OR

Read and write Qurani Quaida e.g. "Yassarnal Quran"

**Signature of the Candidate**

**N.B FOR FURTHER INSTRUCTIONS PLEASE SEE EXTRACTS OF ADMISSION RULES.**

## Oath Certificate

### **I solemnly undertake to abide by the following Code of Conduct:**

- That during my stay in the University, I shall diligently apply myself to acquire and develop the knowledge, skills and attitudes necessary for the practice and advancement of the field of study in which I will be enrolled.
- I shall participate fully and whole-heartedly in sports, games and other co-curricular activities.
- I shall have minimum attendance of 75% in order to qualify for the examinations.
- That I shall maintain identity as a student of the university by wearing gown or badge as may be prescribed by the university.
- That I shall never use violence or threat of violence or other sort of pressures in resolving any dispute. I shall only use logic, persuasion, petition, appeal revision, review and other legal and peaceful methods for the settlement of differences and disputes.
- That in any conflict or disputes if any with fellow students or teachers or employees of the University. I shall accept the judgment of the authorities constituted by the University.
- That I accept all provision of the statutes, regulations and rules of the University or the statutes, regulations and rules as may hereafter be framed by the appropriate authorities of the university.
- I will deposit my admission fee after declaration of admission, if I fail my admission has been cancelled will not claim any right of it.

### **Further I undertake to refrain from:**

- Doing anything which may cause insult to head of institution, teachers, officers and other staff of the institution.
- Holding a gathering, or meeting, or taking out processions in any part of the university campus other than areas specified for the purpose, and with due permission.
- Indulging in any kind of unfair means, malpractice in examinations and coercion by any means.
- Allowing or abetting the entry into the premises of the University of Expelled Students, antisocial elements or other groups whose presence on the campus could cause conflict amongst the students.
- Bringing into the campus consuming or encouraging consumption of alcoholic products, drugs and narcotics, and indulging in act of moral turpitude.
- Bringing or keeping any type of weapons within the University premises.
- Using or occupying any room or part of any building of the institution without lawful authority.
- Damaging any University property including buildings, equipment, vehicles etc.in any manner.
- From all such acts and deeds as might bring disgrace and bad name to the University.

**Countersigned by parents / Guardians)**

**(Signature of the Candidate)**

## FEE STRUCTURE BS PORGRAM SESSION 2020 TO 2024/2025

Department/ Institute	Description	1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester	
BS 4 Year (8 Semester) Programs (Physic/ Chemistry/ Mathematics/ Statistics/ Zoology/ Botany/ Biochemistry/ Microbiology/ Geology/ Geography/ Renewable Energy/ Seismology/ Geophysical Studies/ Disaster Management & Dev. Studies/ Environmental Science/ Archaeology/ Anthropology)	Admission Fee	1,210	-	-	-	-	-	-	-	
	Tuition Fee	5,900	5,900	6,490	6,490	7,139	7,139	7,852	7,852	
	Security Fee	182	182	200	200	220	220	242	242	
	ID Card Fee	60	60	66	66	72	72	80	80	
	Computer Lab Fee	1,210	1,210	1,330	1,330	1,463	1,463	1,610	1,610	
	Department Lab Fee	1,210	1,210	1,330	1,330	1,463	1,463	1,610	1,610	
	Sports Fee	605	605	665	665	732	732	805	805	
	Transport Fee	1,100	1,100	1,210	1,210	1,330	1,330	1,463	1,463	
	Departmental Library Fee	363	363	400	400	440	440	484	484	
	Central Library Fee	2,420	-	-	-	-	-	-	-	
	Examination Fee	1,452	1,452	1,573	1,573	1,730	1,730	1,903	1,903	
	DMC Fee	330	330	363	363	400	400	440	440	
	Degree Fee	-	-	-	-	-	-	-	-	3,000
	<b>Total</b>	<b>16,042</b>	<b>12,412</b>	<b>13,627</b>	<b>13,627</b>	<b>14,989</b>	<b>14,989</b>	<b>16,489</b>	<b>16,489</b>	<b>19,489</b>
<b>Grand Total Rs. 121,664/-</b>										

Department/ Institute	Description	1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester	
Semesters) Programs English/ Media Studies/ Gender Dev. St./ Philosophy/ Psychology/ Sociology/ Social Work/ Pol. Sc./ IR/ Lib. & Info. Sc./ History/ Islamic St./ Pak St./Balochi/ Brahui/ Pashto/ Persian/ Urdu/ Commerce	Admission Fee	1,210	-	-	-	-	-	-	-	
	Tuition Fee	3,480	3,480	3,828	3,828	4,210	4,210	4,630	4,630	
	Security Fee	182	182	200	200	220	220	242	242	
	ID Card Fee	60	60	66	66	72	72	80	80	
	Computer Lab Fee	1,210	1,210	1,330	1,330	1,463	1,463	1,610	1,610	
	Transport Fee	1,100	1,100	1,210	1,210	1,330	1,330	1,463	1,463	
	Sport Fee	605	605	665	665	772	772	805	805	
	Departmental Library Fee	1,100	1,100	1,210	1,210	1,339	1,339	1,463	1,463	
	Central Library Fee	330	330	363	363	400	400	440	440	
	Examination Fee	1,452	1,452	1,600	1,600	1,760	1,760	1,936	1,936	
	DMC Fee	330	330	363	363	400	400	440	440	
	Degree Fee	-	-	-	-	-	-	-	-	3,000
	<b>TOTAL</b>	<b>11,059</b>	<b>9,849</b>	<b>10,835</b>	<b>10,835</b>	<b>11,966</b>	<b>11,966</b>	<b>13,109</b>	<b>13,109</b>	<b>16,109</b>
	<b>Grand Total Rs. 95,728/-</b>									



Department/ Institute	Description	1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester	
<b>BS 4 Year (8 Semesters) Programs (BBA/BPA/BS(CS)/BS(IT))</b>	Admission Fee	1,100	-	-	-	-	-	-	-	
	Tuition Fee	3,300	3,300	3,630	3,630	3,993	3,993	4,392	4,392	
	Security Fee	182	182	200	200	220	220	242	242	
	ID Card Fee	60	60	66	66	72	72	80	80	
	Computer Lab Fee	1,210	1,210	1,330	1,330	1,463	1,463	1,610	1,610	
	Transport Fee	1,100	1,100	1,210	1,210	1,330	1,330	1,463	1,463	
	Sport Fee	605	605	665	665	772	772	805	805	
	Departmental Library Fee	363	363	400	400	440	440	484	484	
	Central Library Fee	2,420	2,420	2,620	2,620	2,882	2,882	3,170	3,170	
	Examination Fee	1,452	1,452	1,573	1,573	1,730	1,730	1,903	1,903	
	DMC Fee	330	330	363	363	400	400	440	440	
	Degree Fee	-	-	-	-	-	-	-	-	3,000
	<b>Total</b>	<b>12,122</b>	<b>11,022</b>	<b>12,057</b>	<b>12,057</b>	<b>13,302</b>	<b>13,302</b>	<b>14,589</b>	<b>17,589</b>	
	<b>Grand Total Rs. 106,040/-</b>									

Department/ Institute	Description	1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester	
<b>BS 4 Year (8 Semesters) Program Fine Arts</b>	Admission Fee	1,210	-	-	-	-	-	-	-	
	Tuition Fee	3,480	3,480	3,828	3,828	4,210	4,210	4,630	4,630	
	Security Fee	182	182	200	200	220	220	242	242	
	ID Card Fee	60	60	66	66	72	72	80	80	
	Computer Lab Fee	1,210	1,210	1,330	1,330	1,463	1,463	1,610	1,610	
	Sport Fee	605	605	665	665	772	772	805	805	
	Transport Fee	1,100	1,100	1,210	1,210	1,330	1,330	1,463	1,463	
	Departmental Library Fee	330	330	363	363	400	400	440	440	
	laboratory / Field Work Fee	1,210	1,210	1,330	1,330	1,463	1,463	1,610	1,610	
	Central Library Fee	2,420	2,420	2,662	2,662	2,928	2,928	3,220	3,220	
	Examination Fee	1,452	1,452	1,600	1,600	1,760	1,760	1,936	1,936	
	DMC Fee	330	330	363	363	400	400	440	440	
	Degree Fee	-	-	-	-	-	-	-	-	3,000
	<b>Total</b>	<b>13,589</b>	<b>12,379</b>	<b>13,617</b>	<b>13,617</b>	<b>15,018</b>	<b>15,018</b>	<b>16,476</b>	<b>19,476</b>	
<b>Grand Total Rs. 107,964/-</b>										

Department/ Institute	Description	1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester	
<b>B.Ed (Hons) 4 Year (8 Semesters)</b>	Admission Fee	1,210	-	-	-	-	-	-	-	
	Tuition Fee	4,235	4,235	4,658	4,658	5,124	5,124	5,636	5,636	
	Security Fee	182	182	200	200	220	220	242	242	
	ID Card Fee	60	60	66	66	72	72	80	80	
	Computer Lab Fee	1,210	1,210	1,330	1,330	1,463	1,463	1,610	1,610	
	Sport Fee	605	605	665	665	772	772	805	805	
	Transport Fee	1,100	1,100	1,210	1,210	1,330	1,330	1,463	1,463	
	Educational Institute Visits Fee	1,210	1,210	1,330	1,330	1,463	1,463	1,610	1,610	
	Departmental Library Fee	330	330	363	363	400	400	440	440	
	Central Library Fee	2,420	-	-	-	-	-	-	-	
	Examination Fee	1,452	1,452	1,600	1,600	1,760	1,760	1,936	1,936	
	DMC Fee	330	330	363	363	400	400	440	440	
	Degree Fee	-	-	-	-	-	-	-	-	3,000
	<b>Total</b>	<b>14,344</b>	<b>10,714</b>	<b>11,785</b>	<b>11,785</b>	<b>13,004</b>	<b>13,004</b>	<b>14,262</b>	<b>17,262</b>	
	<b>Grand Total Rs. 106,160/-</b>									

<b>BS 5 Year (10 Semesters) PHARM-D / DPT / BEMS</b>										
Description	1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester	9th Semester	10th Semester
Admission Fee	1,210	-	-	-	-	-	-	-	-	-
Tuition Fee	4,356	4,356	4,791	4,791	5,270	5,270	5,797	5,797	6,377	6,377
Security Fee	182	182	200	200	220	220	242	242	266	266
ID Card Fee	60	60	66	66	72	72	80	80	88	88
Computer Lab Fee	1,210	1,210	1,330	1,330	1,463	1,463	1,610	1,610	1,771	1,771
Sport Fee	605	605	665	665	772	772	805	805	886	886
Transport Fee	1,100	1,100	1,210	1,210	1,330	1,330	1,463	1,463	1,609	1,609
Laboratory/ Field Work Fee	2,420	2,420	2,662	2,662	2,908	2,908	3,199	3,199	3,519	3,519
Departmental Fee	330	330	363	363	400	400	440	440	484	484
Central Library Fee	2,420	-	-	-	-	-	-	-	-	-
Examination Fee	1,452	1,452	1,600	1,600	1,760	1,760	1,936	1,936	2,130	2,130
DMC Fee	330	330	363	363	400	400	440	440	484	484
Degree Fee	-	-	-	-	-	-	-	-	-	3,000
<b>Total</b>	<b>15,675</b>	<b>12,045</b>	<b>13,250</b>	<b>13,250</b>	<b>14,595</b>	<b>14,595</b>	<b>16,012</b>	<b>16,012</b>	<b>17,614</b>	<b>20,614</b>
<b>Grand Total Rs. 153,662/-</b>										



Research



Academic



Innovation



Collaboration



Teamwork



Commercialization



Quality



Innovation



Career



Integrity



Excellence



Responsibility



Scholarship

Registrar

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