



VICE CHANCELLOR'S 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 48 departments under the umbrella of 8 Faculties, 4 specialized Centers, 2 Institutes and 1 Constituent Law College. Beside these, University of Balochistan has 86 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 hundred thousand of Alumni of University of Balochistan are serving at higher professional positions, research organizations, government and development sectors and universities at home and abroad serving the country.

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 I am quite hopeful and wishes for the sparkling future ahead.

God bless you.

*Prof. Dr. Javeid Iqbal
Vice Chancellor*

Foreword

Dear Students,

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



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 University 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.

Muhammad Tariq Jomezai
Registrar

C O N T E N T

1.	Introduction	6
2.	Vision	6
3.	Mission	6
4.	Our Values	6
5.	Governing Body	6
6.	Governance	6
7.	Administration	7
8.	Directorate of Students' Affairs	7
9.	Programs of Study	7
10.	Number of Seats Available	7
11.	Entry Test	9
12.	Determination of Admission	9
13.	Admission Requirements	9
14.	Admission Procedure	9
15.	Documents required	9
16.	Attendance and re-admission requirements	10
17.	Procedure for promotion	10
18.	Students Code of Conduct-Discipline	11
19.	Regulations Relating to Rustication	11
20.	Code of Honor	12
21.	Facilities	12
22.	Affidavit Specimen	15
23.	Fee Structure	19
24.	Faculty of Basic Sciences	23
	24.1 Physics	25
	24.2 Chemistry	29
	24.3 Mathematics	35
	24.4 Statistics	38
25.	Faculty of Management Sciences, Business & IT	41
	25.1 Commerce (M.com)	43
	25.2 Institute of Management Sciences	47
	25.3 Economics	54
	25.4 Computer Science	57
	25.5 Library & information Science	64
26.	Faculty of Life Sciences	67
	26.1 Bio-Chemistry	69
	26.2 Botany	75
	26.3 Microbiology	79
	26.4 Zoology	82

27.	Faculty of Earth & Environmental Sciences	86
	27.1 Geology	88
	27.2 Geography	91
28.	Faculty of Education & Humanities	94
	28.1 Education	96
	28.2 Gender Development Studies	101
	28.3 History	103
	28.4 Islamic Studies	105
	28.5 Media & Journalism	108
	28.6 Philosophy	112
	28.7 Psychology	114
29.	Faculty of Social Sciences	117
	29.1 Balochistan Study Center	119
	29.2 International Relations	122
	29.3 Political Science	124
	29.4 Social Work	127
	29.5 Sociology	130
	29.6 Pakistan Study Center	132
	29.7 Disaster Management & Development Studies	136
30.	Faculty of Literature & Languages	139
	30.1 Balochi	141
	30.2 Brahui	144
	30.3 English Language Center	147
	30.4 English Literature	149
	30.5 Pashto	151
	30.6 Persian	153
	30.7 Urdu Literature	155

UNIVERSITY OF BALOCHISTAN

1. Introduction

- 1.1 Establishment of the University of Balochistan was 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 the country, the University has a challenging frame of reference for its functioning. Balochistan is passing through a process of rapid socio-economic development and needs well qualified and competent Human Capital. The University is cognizant of this need and prepared to provide meaningful higher education to the youth to unlock their hidden potential.
- 1.2 The University is committed to develop and sustain an environment conducive to excellence in teaching, learning, research and spread of knowledge. 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.
- 1.3 The University offers graduate, postgraduate and doctoral programmes of studies in the fields of Basic Sciences, Life Sciences, Earth and Environmental Sciences, Education, Humanities, Management Business and I.T, Social Sciences and in Literature and Languages. BS four years programme of studies in certain disciplines of science 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. Transformation of Human Resource into Human Capital & quality research carried out for social and economic development have been key priorities of the university.

2. Vision

To be a model public University providing 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 levels of ethical and professional standards and promoting national identity.

3. 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

4. Our Values

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

5. Governing Body

See 6.1 to 8.2.1.6

6. Governance

- 6.1. The Governor of Balochistan is the Chancellor of the University. The University Senate chaired by the Chancellor, is the Supreme Governing/Legislative Body of the University.
- 6.2. 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.

7. Administration

- a. Chancellor
- b. Vice Chancellor
- c. Pro Vice Chancellor
- d. Registrar
- e. Treasurer
- f. Controller of Examinations
- g. Director General(Student Affairs)
- h. Director General(P&D)
- I. Chairman FTDC
- j. Director General (E&W)
- h. Director General (Administration)
- i. Director ORIC

8. Directorate of Students' Affairs

- 8.1 Dean Students Affairs very closely associated by Director General, Students Affairs play the Role of chief arbitrator in all matters concerning the students. He deals with all matters pertaining to academic / non-academic matters of the students of the University.
- 8.2. **Role and duties of Directorate of Students' affairs.** The Faculty of Students Affairs perform duties pertaining to academic, financial, extra-curricular and miscellaneous matters in coordination with the Registrar / Heads of Departments and Deans. Its duties are as follows:
 - 8.2.1. **Academics**
 - 8.2.1.1. Admission of Students under category B & C.
 - 8.2.1.2. Selection of students for other universities of the country.
 - 8.2.1.3. Migration from one department to another department.
 - 8.2.1.4. Re-admission cases of the struck off students.
 - 8.2.1.5. Arrange meetings with the Students Advisory Council.
 - 8.2.1.6. Organizing Convocation.

9. Programs of Study

- | | | | |
|------|----------|---|---------|
| 9.1. | MA/M.Sc. | : | 2 years |
| 9.2 | M.Phil | : | 2 years |
| 9.3 | Ph.D. | : | 3 years |

10. Number of Seats Available

- 10.1 The total number of seats in each Department/Institute/Center/ in each programme of study, including all categories of reserved seats, vary from department to department.

10.1.1. Category 'A'-Local and Domicile of Balochistan

Open merit: Balochistan	10%
Open merit Quetta District	15%
Open merit: District other than Quetta	75%

10.1.2. Personnel Serving in Balochistan - Category "B" 03

(Non-Local & Non Domiciled) Daughter/Son/Spouse/Brother/Sister.

Category "B" Direct dependents (son/daughter/sister/spouse) of the Federal Government and Autonomous organizations personnel serving in Balochistan belonging to other Provinces. (Category "B" applicants will submit their application forms to the Deputy Registrar (Student Affairs) by the due date attached with the required documents and an affidavit specimen of which is at appendix: I

- 10.1.3. Category "C" applicants applying against reserved seats will submit their application forms to the Deputy Registrar (Student Affairs) 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 teacher will tick Category "A" and "C"

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

Sr.No.	Categories	Allocation of Seats	Procedure	
1.	Azad Jamu & Kashmir	Arts Faculty: Science Faculty	01 01	Applicants are to be nominated by the AJK Government.
2.	Armed Forces	1-Math, 1- Statistics, 1-MCS, 1-MBA, 1-Urdu, 1-Social Work, 1-History 1-Pol. Science, 2-Law	10	Applicants are to be nominated by AG's branch, G. H.Q. Rawalpindi.
3.	FATA	History Philosophy Political Science Social Work Urdu Law College	01 01 02 02 02 02	Applicants are to be nominated by the concerned Federal Ministry
4.	Direct dependents of Pakistanis working abroad (Son / Daughter / Spouse / Brother / Sister)	Arts Faculty: Science Faculty:	05 05	Applications to be submitted through HEC Islamabad
5.	Foreign Students	Arts Faculty: Science Faculty:	02 05	Applications to be submitted to the Economic Affairs Division and the Federal Ministry of Education Government of Pakistan through the relevant Embassy in Pakistan
6.	Afghan Refugees	Arts Faculty: Science Faculty:	05 05	Through Economic Affairs Division, Government of Pakistan (Applicants must possess Computerized NADRA Refugees Card)
7.	N.A. (Norther Area)	Arts Faculty: Science Faculty:	01 01	Application to be submitted through proper channel.
8.	Direct dependents of University Teachers / Officers / Employees (Son / Daughter / Spouse / Brother / Sister)	Not more than three in each program of studies on merit amongst the applicants.	03 in each program of study	Applications to be submitted on prescribed Application Form to the Deputy Registrar (SA) as per admission schedule.
9.	Disabled Persons (Balochistan only)	Arts Faculty: Science Faculty	02 02	The disability certificate issued by Balochistan Provincial Standing Medical Board (Provincial Health Directorate has to be submitted.
10.	Sports Quota (Balochistan only) Seven faculties	14 seats 02 seats in each faculty	14	The applicants will have to appear for trails conducted by Director Sports, University of Balochistan. The admission will be granted on merit on the result of the above trails. An expert will be called for each events at the time of interview and sports trails, Deputy Registrar (S.A) will also be invited.

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

11. Entry Test

- 11.1 The Candidates shall have to qualify the Entry Test; and the interview. Appearing in the interview is mandatory for admission; if a candidate fails to appear in the Entry Test and interview on the fixed time and date, he / she will not be considered for admission.

12. Determination of Admission Merit for Master Program - Weightage

12.1	Matriculation	:	10%
12.2	Intermediate	:	20%
12.3	Graduation	:	40%
12.4	Written Test / Interview	:	30%

13. Admission Requirements

- 13.1 Admission in all subjects and classes shall be allowed only to candidates who belong to Balochistan under category (A). However, wards of servants of Federal Government or Autonomous Organizations, who had their previous education from the Institutions other than Balochistan and nominees against reserved seats under category (C) will also be eligible for admission. Admission is also for limited number of foreign students on a separate quota.
- 13.2 Candidates who qualify in the supplementary examination of that year shall not be allowed admission during that year.
- 13.3 Due to limited seats/class rooms, admission to a second or subsequent graduate or Post Graduate degree course in the University is not allowed, except professional degrees, i.e. M.Ed, BBS, MCS, Law and Commerce. (Evening / Self Finance programs).
- 13.4 No student shall at one time join or continue on the roll of two or more courses of study, leading to two or more degrees in the same or different faculties or institutions.
- 13.5 Admission will be allowed only to those applicants who have passed the qualifying examination at most two years prior to the year of admission. However in the subjects where the number of applicants is less than the number of seats available in a department, relaxation on one year can be given.

14. Admission procedure

- 14.1 Forms for admission can be obtained on payment from Habib Bank Limited, University Branch, Quetta.
- 14.2 Candidates seeking admission shall submit the admission both in Duplicate.
- 14.3 Each applicant and his/her guardian or father shall have to sign a declaration that he/she shall abide by all the rules and regulations of the University and he/she shall devote his/her time to studies and **shall not indulge in politics.**
- 14.4 **Documents Required to be Attached**
Four copies of recent passport size photographs duly attested. (Male/Female)
- 14.5 Attested copy of character certificate from the Head of the Institution last attended. Candidates qualifying as private candidate shall produce character certificate from a Gazetted Government Officer (17 grade or above).
- 14.6 Attested copy of Provisional certificate of the last qualifying examination.
- 14.7 Attested copy of the Detailed Marks Sheet of the last qualifying examination.
- 14.8 Attested copy of Local or Domicile Certificate of the Province of Balochistan.
- 14.9 Original documents will be shown at the time of Interview and will be checked by the Chairman/ Admission Committee of the concerned department.
- 14.10 Applicants must collect and acknowledgment receipt, for each application, which must be produced at the time of Test/interview. Process of admission will be completed within prescribed schedule as announced.
- 14.11 In service applicants are required to produce:
14.11.1. No Objection Certificate from the Employers.
- 14.12 The selected candidates will be required to complete the admission formalities by last date announced by the University.
- 14.13 If a candidate fails to make payment of admission dues by last date, his/her Admission will stand cancelled.

- 14.14. If a candidate fails to join the department within fifteen days from the date of admission his / her admission will stand cancelled.
- 14.15. List of selected candidates will be displayed on the Notice Board of concerned Department/Institute/ Center on the dates announced in the academic calendar or having attendance less than 25% a month.
- 14.16. Candidates will not be informed individually about their admission from this withdrawal or cancellation of admission and the University, therefore will not be liable to be held responsible in this regard.
- 14.17. Student already got Bachelor/Master degree as regular students will not be considered for admission and if found guilty of double admission at any stage the subsequent admission what so ever, will stand cancelled and the fee deposited shall not be refunded.

15. Attendance and re-admission requirements:

- 15.1. Attendance of Lectures, Practical, tutorials and field work is compulsory for all students.
- 15.2. The name of a student, who remains absent from classes without proper leave for a period of fifteen consecutive days shall be struck off the rolls of that department.
- 15.3. (i) A student, whose name has been struck off the rolls may be re-admitted for valid reason within two weeks during the same academic year to the same class. This re-admission will however, be allowed by the respective Chairperson of the Department. Fee for re-admission will be **Rs. 1000/-**
- (ii) If a student fails to apply for re-admission within the stipulated period, then he/she will be given two more weeks to apply re-admission to the Academic Committee headed by the Dean, Student Affairs. In such a case the re-admission fee will be **Rs. 2000/-**
- (iii) The re-admission cases not covered in 15.3 (i) and 15.3(ii) will be dealt by the Central Admission Committee headed by the Pro-Vice Chancellor and the fee will be **3000/-**. This period shall not exceed **60 days**.

Note: No case of the re-admission will be considered if the period of absence is exceeded to sixty (60) days.

- 15.4. Each student will be required to complete minimum of 75% of attendance in lectures and practical (separately) to be eligible to appear in concerned examinations that year.

16. Procedure for promotion from previous class to the final class.

- 16.1. If a student is in short of prescribed attendance i.e. 75% in Previous class his/her examination form will be detained. However, such students will be promoted to the next class provided he/she has secured 40% of attendance. If a student is on regular role of the department and completes prescribed attendance in the final year class, will be eligible to appear in the examination of both classes.
- 16.2. If a student did not complete the required attendance in final class his/her examination forms shall be detained. However, he/she will be eligible to appear as an external candidate in the next annual examination. In this regard, the Chairperson of the department will give a certificate that the candidate had at least 40% attendance in the previous class.
- *16.3. For Promotion from Previous class to final class the attendance shall be 40%.

17. Students Code of Conduct-Discipline

17.1. No Student shall:

- 17.1.1. Do, or propagate, anything repugnant to Islam within and outside the precincts of the University/College.
 - 17.1.2. Say or do anything which might adversely affect the honour and prestige of Pakistan, the University teachers and his/her educational institution.
 - 17.1.3. Smoke in the classroom, laboratory, workshop, library and examination hall.
 - 17.1.4. Form or associate him / herself with an organization / society / club or any other body promoting inciting parochial / linguistic / regional feelings.
 - 17.1.5. Organize or hold any function in the University except in accordance with the prescribed rules/regulations.
 - 17.1.6. 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.
 - 17.1.7. 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.
 - 17.1.8. Indulge in immoral activities, use indecent language, wear immodest dress, make indecent remarks, jokes or gestures or behave in an improper manner.
 - 17.1.9. Cause disturbance to others.
 - 17.1.10. Disturb the peace and tranquility of the Institution.
 - 17.1.11. 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.
- 17.2. Violation of any of the above will be considered misconduct and liable to disciplinary action.

17.3. Disciplinary Action

- 17.3.1. 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:
 - 17.3.1.1. A student may be fined.
 - 17.3.1.2. 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.
 - 17.3.1.3. A student may be debarred from a College / Institute / Center / Department for a period not exceeding two weeks at a time.
- 17.3.2. 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.

18. Regulations Relating to Rustication, Expulsion and Withdrawal

- 18.1. 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.
- 18.2. 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.
- 18.3. A rusticated student once re-admitted and again found creating disturbance/indiscipline, etc. will be expelled from the University.
- 18.4. 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.

19. 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 of the University Teaching Departments / Institute / Centers:-

- 19.1. All Students must have faith in and respect for the ideology of Pakistan.
- 19.2. All Students must in matters of religion respect the convictions of others.
- 19.3. Every student is expected to:-
 - 19.3.1. Be Loyal to Pakistan;
 - 19.3.2. Obey the Law of the land as well as the rules & regulations of the University;
 - 19.3.3. Maintain law and order as well as the dignity and prestige of the University;
 - 19.3.4. Protect the property of the University;
 - 19.3.5. Show due respect to elders, teachers and outside visitors;
 - 19.3.6. Work hard and co-operate in completing the courses of study within the prescribed period.

20. Facilities

- 20.1. **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 more 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.
- 20.2. **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
- 20.3. 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.
- 20.4. **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.

- 20.5. **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.
- 20.6. **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.
- 20.7. **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.
- 20.8. **Bank and Post Office** A branch of Habib Bank and Post Office are available within the premises of the University.
- 20.9. **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.
- 20.10. **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 students and supplemented by the University, subject to availability of funds.
- 20.11. **Co-Curricular Activities**
- 20.11.1. **Golden Week.**
- 20.11.1.1. 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.
- 20.11.1.2. 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.
- 20.11.1.3. 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.

- 20.12. **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.
- 20.13. **Audio Visual Aids** Audio-visual aids are used in the class rooms, seminars and conferences to facilitate the students learning process.
- 20.14. **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.
- 20.15. **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.
- 20.16. **Directorate of Quality Assurance**
- 20.16.1. 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.
- 20.16.2. To execute the program on quality assurance at the University of Balochistan through internal assessment.
- 20.17. **Student Financial Aid Office** Responsible for awarding scholarships under HEC's different schemes annually.

AFFIDAVIT SPECIMEN

Category B

(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 Photostat/ 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:

(a) 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 photostate copies of the
CNIC of the applicant and the deponent.)

Applicant Name _____

Father's Name _____

CNIC No. _____

Postal Address _____

I. The deponent declares on oath / solemn affirmation that the applicant _____
seeking admission in the Department of _____ University of Balochistan, Quetta is my:

(a) 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: _____

CNIC No: _____

CERTIFICATE

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/Megistrate (IV)

Signature
Head of Deptt
(Name & Stamp)

Name: _____

Designation: _____

UNDERTAKING BY THE STUDENT

(To be submitted on judicial stamp paper)

(As per order of the Supreme Court of Pakistan dated 1st 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 am found indulging in politics, I may be expelled from the University without any notice.

Signature of the applicant

UNDERTAKING BY THE PARENT / GUARDIAN

(this undertaking is also to be submitted on judicial stamp paper separately)

(As per order of the Supreme Court of Pakistan dated 1st July, 92)

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.

I also undertake that the findings with regard to his/her indulgence in politics given by the competent authority of the University under his seal and signature shall be final and shall not be questioned except only before the Supreme Court of Pakistan.

Date: _____

Signature of the 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 any subject.
 - ii. I am not enrolled at present in any of the University teaching Department / Institute / Centers / affiliated College.
- II. I shall make one person literate so that he she will be 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.

CODE OF CONDUCT

1. I solemnly undertake to abide by the following Code of Conduct:
 - 1.1. 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.
 - 1.2. I shall participate fully and whole-heartedly in sports, games and other co-curricular activities.
 - 1.3. I shall have minimum attendance of 75% in order to qualify for the examinations.
 - 1.4. That I shall maintain identity as a student of the University by wearing the gown or badge as may be prescribed by the University.
 - 1.5. 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.
 - 1.6. 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.
 - 1.7. 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.
 - 1.8. I will deposit my admission fee after declaration of admission, if I fail my admission had been cancelled will not claim any right of it.
2. Further I undertake to refrain from:-
 - 2.1. Doing anything which may cause insult to Head of the Institution, teachers, officers and other staff of the institution.
 - 2.2. 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.
 - 2.3. Indulging in any kind of unfair means, malpractice in examinations and coercion by any means.
 - 2.4. 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.
 - 2.5. Bringing into the campus, consuming or encouraging consumption of alcoholic products, drugs and narcotics, and indulging in acts of moral turpitude.
 - 2.6. Bringing or keeping any type of weapons within the University premises.
 - 2.7. Using or occupying any room or part of any building of the institution without lawful authority.
 - 2.8. Damaging any University property including buildings, equipments, vehicles etc. in any manner.
 - 2.9. 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 OF VARIOUS COURSES OF STUDIES FOR 2016 ADMISSION

FEE STRUCTURE M.A/M.Com/B.Com (Two year study program)		
SUBJECTS: Islamic Studies, Pashto, Balochi, Brahvi, Persian, Urdu, International Relations, History, Mass Com: Social Work, Economics, Psychology, English, Sociology, Pol: Sc: Philosophy, Commerce		
Accounts	Dues at the time of Admission Previous year	Dues for Final Year
• Admission Fee	1900/-	1900/-
• Tuition Fee	3430/-	3430/-
• Security Fee (Non Refundable)	580/-	----
• ID Card	100/-	100/-
• Student Cultural	280/-	280/-
• Sport Fee	950/-	950/-
• Transport Fee	1530/-	1530/-
• Field Work	760/-	760/-
• Library Fee	570/-	570/-
• Library Security (50% Refundable)	2000/-	----
Total	12,100/-	9,520/-

Total Dues for Two Year Rs. 21,620/-

FEE STRUCTURE Masters in Science (M.Sc) (Two year study program)		
SUBJECTS: Bio-Chemistry, Botany, Zoology, Geography, Mathematics, Statistics, Chemistry, Physics, Microbiology, Geology		
Accounts	Dues at the time of Admission Previous year	Dues for Final Year
• Admission Fee	1900/-	1900/-
• Tuition Fee	3430/-	3430/-
• Security Fee (Non Refundable)	580/-	----
• ID Card	100/-	100/-
• Student Cultural	280/-	280/-
• Sport Fee	950/-	950/-
• Computer Lab Fee	1900/-	1900/-
• Transport Fee	1530/-	1530/-
• Field Work	760/-	760/-
• Laboratory	950/-	950/-
• Library Fee	570/-	570/-
• Library Security (50% Refundable)	2000/-	----
Total	14,950/-	12,370/-

Total Dues for Two Year Rs. 27,320/-

FEE STRUCTURE			
Masters in Computer Science (Two years Morning Program Study)			
Accounts		Dues at the time of Admission 1st & 2nd Semester	Dues for 3rd & 4th Semester
•	Admission Fee	1900/-	1900/-
•	Tuition Fee	19300/-	19300/-
•	Identity Card	100/-	100/-
•	Student Cultural	280/-	280/-
•	Sport Fee	950/-	950/-
•	Computer Lab	1900/-	1900/-
•	Transport Fee	1530/-	1530/-
•	Library Fee	570/-	570/-
•	Departmental Hardware Fee	7590/-	----
•	Library Security (50% Refundable)	2000/-	----
•	Examination Fee	6650/-	6650/-
Total		42,770/-	33,180/-

Total Dues for Two Year Rs. 75,950/-

FEE STRUCTURE					
Master in Business Administration (MBA) Morning Two Years & Four Semesters					
	Accounts	University Dues			
		For Total duration of course 1st Semester	2nd Semester	3rd Semester	4th Semester
•	Admission Fee (One Time)	5700/-	----	----	----
•	Tuition Fee	18230/-	18230/-	18230/-	18230/-
•	Security Money (Non Refundable)	580/-	----	----	----
•	Student Cultural	580/-	----	580/-	----
•	Sport Fee	950/-	----	950/-	----
•	Transport Fee	1530/-	----	1530/-	----
•	Computer Lab Fee	1900/-	----	1900/-	----
•	Library Fee	580/-	----	580/-	----
•	Library Security (50% Refundable)	2000/-	----	----	----
Total		32,050/-	18,230/-	23,770/-	18,230/-

Grand Total: 92,280/-

FEE STRUCTURE					
Masters in Public Administration (MPA) Morning					
Accounts		For Total Duration of Course 1st Semester	2nd Semester	3rd Semester	4th Semester
•	Admission Fee (for total duration)	3790/-	----	----	----
•	Tuition Fee	9560/-	9560/-	9560/-	9560/-
•	Security Fee (Non Refundable)	580/-	----	----	----
•	Student Cultural	580/-	----	580/-	----
•	Sport Fee	950/-	----	950/-	----
•	Transport Fee	1530/-	----	1530/-	----
•	Computer Lab Fee	1900/-	----	1900/-	----
•	Library Fee	580/-	----	580/-	----
•	Library Security (50% Refundable)	2000/-	----	----	----
	Total	21,470/-	9,560/-	15,100/-	9,560/-

Total Dues for Two Year Rs. 55,690/-

FEE STRUCTURE					
B.Ed (Eight Semesters)					
Accounts		1st & 2nd Semester	3rd & 4th Semester	5th & 6th Semester	7th & 8th Semester
•	Admission Fee	880/-	----	----	----
•	Tuition Fee	5050/-	5050/-	5050/-	5050/-
•	Security Money (Non Refundable)	250/-	----	----	----
•	Identity Card	60/-	----	----	----
•	Student Cultural	510/-	510/-	510/-	510/-
•	Sport Fee	1350/-	1350/-	1350/-	1350/-
•	Transport Fee	2360/-	2360/-	2360/-	2360/-
•	Field Work	1660/-	1660/-	1660/-	1660/-
•	Library Fee	1020/-	1020/-	1020/-	1020/-
•	Examination Fee	5050/-	5050/-	5050/-	5050/-
•	Computer Fee	3300/-	3300/-	3300/-	3300/-
•	Library Security (50% Refundable)	2000/-	----	----	----
	Total	23,490/-	20,300/-	20,300/-	20,300/-

Total Dues for Two Year Rs. 84,390/-

FEE STRUCTURE M.Ed (One Year)		
	Accounts	1 st Year
•	Admission Fee	1900/-
•	Tuition Fee	4550/-
•	Security Money (Non Refundable)	580/-
•	Identity Card	100/-
•	Student Cultural	280/-
•	Sport Fee	950/-
•	Transport Fee	1530/-
•	Field Work	750/-
•	Teaching Aid	1140/-
•	Library Fee	580/-
•	Library Security (50% Refundable)	2000/-
	Total	14,360/-

FEE STRUCTURE MLIS Lib: Sc (Two Year)			
	Accounts	1 st Year	2 nd Year
•	Admission Fee	1900/-	1900/-
•	Tuition Fee	5700/-	5700/-
•	Security Money (Non Refundable)	580/-	----
•	Identity Card	100/-	100/-
•	Student Cultural	280/-	280/-
•	Sport Fee	950/-	950/-
•	Transport Fee	1530/-	1530/-
•	Field Work	1700/-	1700/-
•	Library Fee	580/-	580/-
•	Library Security (50% Refundable)	2000/-	----
•	Computer Lab	1900/-	1900/-
	Total	17,220/-	14,640/-

Total Dues for Two Year Rs. 31,860/-

Fee Instructions

- Note:-** i) Room Rent for Regular Students. Rs. 3300/- per Year
ii) Hostel Room Rent for Self Finance @ Rs. 3300/- per Month **Rs.39600/-** Per Year

Note:- All fee may be deposited after declaration of admission within a week time. the candidate failed to deposit fee his/her admission will be considered cancelled and the student at the top of the waiting list will be considered admitted and he/she will deposit his/her fee. No fee deposit in installment will be allowed.

Note:- *** Fee deposited in previous will be increased 10% in final year.***



Faculty of **Basic Sciences**

Department of Physics

Department of Chemistry

Department of Mathematics

Department of Statistics





DEPARTMENT OF PHYSICS

1. Introduction

- 1.1. Physics is a fundamental science dealing with natural forces, forms and material sciences. It exerts a vital and dominant role in the development of other scientific disciplines. Physics has a direct impact on society, economy, science and technology.
- 1.2. The Department of Physics is one of three pioneer science departments, which were introduced at the time of the establishment of University of Balochistan, Quetta in 1971. The renowned educationist Professor Dr. Syed Bande Hasan Abidi was appointed as first Chairman of the Physics Department.

2. Objectives

- 2.1. To produce post graduates professionals who can be effectively function at national/ international levels. To provide educational programs which encourage students to think creatively, and constructively to communicate their ideas effectively.
- 2.2. To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- 2.3. To prepare qualified and focus professionals to meet the national institutes, industry, science and technology.
- 2.4. To prepare researchers to meet the emerging needs of industry and research organizations.

3. Vocational Job Opportunities / Marketability of Graduates

- 3.1. Pakistan Atomic Energy Commission (P.A.E.C), KRL, SUPARCO, CENAR, Survey of Pakistan. Geological Survey of Pakistan I.T based services, Commercial and financial public and private organizations.
- 3.2. Various industries dealing in scientific and electronic equipment.
- 3.3. Provincial/ Federal Colleges/ Universities/ Research Institutes.
- 3.4. Information Technology based information
- 3.4. Multi-National Companies.
- 3.5. Teaching jobs in schools, colleges and universities.

4. Faculty

Sr. No.	Name	Designation	Qualification	Field of Specialization
01	Prof. Dr. Syed Mohsin Raza	Emeritus Professor & Dean of Physical Sciences	Ph.D.	Condensed Matter Physics, Mathematical Modelling and Simulation
02	Mr. Fazlur Rehman (Retd:)	Assistant Professor	M.Phil	Solid State Physics, Dielectric Properties of Condensed Matter
03	Mr. Muhammad Ali	Assistant Professor	M.Sc.	Electronics
04	Mr. Shahab Naseem	Assistant Professor	M.Phil	Electronics, Solid State Physics
05	Mr. Muhammad Latif	Assistant Professor/ Chairman	M.Phil	Spectroscopy
06	Syed Abdul Sattar Agha	Assistant Professor	M.Phil	Semiconductor, Electronics
07	Mr. Abaidullah Khan	Lecturer	M.Sc.	Electronics
08	Mr. Muhammad Hussain	Lecturer	M.Sc.	Electronics

09	Mr. Fareed Khan	Lecturer	M.Sc.	Electronics
10	Dr. Ajab Khan Kasi (TTS)	Associate Professor	Ph.D	Mechatronics / Nanotechnology
11	Dr. Muhammad Sohail	Lecturer	Ph.D	Communication Systems
12	Dr. Jafar Khan Kasi (TTS)	Assistant Professor	Ph.D	Microtech/ Nana Technology
13	S. Muzamil Ali Bukhari (TTS)	Assistant Professor	Ph.D	Communication System
14	Syed Wajahat Ali	Lecturer	M.Sc.	Electronics
15	Mr. Ahmad Bilal	Lecturer	M.Sc	Electronics
16	Mr. Shehzad Ahmed	Lecturer	M.Sc	Electronics
17	Ms. Iram Naz	Lecturer	M.Sc	Electronics
18	Ms. Sana Idrees	Lecturer	M.Sc	Electronics
19	Mr. Samiullah	Lecturer	M.Sc	Electronics
20	Mr. Muhammad Zakria Zehri	Lecturer	M.Sc	Environmental Physics

5. Programs of Study

- 5.1 M. Sc. Physics with specialization (see courses below)
5.2 M.S/M. Phil. and PhD in Physics by approved criteria of HEC. **(Courses available separately)**

6. M.Sc (Physics Previous) Annual System

- 6.1. The course of studies for the M.Sc Degree in Physics will extend over a period of two years. This degree program is based on taught courses, laboratory work; Research Report / project. All courses in M.Sc (Previous) are compulsory. The Optional paper is offered in M.Sc (Final) in the areas of **Electronics Communication Systems, Nanoscience and Nanotechnology, Environmental Physics and Renewable Energy.**

6.2. M.Sc Physics (Previous)

S. No.	Paper	Course Title (Compulsory)	Marks
1	Paper-I	Mathematical Methods of Physics	100
2	Paper-II	Classical Mechanics	50
3	Paper-III	Thermal and Statistical Physics	50
4	Paper-IV	Electromagnetic Theory	100
5	Paper-V	Electronics	100
6	Paper-VI	Solid State Physics	100
7	Paper-VII	Functional English	50
8	Practical-I	Physics constants, Spectroscopy & Modern Physics	50
9	Practical-II	Electronics, Oscillators & Operational Amplifiers	50
		Total Marks	650

6.3 M.Sc. Physics (Final)

S. No	Paper	Course Title	Marks
1	Paper-VIII	Quantum Mechanics	100
2	Paper-IX	Nuclear Physics	50
3	Paper-X	Atomic & Molecular Physics	50
4	Paper-XI	Computational Physics	100
5	Paper-XII	Digital Electronics	50
6	Paper-XIII	Microprocessor	50
7	Practical-III	Nuclear Physics	50
8	Practical-IV	Digital Electronics	50
9	Practical-V	Microprocessor	50
10	Practical-XIV	Research Paper and Presentation	100
		Previous Marks	650

6.4 M.Sc Physics (Final) Optional Papers

S. No.	Paper	Course Title	Marks
1	Paper-XIII-A	Communication Systems	50
2	Paper-XIII-B	Nanoscience and Nanotechnology	50
3	Paper-XIII-C	Renewable Energy	50
4	Paper-XIII-D	Environmental Physics	50
5	Paper-XIII-E	Mechatronics	50

6.5 M.Sc Physics (Final) Practicals for Optional Paper

S. No.	Papers	Course Title	Marks
1	Practical-VI-A	Communication Systems	50
2	Practical-VI-B	Nanoscience and Nanotechnology	50
3	Practical-VI-C	Renewable Energy	50
4	Practical-VI-D	Environmental Physics	50
5	Practical-VI-E	Mechatronics	50
		Final Marks	750
Total Marks			1400

- 6.6 Student registered for M.Phil / Ph.D has to complete the requisite number of credit hours for course work as laid down in Higher Education Commission regulations for the said degree. Courses for M.S/M.Phil/Ph.D are approved by Academic Council, UoB, Quetta. A thesis based on original research work will also be submitted and defended.
(see M.Phil / Ph.D. rules and regulations)

7. Eligibility Criteria for Admission

- 7.1. B.Sc. with Physics and Mathematics

8. Facilities

- 8.1 Teaching Laboratories:** - The Department of Physics has four laboratories.
- 8.1.1** Nanotechnology
 - 8.1.2** Communication Systems
 - 8.1.3** Microprocessors
 - 8.1.4** Energy Physics/Environment
 - 8.1.5** Digital Electronics
 - 8.1.6** Mechatronics
 - 8.1.7** Nuclear Physics
- 8.2** The research work is also carried out in the areas of Theoretical Physics (Mathematical Modeling and Simulation, Solid State Physics), Renewable Energy (Solar & Wind), and Environmental Science.
- 8.3 Computer Laboratory:-** A computer laboratory is available for M.Sc. students which is also used by research scholars/teachers of the Department.
- 8.4 Departmental Library:-** The Departmental Library is managed by a qualified librarian and has over 2000 books covering a wide range of disciplines in Physics for teaching and research purposes. These books are in addition to more than 2500 titles of Physics books stocked in Central Library, University of Balochistan
- 8.5 Internet Facility:-**The internet facility is also available in all laboratories, library and room 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 down loaded.

DEPARTMENT OF CHEMISTRY

1. Introduction

- 1.1. 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 every day 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.
- 1.2. 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.
- 1.3. 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 4th compulsory subject in M.Sc Final.

2. Objectives

- 2.1. To provide qualified and focused professionals for chemical industries, research organizations and educational institutions of Pakistan.
- 2.2. To maintain/conducive environment for learning and research.
- 2.3. To provide educational programs which encourage students to think creatively, constructively and to communicate their ideas effectively.
- 2.4. To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- 2.5. To establish linkages between the Department and the local industries and solve their technical problems.
- 2.6. To prepare students for the global market by enhancing their international knowledge and developing the social confidence and adoptability they need to operate internationally.

3. Vocational Job Opportunities / Marketability of Graduates

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

4. Faculty

S.No.	Name	Designation	Qualification
1	Dr Masood Ahmed Siddiqui	Professor	PhD (Osaka University, Japan)
2	Dr. Mohammad Yaqoob	Professor	PhD (Balochistan University, Quetta)
3	Dr. Manzoor Iqbal Khattak	Professor	PhD (Karachi University, Karachi)
4	Dr. Nizam-ud-Din Baloch	Professor	PhD (Balochistan University, Quetta)
5	Dr. Naqeebullah	Assistant Professor	Ph.D (UKM) Malaysia
6	Ms. Amna Bano	Assistant Professor	PhD (Karachi University, Karachi)
7	Dr. Samar Ali	Assistant Professor	PhD (Karachi University, Karachi)
8	Dr. Samiullah	Assistant Professor	PhD (Warwick University, UK)
9	Mr. Waheed Ahmed Shah	Assistant Professor	M.Phil (Balochistan University, Quetta)
10	Mr.Ghulam Mustafa	Assistant Professor	M.Phil (Balochistan University, Quetta)
11	Ms. Shaheen Wali	Lecturer	M.Sc (Balochistan University, Quetta)
12	Ms. Arifa Bano	Lecturer	M.Sc (Balochistan University, Quetta)
13	Ms. Anam Iqbal	Lecturer (on study leave)	M.Sc (Balochistan University, Quetta)
14	Mr. Irshad Ali	Lecturer	M.Sc (Balochistan University, Quetta)

5. Programs of Study

- 5.1. The M.Sc. course is a two years degree program based on taught courses and laboratory work. A student opting for M.Phil./Ph.D. degrees has to complete the requisite number of credit hours for course work as laid down in Higher Education Commission regulations for the said degrees. A thesis based on original research work will have to be submitted and defended as per procedure of HEC. The duration of these degrees depends on the performance of the student and on the nature of research problem. The minimum time limit for M.Phil and Ph.D is two years and three years respectively.

6. Description of Courses for M.Sc

- 6.1. There are five disciplines in Chemistry.
- 6.2. Students of M.Sc. (Previous) will have to study all the compulsory courses and also have to opt one of the optional course

Compulsory courses

- Inorganic Chemistry,
- Organic Chemistry
- Physical Chemistry

Optional Courses

- Analytical Chemistry
- Bio-Chemistry

- 6.3. The specialization is offered in M.Sc. (Final) in all the five disciplines. The theory paper of environmental chemistry has been made compulsory for the students of M.Sc (Final) irrespective of their discipline.

6.3.1. **M.Sc. Previous. Total four subjects. Total Marks 650**

S.No.	Subject	Compulsory / Optional	Total Marks
1	Physical Chemistry Theory Paper I + Practical	Compulsory	100 + 50
2	Inorganic Chemistry Theory Paper II + Practical	Compulsory	100 + 50
3	Organic Chemistry Theory Paper III + Practical	Compulsory	100 + 50
4	Functional English	Compulsory	50
5	Analytical Chemistry Theory Paper IV + Practical	Optional	100 + 50
6	Bio-Chemistry Theory Paper IV + Practical	Optional	100 + 50
		Total	650

6.3.2. **M.Sc. Final: Only one subject from the following can be selected for specialization.
Total Marks = 600**

S.No.	Subject	Compulsory / Specialization	Total Marks
1	Physical Chemistry Theory Paper-I Theory Paper-II Theory Paper-III Practical Thesis	Specialization	100 100 100 100 100
2	Inorganic Chemistry Theory Paper-I Theory Paper-II Theory Paper-III Practical Thesis	Specialization	100 100 100 100 100
3	Organic Chemistry Theory Paper-I Theory Paper-II Theory Paper-III Practical Thesis	Specialization	100 100 100 100 100
4	Analytical Chemistry Theory Paper-I Theory Paper-II Theory Paper-III Practical Thesis	Specialization	100 100 100 100 100
5	Bio-Chemistry Theory Paper-I Theory Paper-II Theory Paper-III Practical Thesis	Specialization	100 100 100 100 100
6	Environmental Chemistry Additional	Compulsory	100

7. Eligibility Criteria for Admission in M.Sc

- 7.1. The applicants should have passed B.Sc. with Chemistry at the most two years prior to the year of admission.

8. Facilities

8.1. Five Specializations are offered by the Department of Chemistry and there are five teaching and five research Laboratories. All the laboratories are adequately equipped. The list of some of the equipment/instruments is provided below.

1	High Performance Liquid Chromatograph. (Shimadzu, Japan)
2	Gas Chromotograph. (Shimadzu, Japan)
3	Atomic Absorption Spectrometer
4	Flow injection analysis with Spectrophotometric and chemiluminescence
5	FT-IR Spectrophotometer (Shimadzu, Japan)
6	Fluoresence Spectrophotometer (Shimadzu, Japan)
7	Water Deioniser Purelab Option (ELGA, England)
8	Polymerize Chain Reactor (PCR)
9	Flame Photometer (Corning 400 Jenway, UK)
10	Ultra Sonicator
11	Photomultiplier Tubes (PMTs Thorn EMI) (NSRDB)
12	Spectrophotometer (Hitachi U - 1100) and Shimadzu UV-120
13	Ultra Centrifuge (IEC - B -02 A, DAMON)
14	Electrophoresis Unit
15	Autoclave
16	Thermo Gravimetric Analyzer / differential Thermal Analyzer
17	Gel Documentation System
18	Polarimeter (Erma)
19	Rotary evaporators with thermostats (HEIDLPH)
20	Vacuum Pump (ME4R Membrane)
21	Analytical Balance (Shimadzu BL Series)
22	Fraction Collector (Pharmacia biotech, FRAC - 100)

- 8.1. **Computer Laboratory.** There is a computer laboratory having 25 PCs with internet facilities.
- 8.2. **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.
- 8.3. **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 down loaded.

9. Achievements of the Department

- 9.1. During the past 43 years the Department has produced more than 3200 M.Sc. Our graduates are working in various National/International organizations such as Education Department, Pakistan Atomic Energy Commission, Oil and Gas exploration, Geological Survey of Pakistan, Copper/Gold project, Saindak, Foreign Service and Civil Bureaucracy. The research work in the department is in progress and a number of M. Phil and PhDs are produced. Currently 20 M. Phil and 04 PhD students are engaged in research. The Chemistry department has been declared as the best and most productive as per assessment report of 2005. Five of its faculty members have achieved Tenure Track Scheme, the highest number in a single department of this University. Faculty members are participated in conferences, received Research Productivity Awards and Best Teacher Awards. They are also received funding from various National / International Organizations establishing world Class Laboratories.

Status / Degree	M.Phil	Ph.D.
Awarded	18+2=20	06+01=07
Work in Progress / Currently Enrolled	20	03

- 9.2. The staff members of Chemistry Department have published over 330 research papers in various National/International journals (having impact number): and conferences/seminars covering the various disciplines of and Simulation etc. The average yearly output of research papers is from 10 to 15.

9.3 Research Grants

The Department has received research grants from Higher Education Commission and Pakistan Science Foundation, Islamabad under National research grants program for universities addressed the scientific issues faced by the community, Beside this, the faculty members have submitted two other research projects to HEC and PSF for further funding and smooth running of the research activities. Following is the list of research projects approved by the Higher Education Commission and Pakistan Science Foundation which are in progress.

List of research projects

S. No.	Title of Project	Name of PI & Co-PI	Agency	Amount (Rs)
1.	“Development of automated analytical flow methods for monitoring carbamates, dithiocarbamates and organophosphorus pesticides in water and soil samples with chemiluminescence and spectrophotometric detection.”	Prof. Dr. Abdul Nabi and Prof. Dr. Mohammad Yaqoob	HEC, 2014	3,328,599/=
2.	“Flow injection analysis for the determination of macronutrients in natural waters, sediments and soil samples using immobilized enzymes’.	Prof. Dr. Mohammad Yaqoob and Prof. Dr. Abdul Nabi	PSF, 2014	1,880,972/=

S. No.	Title of Project	Name of PI & Co-PI	Agency	Amount (Rs)
3.	“Cloning, sequencing and expression of gene and biochemical characterization of Starch hydrolyzing enzyme from Hyperthermophilic Archeon <i>Purobaculum calidifontis</i> ”.	Prof. Dr. Masood Ahmed Siddiqui and Prof. Dr. Naeem Rashid	HEC, 2007	3,300,000/=
4.	“Bioassay guided isolation of natural products from <i>Juniperus excelsa</i> ”.	Dr. Samar Ali and Prof. Dr. Masood Ahmed Siddiqui	HEC, 2011	500,000/=
5.	“Diversity of marine yeast in mangrove ecosystem of the Balochistan coast and their exploitation for the potential applications such as amylase, protease and characterizations”.	Dr. Muhammad Aslam and Dr. Samiullah	HEC, 2013	4,100,000/=

9.4 National / International Collaboration

The Department of Chemistry will have collaborative and training programs with Institute of Biochemistry, which provides support in terms of utilizing a hi-tech laboratory established for science faculty under the strengthening of laboratories, funded by High Education Commission, Islamabad, Pakistan. There would be collaboration with Prof. Paul. J. Worsfold, Head of the Biogeochemistry and Environmental Analytical Chemistry Group at the University of Plymouth, UK and his particular areas of current interest are the development of field based and laboratory techniques for the determination of macronutrients (e.g. P, N species) (e.g. Fe species) in natural waters and their role in terrestrial, freshwater and marine biogeochemical processes. The technique of flow injection (FI) analysis provides an integrating theme for his research activities, with particular emphasis on the design, construction and deployment of automated FI instrumentation in situ, i.e. outside of the laboratory. This research studies would result in a short term training program for researcher to perform a part of experimental work.

The department also has collaboration with School of Biological Sciences, University of the Punjab, Lahore and School of Biological Sciences, department of Microbiology, University of Georgia, USA on cloning, sequencing and characterization of industrial enzymes from hyperthermophiles.

10. Future Plan

The HEC development projects helped several Departments (Botany, Zoology, Biochemistry and Chemistry) of Balochistan University for extending their research laboratories and other academic activities such as BS 4 year, M.Phil/PhD programs. As per PC-1 submitted and approved, these laboratories were specifically designed to be utilized by the Department of Chemistry as per our requirement. In this regard, the former honorable Vice Chancellor sanctioned about 4 million rupees for furnishing laboratories, seminar halls, class rooms and offices of the new building to utilized by the department for academic activities in near future.

In the end, the Department plans to continue quality research, to submit quality projects to International funding agencies to get research grants and to induct brilliant post graduates students, and to facilitate them under such projects to find solutions of existing issues faced by the scientific community in particular.

DEPARTMENT OF MATHEMATICS

1. Introduction

- 1.1. 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 15 staff members and is offering M. Sc, M. Phil and Ph. D in the fields of Pure and Applied Mathematics.
- 1.2. 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.

2. Objectives

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;

- 2.1. To provide a variety of courses for students.
- 2.2. To provide a source of qualified and focused professionals in the subject of Mathematics to meet the future needs of educational institutes or Industry.
- 2.3. To prepare researchers to meet the needs of industry and research organizations, Science and Technology.
- 2.4. Having completed their course 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.
- 2.5. The students of good mathematical ability will have developed their ability to work independently.

3. Vocational Job Opportunities / Marketability of Graduates

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

4. Faculty

Sr. No.	Name	Designation	Qualification	Field of Specialization
1	Mr. Saleem Iqbal	Chairperson	Ph.D.	Fourier Analysis
2	Dr. Lala Rukh Kamal	Professor	Ph.D.	Math Modeling in Renewable Energy
3	Mr. Muhammad Akram	Assistant Professor	M.Phil	Algebra
4	Mr. Arbab Ghulam Mustafa	Assistant Professor	M.Sc.	Applied Mathematics
5	Dr. Arbab Abdul Sattar	Assistant Professor	Ph.D.	Algebra
6	Mr. Israr Ahmed	Assistant Professor	M.Phil	Applied Mathematics
7	Mr. Arbab Ghulam Raza	Assistant Professor	M.Phil.	Applied Mathematics
8	Mr. Umar Farooq	Assistant Professor	M.Sc.	Applied Mathematics

Sr. No.	Name	Designation	Qualification	Field of Specialization
9	Mr. Habibullah	Assistant Professor	M.Phil.	Pure Mathematics
10	Dr. Abdul Rehman	Assistant Professor	Ph.D.	Fluid Mechanics
11	Mr. Naveed Sheikh	Lecturer	Ph.D.	Mechatronics
12	Mr. Sardar Mohammad	Lecturer	M.Sc.	Real Analysis
13	Miss. Sana Jaffar	Lecturer	M.Sc.	Applied Mathematics
14	Miss. Sidra Shuja	Lecturer	M.Phil	Applied Mathematics

5. Programs of Study

- 5.1. Post-graduate courses leading to M.Sc., M.Phil. and Ph.D. degrees.
- 5.2. The M.Sc. course is a two years degree program based on taught courses work.
- 5.3. The M.Phil is a two years degree program bases on taught courses and research work.
- 5.4. The Ph.D is a three years degree program bases on taught courses and research work.
- 5.5. M.Phil / Ph.D. has to complete the requisite number of credit hours under the semester system for course work as laid down in Higher Education Commission regulations for the said degrees.

6. Description of Courses

S.No.	Paper	Title	Maximum Marks
1	I	(i)Algebra (ii) Complex Variables	100
2	II	(i)Real Analysis-I (ii) Real Analysis-II	100
3	III	(i)Differential Equations (ii) Differential Geometry	100
4	IV	(i)Dynamics (ii) Fluid Dynamics/Measure Theory	100
5	V	Operational Research I & II	100
6	VI	Functional English	50

M.Sc. Final (Applied/ Pure)

S.No.	Paper	Title	Maximum Marks
1	VII	(i)Mathematical Methods I (ii) Mathematical Methods II / Topology I & II	100
2	VIII	(i)Relativity (ii) Quantum Mechanics/ (i)Number Theory-I (ii) Theory of Functions-I OR nEAR rING tHEORY	100
3	IX	(i)Mathematical Statistics I (ii) Mathematical Statistics II	100
4	X	(i)Numerical Methods I (ii) Numerical Methods II OR numerical Computation (i)Language C++ (ii) MATLAB	100

Total Marks for M.Sc Mathematics **950**

* On availability of teachers and other facilities

Note: (i) A paper of Functional English of 50 marks.

7. Eligibility Criteria

- 7.1 BA/BSc (or equivalent) with Mathematics A- Course.
- 7.2. Passed B.Sc. at most two years prior to the year of admission.
- 7.3. Professional degree holders (B. E etc) and B. Com are not eligible

8. Description of Courses/Research for M.Phil/Ph.D

There are about forty approved advanced courses for M.Phil/ Ph.D program of studies in Mathematics. These courses will be offered in two semesters. Each course is of 3- credit hours. M.Phil Scholars have to complete 24-credit hours in two semesters where Ph.D. scholars have to complete 18-credit hours in two semester. After qualifying course work exams of M.Phil/ Ph.d, the scholars of each discipline will be engaged in research work as per HEC criteria. A thesis based on original research work will have to submit by M.Phil/ Ph.D scholars in due course of time and defended as per procedure of HEC.

9. Eligibility Criteria for Admission in M.Phil/Ph.D.

- 9.1. **For Admission in M.Phil:** M.Sc. Mathematics with at least first division.
- 9.2. **For Admission in Ph.D:** **M.Phil.** Mathematics
- 9.3. To qualify Entry Test is mandatory for admission.
- 9.4. All other terms and conditions of the University of Balochistan for admission in M.Phil/ Ph.D. programs of studies are also mandatory to fulfil.

10. Facilities

10.1. **Computer Lab**

- 10.2. **Departmental Library.**
Department has about 200 books.

10.3. **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 downloaded.

DEPARTMENT OF STATISTICS

1. Introduction

- 1.1. Statistics is a fundamental science which exerts a vital and dominant role in the development of other scientific disciplines. Statistics also has a direct impact on society and economy besides science and technology.
- 1.2. The Department of Statistics was established in March 1979. Prof. Joseph Elfenbein was the founder of the Department.

2. Objectives

- 2.1. To prepare researchers to meet the needs of agriculture, industry, research organizations and educational institutions of Pakistan.
- 2.2. To maintain conducive environment for learning and research.
- 2.3. To develop the department as a centre of excellence in Statistics teaching and research in the province of Balochistan.
- 2.4. To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- 2.5. To provide qualified and focused professionals in the field of statistics who have good mastery of several standard statistical software packages.

3. Vocational Job Opportunities / Marketability of Graduates

- 3.1. Educational Institutions, Colleges and Universities.
- 3.2. Public / Private Research Organizations, Administration, Planning and Finance
- 3.3. Banking/Health/Agricultural
- 3.4. Energy Sector

4. Faculty

S.No.	Name	Designation	Qualification
1	Mr. Zahoor Ahmad Kasi	Assistant Professor / Chairperson	M.Sc.
2	Dr. Yasmin Zehra Jafri	Professor	Ph.D
3	Dr. Syed Haider Shah	Professor	Ph.D
4	Mr. Muhammad Zaman	Assistant Professor	M.Sc.
5	Mr. Ghulam Farooq	Assistant Professor	M.Sc.
6	Dr. Farhat Iqbal	Assistant Professor	Ph.D
7	Mrs. Ruqia Rehman	Assistant Professor	M.Sc.
8	Mr. Jamal Abdul Nasir	Lecturer	M.Sc.

S.No.	Name	Designation	Qualification
9	Mr. Muhammad Sohail Akhtar	Lecturer	M.Sc.
10	Mr. Azhar Ali Marri	Lecturer	M.Sc.
11	Syed Ejaz Ali Shah	Lecturer	M.Sc.
12	Mr. Abdul Raziq	Lecturer	M.Sc.
13	Mr. Muhammad Ashraf	Lecturer	M.Phil
14	Mr. Ghulam Murtaza	Lecturer	M.Phil

5. Programs of Study

5.1. M.Sc.

5.2. M.Phil:

A student opting for M.Phil. degree has to complete the requisite number of credit hours for course work laid down in the Higher Education Commission regulations for M.Phil degree. A thesis based on original research work will have to be submitted and defended as per procedure of HEC. The minimum time limit for M.Phil is two years.

6. Eligibility Criteria for Admission in M.Sc.

6.1. Passed B.A/ B.Sc with Statistics. And Math-A course.

6.2. Passed B.A/B.Sc at most two years prior to the year of admission.

7. Description of Courses M.S.c

Postgraduate students in Statistics Department University of Balochistan are being offered a set of courses in M.Sc. (Previous & Final) as under:

7.1. M.Sc. Previous		Max. Marks
7.1.1	Paper-I Statistical Methods	100
7.1.2	Paper-II Experimental Designs	100
7.1.3	Paper-III Probability and Probability Distributions	100
7.1.4	Paper-IV Sampling Techniques	100
7.1.5	Paper of functional English of 50 marks in M.Sc. Previous	50
7.1.6	Practical and Viva Voce-I	
	Comprising problems on Statistical Methods and Experimental Designs	100
7.1.7	Practical and Viva Voce-II.	
	Comprising problems on Probability and Probability distributions and Sampling Techniques.	100
	Total Marks (Previous)	650
7.2 M.Sc. Final		Max. Marks
7.2.1	Paper-V Statistical Inference	100
7.2.2	Paper-VI Econometrics	100
7.2.3	Paper-VII Data Processing and Statistical Computing	100
7.2.4	Paper-VIII Any one of the following options:	100
	Option (i) Operations Research	
	Option (ii) Stochastic Processes	
	Option (iii) Multivariate Analysis	
7.2.5	Paper-IX Any one of the following options:	100
	Option (i) Population Analysis	
	Option (ii) Advanced Statistical Theory	
	Option (iii) Statistical Quality Control and Time Series Analysis	
	Option (iv) Numerical Analysis	

7.2.6	Paper-X	Research & Presentation	100
7.2.7	Practical and Viva Voce-III, Comprising problems on Statistical Inference.		50.
7.2.8	Practical and Viva Voce-IV, Comprising problems on Econometrics.		50
7.2.9	Total Marks (Final)		700
	Total Marks for M.Sc. Statistics		1350

NOTE:

Optional courses will be offered subject to the availability of the teachers and facilities.



Faculty of **Management Sciences, Business & IT**

Department of Commerce
Institute of Management Science
Department of Economics
Department of Computer Science
Department of Library & information Science





DEPARTMENT OF COMMERCE

Introduction

Department of Commerce, University of Balochistan is one of the oldest Department of University. The Department was established in 1973 as undergraduate Department. It is presently one to the largest department of the University of Balochistan, Quetta with respect to the number of students enrolled in the courses offered by the department and the number of courses taught in the department. In view of better job opportunities for Commerce graduates, a graduate course was also initiated leading to master degree in Commerce. Currently a two year graduate course leading to the degree of M.Com.

M. Phil and Ph. D programs are also offered by the department.

New initiative Taken by the Department.

Department has started Bachelor and Master level Programs (B. Com) on Self-Finance basis in the evening session. This is a hope of light are for those who cannot continue their education due to certain reasons in the morning and performing jobs in the morning. Therefore, program was a successful launch and got tremendous appreciation

Objectives

The main objective of Commerce Department is to produce professional managers, accountant and businessman for the nation. The other objectives expected from M.Com students are follow:

It possesses scientific knowledge and understanding of accounting, marketing human resource management financial management, Quantitative Techniques for business and also known socio-economic Condition of the country.

Students are also able to make plan for the development of industry and for the welfare of working people.

The Students of Commerce today occupy key position both public and private sector. They are able to prove themselves as a good manager and have a creative and helpful attitude in problem solving. They are able to play leadership role or institute a mechanism that can targeted performance in terms of time, cost or some other measure of effectiveness from the plan. Students of Commerce possess a decision ability to face a various problems Students possess clear idea of their path of development where they stand and where they are going. They possess ability and power to develop new ideas and are able to implement these ideas.

Contact Information:

Department of Commerce, University of Balochistan, Quetta

Phone: +92-81-9211236

Email: forshaff@hotmail.com

Courses

Courses offered in M.Com and B.Com.

We are offering in M.Com (13) courses and one research paper and presentation on leading organizations and economic issues is the part of Viva voce. M.Com is offered in the morning and in the evening on self finance basis.

B.Com (14) courses. **B.Com .** (B. Com program is run on Self-finance in Evening)

M. Phil and Ph. D courses.

Department has the honor that one PhD professor is available who is providing the assistance to the Students. Department is offering service by conducting that classes for M. Phil and Ph. D students.

05. Description of Courses for B.Com and M.Com.

The Department is offering B.Com and M.Com courses to the students on self-finance evening program.

B.Com

B.Com degree is initiated to facilitate those students who cannot study in the morning regularly. Tuition Fee for B.Com is Rs. 15,000/- per year. Admission fee is as per university rule:

B.Com Subjects.

1. Business Communication.
2. Fundamental of Business.
3. Principal of Business Economics.
4. Business Law.
5. Banking and Finance.
6. Principles of Accounting
7. Pakistan Studies.
8. Islamic Education
9. Economics of Pakistan.
10. Fundamental of Cost Accounting.
11. Advance Accounting.
12. Business Mathematics.
13. Business Statistics
14. Auditing and Taxation

M.Com

Commerce Department offers M.Com courses to the students on self finance in the Evening program. Tuition Fee for M.Com Self Finance Evening is Rs. 22,500/- per year. Admission fee is as per university rule.

M.Com Subjects.

1. Principles of Management.
2. Marketing Management.
3. Corporate Accounting & Financial Statement Analysis.
4. Research Method and Report Writing.
5. Quantitative techniques for Business
6. Computer orientation and presentation
7. International Business.
8. Management Accounting.
9. Managerial Economics.
10. Financial Management.
11. Human Resource Management.
12. Computer orientation and application.
13. E-Commerce.
14. Functional English and composition
15. Research report writing.

4. Faculty

S.No.	Name	Designation	Qualification	Field of Specialization
1	Mr. Abdul Lateef Khan Durrani	Dean Management Science, Business and Information Technology	M.Phil, M.Sc	Management Sciences, Business Mathematics, Statistics for Management
2	Mr. Inayatullah Khan	Assistant Professor / Chairperson	M.Phil, M.Com	Management, Business Organization, Research Methodology.
3	Dr. Muhammad Ali	Assistant Professor	M.Phil, M.Com	Accounting (Cost / Advance)
4	Dr. Abdul Rashid Khan	Assistant Professor	M.Phil, M.A	Economics, Research Methodology
5	Miss. Tahira Jabeen	Assistant Professor	M.Phil, M.Com	International Business, Marketing Management
6	Dr. Nadeem Malik	Professor	P.h.D	Advance Accounting, Research Methodology, Business Communication
7	Mr. Abdul Quddus	Lecturer	M.Com	Administrative affairs
8	Mr. Muhammad Shafique	Lecturer	M.Phil, M.Com	Financial Management, Business Law, Accounting.
9	Mrs. Shakira Bukhari	Assistant Professor	M.Phil, M.Com	Personal Management, Management, Economics.
10	Mrs. Amina Khuda Dad	Lecturer	M.Com	Marketing Management, Accounting, Personal Management
11	Mr. Dilawar Khan Durrani	Lecturer	MBA	Finance
12	Dr. Uzma Mukhtar	Assistant Professor	Ph.D	HRM, E-Commerce
13	Syed Jameel Ahmed	Lecturer	MBA	Human Resource Management

RESEARCH

RESEARCH TOPIC OF M.PHIL & PHD UNDER INVESTIGATION

1. Socio-Economic impact of small scale industry on the development of Balochistan, by Mr. Inayatullah Khan, Assistant Professor, Commerce Department, University of Balochistan.
2. Past and Future Share of Coal and Energy Economics of Pakistan is the PhD topic of Mr. Muhammad Ali, Assistant Professor, Commerce Department, University of Balochistan.
3. Marketing of fruits for export from Balochistan presented by Miss Tahira Jabeen, Lecturer, Commerce Department, University of Balochistan.
4. Livestock in Balochistan: Potentials prospects and constraints with special reference to small ruminants by Mr. Muhammad Shafiq, Lecturer, Commerce Department, University of Balochistan.
5. An Analysis of cross sectional impact on poverty alleviation in Naseerabad by Abdul Rasheed, Assistant Professor, Commerce Department, University of Balochistan.

Computer Lab

Computer Lab is under construction, hopefully completed in two months.

PART TIME TEACHERS FOR SELF-FINANCE PROGRAM

Name of Faculty Member	Designation	Name of Courses taught along with hours during 2010-11	Highest Degree Obtained
Tahir Khan	Lecturer	Islamiyat	M.A
Javed Ahmed Baloch	Lecturer	Pakistan Studies	M.A
Mr. Azhar Ali Marri	Lecturer	Business Statistics	M.Sc
Ms. Asia Rasheed	Visiting Faculty	Business Communication, Marketing Management	M.Com

INSTITUTE OF MANAGEMENT SCIENCES

1. Introduction

- 1.1 Industrialization is taking place at rapid pace in Pakistan. The country is making all out efforts to accelerate the process of industrialization in the country. The province of Balochistan has been given special attention for the exploitation of its industrial potentials in order to pave the way for the accelerated economic development of the province. For effective resource-utilization, efficient resource management, enhancement of administrative capacity and improvement of managerial talents, the Institute of Management Sciences play a vital role by developing & training human resource.
- 1.2 Dynamic and advance societies are in the continuous process of change. In changing and developing societies, management sciences play an important role and facilitate the process of social change and economic development.
- 1.3 The mission of IMS is 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 Shaikh was appointed as the first Chairman of the department. It was upgraded to the Institute of Management Sciences on 2000.

2. Objectives

- 2.1. To produce qualified and focused professionals in Management Sciences to meet the future needs of public and private sectors organizations.
- 2.2. To develop human resource for undertaking research on the basic issues and problems confronting the various sections of economy.
- 2.3. To enable human resource to acquire expertise in specialized functional areas of management sciences, including management information systems.
- 2.4. To Foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- 2.5. To prepare researchers to meet the needs of industry and research organizations, science and technology.

3. Vocational Job Opportunities / Marketability of Graduates

- 3.1 Private and Public Sectors Organizations.
- 3.2 Financial Institutions.
- 3.3 Insurance Companies.
- 3.4 Local and Multinational NGOs.

4. Faculty

S.No.	Name	Designation	Qualification	Field of Specialization
1	Dr. Jan Muhammad	Director	Ph.D.	HRM
2	Dr. Abdul Naeem	Assistant Professor	MBA	Finance
3	Malik Abdul Karim	Assistant Professor	M.Phil	Finance
4	Mr. M.K. Bhatti	Assistant Professor	M.Phil	HRM
5	Mr. Suleman Akber	Assistant Professor	M.S	Finance
6	Dr. Zainab Bibi	Assistant Professor	Ph.D.	HRM
7	Dr. Sana-ur-Rehman	Assistant Professor	Ph.D.	Marketing
8	Dr. Jehanwash Karim	Assistant Professor	Ph.D.	HRM / OB

S.No.	Name	Designation	Qualification	Field of Specialization
9	Dr. Saubia Ramzan	Assistant Professor	Ph.D	HRM
10	Mr. Abdul Wahid Zehri	Lecturer	MPA	HRM
11	Dr. Anjum Pervaiz	Lecturer	Ph.D	HRM / Public Policy
12	Mrs. Fauzia Ahmed Sheikh	Lecturer	MPA	HRM
13	Mrs. Beenish Malik	Lecturer	MBA	Finance
14	Mr. Khurram Shahzad	Lecturer	MS	Finance
15	Mr. Muhammad Kaleem	Lecturer	MBA	Finance
16	Mr. Jamil Ahmed	Lecturer	MS	Finance
17	Dr. Muhammad Kashif	Lecturer	Ph.D	Finance
18	Ms. Safia Bano	Lecturer	MBA	Finance
19	Dr. Kaneez Fatima	Lecturer	Ph.D	Finance
20	Ms. Farae Naem	Lecturer	M.S	Marketing
21	Mr. Naqeeb Ullah Bareach	Lecturer	MPA	HRM
22	Mr. Muhammad Danish	Lecturer	MPA	HRM
23	Mr. Furqan Ul Haq Saddique	Lecturer	M.S	HRM
24	Ms. Masooma Iram	Lecturer	MBA	Finance
25	Dr. Kamal Bader	Lecturer	Ph.D	Social Networking
26	Mr. Tabish Shabee	Lecturer	MBA	Marketing
27	Mr. Zubair Sharif	Lecturer	MPA	HRM
28	Mr. Saud Al Taj	Lecturer	MBA	HRM
29	Mr. Nadir Khan	Lecturer	MS	Finance
30	Miss. Uzma Gilani	Lecturer	MBA	Marketing
31	Mr. Muhammad Naem	Lecturer	MBA	Finance
32	Mr. Watan Yar	Lecturer	MBA	Finance

5. Programs of Study

- 5.1 BBS (BACHELOR OF BUSINESS STUDIES)
- 5.2 MPA (MASTER IN PUBLIC ADMINISTRATION)
- 5.3 BBS(Evening)
- 5.4 MBA (Banking & Finance)
- 5.5 MS (Management Sciences)
- 5.6 Ph.D (Management Sciences)

6. Description of Courses

- 6.1 BBS (Morning & Evening) Study Programs:
 - 6.1.1 Compulsory Courses
 - BA-601 Mathematics & Statistics for Management
 - BA-602 Business Communication
 - BA-603 Fundamentals of Financial Accounting
 - BA-604 Principles of Management

BA-605	IT Application Packages
BA-606	Statistical Inference
BA-607	Business Economics Analysis
BA-608	Financial Management
BA-609	Marketing Management
BA-610	Human Resource Management
BA-611	Management Information System
BA-612	Economic Issues & Society
BA-613	Managerial Accounting
BA-614	Business Research Methods
BA-615	Organizational Behavior
BA-616	Strategic Management
BA-617	Quantitative Techniques for Business
BA-618	Financial Market and Institutions
BA-620	Business Law
BA-621	Entrepreneurship and Innovation Management
BA-622	Auditing & Taxation
BA-624	International Business Management
BA-625	Advanced Qualitative Research Methods
BA-626	Marketing Management
BA-627	Thesis (06 Credit hours)
BA-628	Managerial Economics
BA-671	Project Management
BA-672	Total Quantitative Management (TQM)
BA-673	Comparative Management
BA-674	Production & Operation Management
BA-675	Change Management
BA-677	Small and Medium Entrepreneur Management
BA-678	Mathematic for Business
BA-679	Statistics for Business

6.2 **Specialization Courses**

6.2.1 Five courses will be offered from the areas of specialization (Elective Courses)
Subject to availability of resource person. The specialization would be offered if the minimum number of students is (10).

6.3 **Finance**

BA-631	Financial Statement Analysis
BA-632	Investment Analysis
BA-633	Seminar in Finance
BA-634	Management of financial Institutions
BA-635	Project Financing and Evaluation
BA-636	International Financial Management
BA-637	Corporate Finance
BA-638	Portfolio Management
BA-639	Risk Management Analysis
BA-640	Islamic Banking and Finance

6.4 **Marketing**

BA-641	Marketing Research
BA-642	Sales Management
BA-643	Advertising and Promotional Strategies
BA-644	International Marketing
BA-645	Seminar in Marketing
BA-646	Marketing of Services
BA-647	Consumer Behaviour
BA-648	Strategic Brand Management
BA-649	Supply Chain Management

6.5 Human Resource Development

BA-651	Personnel Policy
BA-652	Training and Development
BA-653	Industrial Relations
BA-654	Labour Laws in Pakistan
BA-655	Conflict Management
BA-656	Compensation Management
BA-657	International HRM

6.6 Business Information Technology (BIT)

BA-661	E-Commarce
BA-662	System Analysis and Design
BA-663	Information System Development
BA-664	Computer Applications to Business
BA-665	Knowledge Based and Expert System
BA-666	Decision support system
BA-667	Technology Concept for Managers

6.7 MPA Study Program:

6.7.1 Compulsory Courses

PA-601	Mathematics & Statistics for Management
PA-602	Business Communication
PA-603	Fundamentals of Financial Accounting
PA-604	Principles of Management
PA-605	IT Application Packages
PA-606	Statistical Inference
PA-607	Business Economics Analysis
PA-608	Public Administration & Society
PA-609	Muslim Administration
PA-610	Management Information System
PA-611	Public Administration in Pakistan
PA-612	Financial Administration
PA-613	Project Management
PA-614	Business Research Method
PA-615	Organizational Behavior
PA-616	Comparative Public Administration
PA-617	Public Policy Analysis
PA-618	Thesis
PA-619	Local Government theory and practice

6.7.2 SPECIALIZATION COURSES

6.8.1 The student will opt two courses from any one of the following areas of specialization. An offer of areas of specialization and the courses within particular area will be the discretion of the IMS.

6.8.2 Development Studies

PA-631	Community & Rural Development
PA-632	Development Planning & Administration
PA-633	Sustainable Development
PA-634	Comparative & Development Administration
PA-635	Resource Development

- 6.8.3 Human Resource Development
 - PA-651 Personnel Management
 - PA-652 Training and Development
 - PA-653 Industrial Relations
 - PA-654 Labor Laws in Pakistan
 - PA-655 Conflict Management
 - PA-656 Time Management
- 6.8.4 Health Administration
 - PA-661 Health Financial Management
 - PA-662 Health Policy & Planning
 - PA-663 Epidemiology & Bio-Statistics
 - PA-664 Hospital Management
 - PA-665 Health Care Marketing
- 6.9 MBA (Banking & Finance) Study Program:**
 - BA-678 Business Mathematics & Statistics
 - BA-679 Business Research Methods
 - BA-680 Business Communication
 - BA-681 Information Technology in Banks
 - BA-682 Management
 - BA-683 Accounting for Business Enterprises
 - BA-684 Economics
 - BA-685 Banking Law & Practice
 - BA-686 Agricultural & Small Business Finance
 - BA-687 Marketing of Financial Services.
 - BA-688 Commercial Law
 - BA-689 Financial Management
 - BA-690 Human Resource Management & Development
 - BA-691 Islamic Banking
 - BA-692 Accounting for Financial Institution
 - BA-693 International Trade Finance and Foreign Exchange
 - BA-694 Credit Management
 - BA-695 Central Banking
 - BA-696 Investment and Portfolio Management
 - BA-697 Monetary Economics
 - BA-698 Project Planning & Evaluation.
 - BA-699 Strategic Management in Banks

7. Eligibility Criteria for Admission

7.1 BBS (Morning) Study Programs

- 7.1.1 Graduates in Arts, Science, Commerce, Business Administration, with at least 2nd division from any recognized University of Pakistan/ foreign University, having at least one of the following subjects
- 7.1.2 Economics, Mathematics, Statistics, Sociology, Political Science, psychology, Physics, Computer Science, Chemistry, Zoology and Botany.
- 7.1.3 Graduates having qualified current session annual examination and annual/supplementary examination of the session proceeding current session.
- 7.1.4 The candidate must be age 27 or less than 27 years..
- 7.1.5 The candidate shall have to secure 45% marks to qualify the aptitude test. Qualifying the aptitude test and appearing for the interview are compulsory for admission. If any candidate fails to appear before the admission committee for written test and interview on the fixed time and date, he/she shall not be considered for admission.

- 7.2 MPA (Morning) Study Program
- 7.2.1 Graduates holding any one of the following degrees:
B.A/B.Sc/B.Com/BPA/BBA/BCS/BIT/BBIT from any recognized University of Pakistan/Foreign University.
- 7.2.2 Graduates having qualified current session annual examination and annual/supplementary examination of the session preceding current session.
- 7.2.3 The candidate shall have to secure 45% marks to qualify the aptitude test. Qualifying the aptitude test and appearing for the interview are compulsory for admission. If any candidate fails to appear for written test and interview on the fixed time and date, he/she shall not be considered for admission.
- 7.3 MBA (Evening) Study Program
- 7.3.1 Graduate from any recognized University of Pakistan/Foreign University, working in any public/private organization.
- 7.4 MBA (Banking & Finance) Study Program:
- 7.4.1 The candidates seeking admission to MBA Banking & Finance (Afternoon) Program on Self-Finance Basis must meet the following eligibility criteria.
- 7.4.2 Graduates with at least 2nd division from any recognized University of Pakistan/Foreign University.
- 7.4.3 The candidate shall have to secure 50% marks to qualify the admission test. Qualifying the admission test and appearing for the interview are compulsory for admission. If any candidate fails to appear before the admission committee for written test and interview on the fix time and date, he/she shall not be considered for admission.

8. Pre-Requisites to the Degree Award

- 8.1 MBA & MPA (Morning) and MBA (Evening) Programs:
- 8.1.1 The student shall have
- 8.1.2 To successfully complete 20 credit courses.
- 8.1.3 To undergo 8 weeks training with Industrial/commercial organization in public or private sector.(Where as Students of MBA (Evening) program shall have to qualify the Project. The project is offered instead of internship).
- 8.1.4 To qualify comprehensive examination obtaining 50% marks.
- 8.2 MBA (Banking & Finance) Programs:
- 8.2.1 The student shall have
- 8.2.2 To successfully complete 22 credit courses offered by the IMS (At least 66 credit hours work).
- 8.2.3 To undergo six month Internship & training Program, three months in each year.
- 8.2.4 To qualify comprehensive examination obtaining 60% marks.

9. Attendance requirements⁹

- 9.1 Student shall have to be punctual and regular to attend all lectures, labs periods, semester sessions and fieldwork as required for each course.
- 9.2 Being absent for consecutive seven 07 days, The name of the student will be struck off from the attendance roll.
- 9.3 A student shall have to maintain at least 75% attendance of total lectures delivered in the course (s) to appear in the examination.

10. Facilities

- 10.1 **Computer Facilities:**The institute has two laboratories equipped with forty nine Pentium IV computers having internet and latest software facilities besides each teacher has his/her own Pentium III computer in his/her room connected with internet.
- 10.2 **Departmental Library:** The Departmental Library is managed by a qualified librarian and has a large collection of latest books, research journals and magazines covering a wide range of disciplines in Management Sciences for teaching and research purpose.
- 10.3 **Audio Visual Aids:** A seminar room equipped with all the modern facilities including slides, overhead projector, Portable multimedia, T.V. and V.C.R.

DEPARTMENT OF ECONOMICS

Introduction

- 1.1 The Department of Economics initially started in 1972 working at the Degree College, Quetta. Economics is a discipline of social sciences. It studies relationship between needs and scarce means which have alternative uses. Economics is the study of cause and effects. It deals with general principles of administration of resources, of an individual, a household, a business, or a state; this also includes the examination of the way of full utilization of resources and waste of resources arises in all such administrations.
- 1.2 Economics phenomenon or activity means every systematic endeavor 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.
- 1.3 The Department of Economics is the oldest and largest economics department offering masters degree among all the public sectors universities of Balochistan.

Objectives

- 2.1 To provide qualified and focused professionals in the field of economics to meet the future needs of public and private sectors and research institutes.
- 2.2 To prepare researchers to meet the needs of the public and private sectors research organizations.
- 2.3 To foster an environment that promotes learning through quality teaching and research, while encouraging mutual respect, tolerance and sensitivity.
- 2.4 To prepare researchers to meet the needs of industry and research organizations, science and technology at the federal and provincial level.
- 2.5 To develop personality of raw hands through continuous guidance and counseling.

Job Opportunities / Marketability Of Graduates

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

Faculty

S. No.	Name	Designation	Qualification	Field of Specialization
1	Ms. Riffat Arshad	Assistant Professor / Chairperson	MA (Economics) Ph.D Scholar (Working on Dissertation) Research Interests. Micro Finance, Gender related economic issues, Development economics, personnel economics, public economics and economic history	Public Finance & Monetary Theory, Agriculture Economics (Courses Taught) Comparative economic systems, international economics, macro economics, Agriculture economics, Public finance.
2	Dr. Jahangir Khan Achakzai	Assistant Professor/TTS	Ph.D. (Economics)	International Economics
3	Mr. Naseeb Ullah Bazai	Assistant Professor	M.A.(Economics)	Agriculture Economics & Mathematical Economics.
4	Mr. Abdul Rehman	Lecturer	M.Sc.(Economics on Study Leave for PhD in London	Development Economic & Micro Economics
5	Ms. Nadia Khan	Lecturer	MA.(Economics) M.Phil Scholar working on thesis	Public Finance and Monetary Theory, Development Economics
6	Mr. Arbab Muhammad Jahandad	Lecturer	M.A (Economics) M.Phil Scholar	Mathematical Economics and Micro Economics.
7	Ms. Tania Luni	Lecturer	M.Sc (Economics) Master in Development economics from Australia	Micro & Mathematical Economics Development Economics.
8	Mr. Gohar Khan	Lecturer	M.Sc (Economics) M.Phil Scholar	Micro economics Macro economics.
9	Mr. Ayaz Khan	Lecturer	M.Phil	Econometrics, Statistics, International economics
10	Mr. Asmat Khan	Lecturer	M.A (Economics)	Micro Economics Statistics

Programs of Study Offered

M.Sc Economics (Morning (Evening shift (CM Program) for regular candidates)

(M.Sc Economics (Evening Self Finance)

(M.A for Private candidates only)

M.Phil Economics

Distance learning M.Sc economics (Economics department is selected by University higher authorities) going to introduce and announce from upcoming session.

Description of Courses

M.Sc/ M.A (Previous)

Paper	Title	Marks
I	Micro Economic Theory	100
II	Mathematical Economics.	100
III	Statistics for economists.	100
IV	Econometrics I.	100
V	Functional English	100

Note:- Same Subjects for Regular and Private Candidates for previous year.

M.Sc/ M.A (Final)

Paper	Title	Marks
VI	Macro Economic Theory	100
VII	International Economics.	100
VIII	Economic Development & Planning	100
IX	Public Finance and Monetary Economics	100
X	Econometrics II (For regular candidates only)	100
XI	Research paper & presentation (For regular candidates only)	100
	Human Resource Development for private M.A candidates.	100

Note:- In final year paper No 6 and 10 are different for private candidates i-e VI Agriculture Economics and X Human Resource Development.

Eligibility Criteria for Admission in M.Sc Economics

B.A with economics or B.Com for regular candidates (Morning & Evening).

Eligibility Criteria for Candidates appearing as private candidate for M.A economics.

Those candidates who are having B.A with economics and Maths/ Statistics or B.Com are eligible to appear as private candidate for M.A economics.

Facilities in New Building.

The department of economics has shifted in newly constructed block, well equipped with modern educational facilities for students and for faculty members. New block was inaugurated by Governor Balochistan in 2015.

Prof. Shukarullah Memorial Library.

The department library is managed by a qualified librarian and has 700 books covering different disciplines of economics. These books are in addition to more than 2500 books available in central library of the University. A large number of international research journals are also available on the digital library. Journals of some reputed national organizations are also available in the library.

Computer Laboratory.

A well equipped computer laboratory is available, facility is for research activities for M.Sc and M.Phil students.

M.Phil/PhD Program in Economics

M.Phil program has been started in economics, by the approval of higher authorities. It is running according to HEC approved criterion. PhD program will start as the department will equipped with required number of regular PhD faculty members.

DEPARTMENT OF COMPUTER SCIENCES AND INFORMATION TECHNOLOGY

1. Introduction

- 1.1. The invention of microprocessor started influencing every facet of life in the 1970's. With the birth of personal computers its use has become very common. A post graduate diploma was started with the raise of a computer section in the department of physics in 1948.
- 1.2. This section became the Department of Computer Science in early 90's.
- 1.3. The Department has started teaching Master in Computer Science (MCS) classes since 2001 and BS(CS) and BS(IT) since 2002. The department is also offering MS(CS) and PhD(CS) programs since 2012.

2. Objectives

- 2.1. To produce qualified professionals in the field of CS and IT.
- 2.2. To inculcate an academic culture aimed at professional grooming and creative thinking.

3. Vocational Job Opportunities / Marketability of Graduates

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

4. Faculty

S.No.	Name	Designation	Qualification	Field of Specialization
1	Mr. Muhammad Khalid Badini	Assistant Professor / Chairperson	MS	Operating System and Web Programming & DBMS
2	Dr. Altaf Hussain Bouk	Professor (HEC Approved PhD Supervisor)	Ph.D.(University of Parma, Italy) B.Sc (Hons) & Msc	Optical Fiber Telecom, System Networks
3	Mr. Syed Amjad Hussain Jafri	Assistant Professor	M.Sc. (CS) M.Sc (Statistics)	Automata Theory, Data Structure and Programming Languages
4	Dr. Atiq Ahmed	Asst: Professor (HEC Approved PhD Supervisor)	Ph.D (France) MS (France) MCS	Wireless Networks, Telecom System, Multiagent Systems, AI
5	Dr. Ihsan Ullah	Assistant Professor	PhD (France)	Computer Networks

S.No.	Name	Designation	Qualification	Field of Specialization
6	Dr. Waheed Noor	Assistant Professor	PhD (Thailand)	DBMS, Data Mining, AI Machine Learning
7	Mr. Junaid Babar	Lecturer	PhD (Thailand)	Information Retrieval, D.B
8	Dr. Maheen Bakhtyar	Lecturer	PhD (Thailand)	Information Retrieval, SE
9	Dr. Abdul Basit	Lecturer	PhD (Thailand)	Computer Vision
10	Syed Muhammad Zubair	Assistant Professor	BS(CS), MS	Network Security
11	Mr. Jalaluddin Qureshi	Lecturer	B.E. (CE)	Data Structure
12	Mr. Anwer Ali Sanjrani	Lecturer	B.E. (CE), MBA	AI
13	Mr. Muhammad Shumail Naveed	Lecturer	BCS, MCS M.Phil	Computation Theory, Software Engineering
14	Mr. Liqueat Ali	Lecturer	BCS, MCS, MS	DBMS, Data Mining
15	Mr. Muhammad Raza	Lecturer	MCS	.NET
16	Ms. Tayyaba Noreen	Lecturer	M.Com	Economics
17	Ms. Shafaq Saira Malik	Lecturer	BCS, MCS	AI
18	Mr. Imran Ali	Lecturer	MCS	Software Engineering

5. OTHER STAFF

01	Mr. Muhammad Sajid	Lab Instructor	MIT, M.Phil	DBMS
02	Mr. Muhammad Rehan	Lab Instructor	MCS	DBMS

6. Programs of Study

- 6.1. **Morning Programme.** MCS (Master of Computer Science Two Year), B.S (Computer Science) & B.S (Information Technology) which is a four years degree programs.
- 6.2. **Evening Programme (Self Finance).** MCS (Master of Computer Science Two Years) MS (Master of Science) and short courses.

6.3. **Outline of Subjects.**

Both Morning & Evening programme's various courses are offered over a wide range of topics, including Algorithms development and analysis, Advanced Computer Architecture, Theory of Formal Languages, Theory of Computation, Design of Automation, Data Communication & Networking, Operating Systems, Software Engineering, Compute Graphics, Database Management Systems, Artificial Intelligence, Machine Learning. Apart from above programmes, various workshops, seminars and specialized professional courses are also organized to cover recent technological developments in hardware and software, and CASE (Computer Aided/Assisted Software/System Engineering) tools.

7. Description of Courses

7.1. MCS (Master of Computer Science)

7.1.1. Duration of Programme. Two Year

7.1.2. Number of Semesters. Four (Two semester Per Year)

7.1.3. Number of Courses. Maximum Twelve courses every Year

7.1.4. Credit hours per course. Three Credit Hours per course

7.1.5. Total Credit hours. 72

7.1.6. Total number of Course. 24

7.1.7. Number of available Seats 70

7.1.8. The course instructions include lectures, tutorials and laboratory work. The course material taught at Master's level in first year is intended to give a comprehensive grounding as conversion course to the graduates with little knowledge of Computer Science although the graduate are required to have some previous experience of programmimg. Graduates with a strong mathematics background are most likely to obtain maximum benefit from the courses.

7.1.8. During the second year of Master,s programme, courses are offered to the students along with a project study. The choice of optional courses and projects available to a student depends upon the schedule of lectures and availability of the faculty.

8. Eligibility Criteria for Admission

8.1. MCS.

Candidate must have passed the BSc./ B.Com./ BCS/ BE with minimum 45% marks.

MCS (Self Finance Evening) Two year Program

S.No	Details	Fee Break up	At the time of Admission +	1st Semester	2nd Semester	3rd Semester	4th Semester
1	Admission Fee	2000/-	2000/-		-----	-----	-----
2	Tuition Fee	84000/-	21000/-		21000/-	21000/-	21000/-
3	Computer Lab	2500/-	2500/-		-----	-----	-----
4	A.V. Equipment	1500/-	1500/-		-----	-----	-----
5	Library Fee	100/-	100/-		-----	-----	-----
6	I.D. Card Fee	50/-	50/-		-----	-----	-----
7	Security Fee (Refundable)	3000/-	3000/-		-----	-----	-----
8	Examination Fee	12000/-	3000/-		3000/-	3000/-	3000/-
9	DMC/Provincial	400/-	400/-		-----	-----	-----
	Total Rupees	105550/-	33,550/-		24,000/-	24,000/-	24,000/-
10	Application Form	750/-	-----	-----	-----	-----	-----
11	Re-Admission Fee	2000/-	-----	-----	-----	-----	-----
12	Registration Fee	500/-	-----	-----	-----	-----	-----

GRADING SYSTEM

Course without Lab

Course with Lab

Typical marks breakup is as follows:

Monthly Exams/Midterm	30%	20%
Final Examination	40%	40%
Quizzes/Class participation	15%	5%
Assignments/Projects/Reports	15%	10%
Practicals / Projects	-----	25%

Grades are assigned in the following manner		
Marks	Grade	Grade Points
85--100	A	4.0
80--84	A-	3.40--3.90
75--79	B+	3.10--3.30
70--74	B	2.80--3.00
65--69	B-	2.40--2.70
61--64	C+	2.10--2.30
58--60	C	1.80--2.00
55--57	C-	1.50--1.70
50--54	D	1.00--1.40
>50	Fail	

ATTENDANCE, STRUCK OFF AND READMISSION

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 provided that he has attended not less than 75% (cumulative) of lectures/seminars delivered in all theory courses. He has to complete 75% attendance in the laboratory/field work for grading of laboratory/field work course.

The name of the student will be struck off if his monthly attendance is less than 25%.

The student will have to get himself/herself readmitted within one week with fee Rs.500/- and within further three (03) days with fee Rs.1000/-. On failure of readmission his admission shall stand cancelled.

There will be at the most three chances for readmission for a four years program and two chances for a two years program. A student readmitted 3/2 times during the session of study program shall not be allowed a further readmission and his/her admission shall stand cancelled.

Students seeking readmission shall not be exempted from the payment of readmission fee.

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.

ACADEMIC STANDARDS AND COMPUTATION OF GRADES

To earn course credits, a student must obtain a minimum of 2.00 grade points in that course.

A student must obtain a minimum CGPA of 2.25 for award of a Degree in Grade D.

A grade F will be awarded to a student in a course for not achieving the desired competence. 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 for such students.

PRE-REQUISITES TO PROMOTION (GPA REQUIREMENT)

A student must maintain GPA of 2.00 on a cumulative basis during his/her academic program any student with a GPA less than 1.50 will be dropped from the rolls of the University forthwith.

A student securing a GPA between 1.50 and 2.00 will be put on probation for one semester.

At the end of semester, student will be required to improve his/ her GPA and bring it up to the required minimum of 2.00.

If a probationer shows an improvement, but his GPA is still below 2.00 his/ her probation may be extended for another semester.

If he/ she still fail to bring his / her GPA to 2.00 by the end of the next semester he/ she will be dropped from the rolls of the University.

If a student fails to pass certain courses and yet manages to maintain his/ her GPA equal to or above 2.00 he/she will be allowed to repeat and clear the course(s) or substitute (s) (wherever permissible) before the degree is awarded to him/ her.

GPA is computed at the end of each semester.

FACILITIES

Departmental Library:

The departmental library has over 1500 books covering a wide range of disciplines in computer science & information technology for teaching and research purpose.

Internet Facility:

The internet facility is also available in all Computer Labs & Teaching Offices. A large number of research journals are also available on Digital Library provided by HEC and research articles of interest can also be downloaded.

The Department has five well equipped labs (fully air-conditioned with 120 on line workstations)

Computer Lab

Name	Equipment / Facilities	Location
LAB 1	30 Pentium IV and dual core PCs, Multimedia Projector, Server, LAN, all time Internet connectivity	Computer Science
LAB 2	30 Pentium IV and dual core PCs, Multimedia Projector, Server (Dual Processor Xeon), LAN, all time internet connectivity.	Computer Science
LAB 3	30 Pentium IV and dual core PCs, Multimedia Projector, Server (Dual Processor Xeon), LAN, all time internet connectivity.	Computer Science
LAB 4	30 Pentium IV and dual core PCs, Multimedia Projector, Server (Dual Processor Xeon), LAN, all time internet connectivity.	Computer Science
Hardware LAB	20 Pentium IV PCs	Computer Science

MASTERS IN COMPUTER SCIENCE				
SEMESTER 1				
Course Code	Course Name	Credit Hours	Theory	Lab
EG 401	Functional English and Technical Writing	3		
CS 401	Design and analysis of algorithm	3		
CS 402	Computer programmer with C & C++	3	2	1
MT 401	Discrete mathematics	3		
CS 403	Database system	3	2	1
CS 404	Theory of Automata	3		
	Total	18		
SEMESTER 2				
CS 405	Data structure	3		
CS 406	Compiler construction	3		
CS 407	Principles of operating systems	3		
CS 408	Software engineering	3		
CS 409	Web engineering	3		
CS 410	Computer organization and assembly language	3	2	1
	Total	18		

SEMESTER 3				
CS 411	Computer architecture and networks	3	2	
CS 412	Advanced programming language	3	2	
CS 413	Computer graphics	3	2	
CS 414	Artificial intelligence principles	3		
CS 415	IT project management	3		
CS 416	Elective I	3		
		Total	18	
SEMESTER 4				
CS 416	Computer communication and networks	3		
CS 417	Software engineering II	3		
CS 418	Management information system	3		
CS 419	Elective II	3		
	Project	3		
		Total	18	

Comprehensive Exam

The Department of Computer Science has introduced Comprehensive Examination Paper for the MCS (Regular / Self Finance) . The Comprehensive Exam of MCS (Regular / Self Finance) include following subjects.

CS-401	Fundamentals of Algorithms
CS-408/417	Software Engineering-I & II
CS-410	Computer Organization and A. Language
CS-407	Principles of Operating Systems
CS-404	Theory of Automata
CS-405	Data Structure
CS-412	Advance of Programming Languages
CS-414	Artificial Intelligence Principles
CS-406	Compiler Construction
CS-413	Computer Graphics
IT-416	Computer Communication & Networks

Comprehensive Examination Fee Rs. 2250/-

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

1. Introduction

- 1.1 Libraries have played a pivotal role in societies providing knowledge to the people. 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. Consequently, Department of Library Science (now library and information science) was established in 1981 under the chairmanship of Dr. Iftikharuddin Khawaja. Master of Library Science (MLS) program was started in 1984. The department has started two year Master of Library & Information Science (MLIS) in 2006.

2. Objectives

- 2.1 To provide qualified and focused professionals in of library and information science to meet the future needs of educational institutes and industry.
- 2.2 To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- 2.3 To prepare researchers to meet the needs of industry and research organizations in science and technology including other sectors of humanities and social sciences.

3. Vocational Job Opportunities / Marketability

- 3.1 Educational institutions in the public / private sector.
- 3.2 Government / Semi Government and non Governmental organizations.
- 3.3 Libraries.

4. Faculty

S.No.	Name	Designation	Qualification	Field of Specialization
1	Mr. Rehmatullah Khan Baloch	Incharge, Assistant Professor	MLS & MA Economics	Classification, Reference & Library Philosophy.
2	Mr. Muhammad Ilyas	Assistant Professor	M.Phil in MLIS	Copyright, Classification
3	Mr. Muhammad Tahir	Lecturer	MLS & MA Archeology	History of Libraries, Archeology, Information Science

S.No.	Name	Designation	Qualification	Field of Specialization
4	Mr. Muhammad Qasim	Lecturer	MLS	Management of Lib & Info: Centres, Resource Sharing & Net Working
5	Mr. Abdul Baqi (on study leave)	Lecturer	MLS & M.A. IR	Cataloguing. Information Technology.
6	Ms. Munazza Jabeen	Lecturer	Ph.D	Information Management. (Scientometric Analyst)
7	Mr. Muhammad Anwar	Lecturer (contract)	M.Phil	Cataloguing. ICT. Research.

5. Programs of study

- 5.1 Master of Library and Information Science.
- 5.2 M.Phil in Library and Information Science.

6. Description of Courses

6.1 MLIS (Previous)

Paper	Title	Theory	Practical	Total Marks.
I.	Introduction to library & Information science.	80	20	100
II	Collection Development and Bibliographical Control	80	20	100
III.	Introduction to Classification Theory & Practice.	50	50	100
IV.	Introduction to Cataloguing Theory & Practice.	50	50	100
V.	Reference and Information Sources and Services.	80	20	100
VI.	Management of Libraries & Information Centers.	80	20	100
VII	Functional English			50

6.2 MLIS (Final)

Paper	Title	Theory	Practical	Total Marks
VIII.	Research Methodology.	80	20	100
IX.	Information Technology and Libraries	80	20	100
X.	Advanced Technical Operations.	80	20	100
XI.	Resource Sharing and Networking.	80	20	100
XII.	Research Paper and It Presentation.			100

Specialized Courses (Optional)

VI. Information Sources:

(Note: This paper includes three options, the student has to opt. any one)

a.	Information Sources of Science & Technology.	80	20	100
b.	Information Sources of Humanities and Social Science (offered)	80	20	100
c.	Information Sources of Islam & Pakistan.	80	20	100

(Note: The student has to opt any one from the following)

1.	Pubic Records, Rare and Archival. Material presentation.	80	20	100
2.	Communication and Media Librarianship.	80	20	100
3.	Serial Management.	80	20	100
4.	Advanced Management Techniques & Operations.	80	20	100
5.	Management Information Systems (MIS)	80	20	100
6.	Special Libraries	80	20	100
7.	Health & Medical Science Libraries.	80	20	100
8.	School Library media center.	80	20	100
9.	Academic Libraries.(offered)	80	20	100
10.	Public Libraries and Library Legislation.	80	20	100
11.	Law Libraries.	80	20	100
12.	Agriculture Libraries.	80	20	100
13.	Marketing of Library Information Services	80	20	100
14.	Thesis and Viva Voce.			100

Schemes of Students

M.Phil. Level Course (30 Credit Hours)

1st semester

- LIS.801. Theoretical foundation of library science (3 credit hours).
LIS.802. Theoretical foundation of information science (3 credit hours).
LIS.803. Development of library and information science in Pakistan (3 credit hours).
LIS.804. Quantitative research methods (3 credit hours).

2nd semester

- LIS.805. Qualitative research methods (3 credit hours).
LIS.806. Seminar in library & information science (3 credit hours).

Optional courses (Offered courses)

- LIS.807. Computer application in library & information science (3 credit hours).
LIS.808. Marketing of library & information services (3 credit hours).

3rd & 4th semester

- LIS.809. Research project/ thesis (6 credit hours).

7. Eligibility Criteria For Admission (MLIS)

- 7.1 B.A/ B.Sc. / B.Com/ Mlis. (M.Phil)
7.2 A candidate seeking admission in M.Phil/MS degree programs in a subject must possess a sixteen years education or 4 years B.A. / BS or equivalent program after F.A / F.Sc (130 credit hours or Master degree in the subject/related field library science from any recognized University/ Institution with a minimum obtained marks 50% (Annual System) or its equivalent CGPA 2.50 in Semester System.

8. Facilities

8.1 Departmental library.

the departmental library contains 1058 books/Maps and 285 thesis for the learning, teaching and research purposes.

8.2 Computer / Internet

A Computer lab of 10 Pentium IV and 10 Core i5 with 10 Wireless LAN Card as well as Internet facility is available as requirement of Practical work to meet the objective of new curricula to promote research activities.

8.3 Multimedia / Over Head Projector

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

Reserved Seats

03 Seats for working librarian / library personnel of Balochistan are reserved for admission to MLIS other than the seats reserved for categories "B" & "C" as mentioned in the prospectus of University of Balochistan, Quetta.

Future Plans

The department has the great aspiration to start the BS 4 year and Ph.D programs provided to get the required faculty and facilities in the department.



Faculty of **Life Sciences**

Institute of Bio-Chemistry

Department of Botany

Department of Microbiology

Department of Zoology





INSTITUTE OF BIOCHEMISTRY

1. Introduction

- 1.1. 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 has also been started.
- 1.2. 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 have become an exciting and challenging subject.
- 1.3. Biochemistry tries to answer questions that are fundamental to life. What are the molecules that constitute living organisms? How are they made & 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 & 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 application in Medicine, Agriculture, Brewing and Biotechnology. Biochemists devise new ways of diagnosing & treating human, animal and plant diseases.

2. Objectives

- 2.1. To prepare graduates in modern Biological Science such as Biochemistry/ Biotechnology who are able to make a valuable beginning to many different careers in their practical life.
- 2.2. To emphasis 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.
- 2.3. To provide Educational programs which encourage students to think creatively, constructively and to communicate their ideas effectively.
- 2.4. To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- 2.5. To provide qualified and focused professionals in the subject of Bio Chemistry to meet the future needs of educational institutes and industry.
- 2.6. To prepare researchers to meet the needs of industry and research organizations, science and technology.

3. Vocational Job Opportunities/Marketability of Graduates

- 3.1. Pharmaceutical /food industries.
- 3.2. Public/Private research Institutes/Centers relating to Medical and Agriculture
- 3.3. Educational Institutions-College/University level.
- 3.4. Balochistan at present has become an active of socio-economic field. 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 to Biochemistry graduates. At National level also, research in Biomedical Sciences is attracting attention.

4. Faculty

- 4.1. The Institute has two main functioning units i.e Biochemistry and Biotechnology. In addition to this there are two units i.e Analytical Biochemistry and Bioorganic Chemistry to support the main units. The faculty of the Institute of Biochemistry is highly qualified and experienced. Details are given below.

S.No	Name	Designation	Qualification	Field of Specialization
1	Prof. Dr. M. Anwer Panazai	Professor / Director	Ph.D (UoB)	Biochemistry
2	Dr. Muhammad Azam	Associate Professor (on Extra Ordinary Leave)	Ph.D (UK)	Polymers Science
3	Mr. Zahid Mehmood	Assistant Professor	M.Phil (UoB)	Biochemistry
4	Mr. Khalid Mehmood	Assistant Professor (on study Leave)	M.Phil (UoB)	Biochemistry
5	Dr. Ashif Sajjad	Assistant Professor	Ph.D (Italy)	Biochemistry
6	Dr. Muhammad Ayub	Assistant Professor	Ph.D. (UoB)	Molecular Biology/Biochemistry
7	Mr. M. Sharif Jamali	Lecturer	M.Sc.(QAU)	Biochemistry
8	Mr. Muhammad Hashim Jan	Lecturer	M.Sc.(UoB)	Biochemistry
9	Mrs. Pari Gul	Lecturer	M.Sc. (UoB)	Biochemistry
10	Ms. Samira Khaliq	Lecturer (on SL)	M.Sc.(UOB)	Biochemistry
11	Ms. Shahida Hussain	Lecturer (on SL)	M.Sc. (QAU)	Biochemistry
12	Mr. Sharif Hasni	Lecturer (on SL)	MS. Sweden	Biochemistry
13	Mr. Zia ur Rehman	Lecturer (on SL)	MS (AIT)	Biochemistry
14	Dr. Imran Ali	Lecturer	Ph.D (AIT)	Biochemistry
15	Mr. Noor Hassan	Lecturer (on SL)	M.Sc. (UOB)	Biochemistry
16	Mr. Aamir Rasool	Lecturer (on SL)	M.Sc.(KU)	Biochemistry

5. Programs of Study

5.1. M.Sc. Biochemistry

5.1. Two years program under the annual system.

5.2. M.Sc Program of Studies

5.2.1. M.Sc Previous

5.2.1 Biochemistry (Paper I)

5.2.1.1 Introduction to Biochemistry

5.2.1.2 Similarities of Eukaryotic & Prokaryotic cells.

5.2.1.3 Chemistry & Biological function of Biomolecules.

5.2.1.4 Biological fluids.

5.2.1.5 Enzymes.

5.2.1.6 Metabolism

5.2.1.7 Nutrition Principle of Nutrition

5.3.1 Bio-Organic (Paper II)

5.3.1.1 Introduction to general Organic Chemistry

5.3.1.2 Chemistry of Carbohydrates.

5.3.1.3 Chemistry of amino acids.

5.3.1.4 Chemistry of nucleotides, nucleosides and their polymers.

5.3.1.5 Chemistry of lipids.

5.3.1.6 Biodegradable polymers.

- 5.4.1. **Bio-Analytical (Paper III)**
- 5.4.1.1 Introduction to spectroscopy
- 5.4.1.2 Chromatography
- 5.4.1.3 Environmental Bio-analytical
- 5.4.1.4 Electrochemical techniques.
- 5.4.1.5 Radiochemical methods.
- 5.4.1.6. Statistics & Mathematics for Biochemistry

- 5.4.2. **Molecular Biology (Paper IV)**
- 5.4.2.1. Chemistry and Biochemistry of Nucleic acids.
- 5.4.2.2. Chromosome structure and functions
- 5.4.2.3. DNA replication.
- 5.4.2.4. Transcription and its mechanism.
- 5.4.2.5. Translation, genetic code, transnational process.
- 5.4.2.6. Gene expression.
- 5.4.2.7. Molecular basis of Mutations.
- 5.4.2.8. Biology of Cancer.
- 5.4.2.9. Repair of DNA.

5.5. **English Functional.**

6.3 M.Sc Final year.

6.3.1. **Contemporary Biochemistry (Paper 1)**

- 6.3.1.1. Genomics.
- 6.3.1.2. Biochemistry of Genetic Engineering.
- 6.3.1.3. Microbial Biochemistry.
- 6.3.1.4. Vaccine and Molecular Diagnostics
- 6.3.1.5. Structure and functions of Glycoconjugates.

6.3.2. **Current Trends in Biochemistry (Paper II)**

- 6.3.2.1. Protein Engineering.
- 6.3.2.2. Endocrinology.
- 6.3.2.3. Chemotherapy
- 6.3.2.4. Hematology.

6.3.3. **Specialized Topics (Paper III)**

- 6.3.3.1. Advanced Immunology.
- 6.3.3.2. Advanced Clinical Biochemistry.

6.3.4. **Thesis/ Practicals (Paper IV)**

- 6.3.4.1. **Research work**
(Literature Search, Experimental Work, Thesis writing)

7. M.Phil & Ph.D in Biochemistry & Biotechnology

The entry to M.Phil / Ph.D. Program is through NTS qualifying Exam. M.Phil degree program comprises of two semester course work of 24 credit hours and 6 credit hours of research / dissertation and Seminar. Ph.D course has been designed in the line with International GRE course to cover 18 credit hours in total. Each course is of 3 credit hours and it spreads on two semester. Institute of Biochemistry runs regular classes of M.Phil / Ph.D 1st 2nd semester in the evening.

7.2.1. First Year

7.2.1.1. Semester-1

Course 1	Chemistry of Biomolecules	3 Cr. hrs.
Course 2	Membrane Biochemistry.	3 Cr. hrs
Course 3	Recombine net DNA technology.	3 Cr. hrs
Course 3	Metabolism. (Optional)	3 Cr. hrs
	Total Cr.hrs.	12 Cr. Hrs

7.1.1.2. Semester-2

Course 1	Bioanalytical techniques.	3 Cr. hrs
Course 2	Spectroscopy (Optional)	3 Cr. hrs
Course 2	Advanced cell biology	3 Cr hrs
Course 3	Optional paper (Optional)	3 Cr hrs
	Total Cr.hrs.	12 Cr. Hrs

7.2.2. Second Year

7.2.2.1	Semester III & IV	
7.2.2.2.	Seminar I	
7.2.2.3.	Seminar II	
7.2.2.4.	Dissertation/ Research	6 Cr hrs

7.3. Ph.D. Program of studies

7.3.1 First Year

7.3.1.1 Semester-I

Course I	Biochemistry-I	3Cr. hrs
A.	Chemical & Physical Foundations.	
B.	Biomolecules: Structure, Assembly.	
C.	Methodology	
Course II	Cellular Biology	3CR. hrs
A.	Cellular Compartments of Prokaryotes & Eukaryotes.	
B.	Cell Surface & Communication.	
C.	Cytoskeleton, Motility & Shape.	
Course III	Molecular Biology & Genetics	Optional 3 Cr. hrs
A.	Genetic Foundations	
B.	Chromatin & Chromosomes, Methodology.	
	Total Cr. hrs.	09.Cr.hrs.

7.3.2. Second Year

Course IV.	Advanced Molecular Biology	3 Cr. hrs
A.	Genomics.	
B.	Genome Maintenance	
C.	Gene Expression	

- D. Gene Regulation in Eukaryotes.
- E. Bacteriophage & Animal & Plant Viruses.

Course V. Protein Chemistry **3 Cr. hrs**
 A. Protein Synthetic & Processing
 B. Cell Division, Differentiation & Development

Course VI Protein Chemistry.
 Protein Synthesis & Processing.

Course VII. Biochemistry-II **Optional** **3 Cr. hrs**
 A. Major Metabolic Pathways
 B. Bioenergetics (including respiration and photosynthesis)
 C. Regulation and Integration of Metabolism
 D. Catalysis and Binding

Total Cr. hrs. 09. Cr. Hrs

7.4 Second Year

- 7.4.1 Semester III & IV
- 7.4.2 Seminar - I
- 7.4.3 Seminar-II
- 7.4.4 Seminar-III
- 7.4.5 Dissertation / Research

8. Eligibility Criteria for Admission

- 8.1. **M.Sc. (2 years)**
- 8.1.1. B.Sc. With Chemistry & Biology (Second Division)
- 8.2. **M.Phil/ Ph.D**
- 8.2.1.1. For M.Phil, M.Sc and for PhD M.Phil/MS in a Chemical/Biological Science Subjects, along with NTS qualifying exams.

9.Number of Seats Available (35 Thirty Five)

- 9.1.1. The Total number of seats in each program of study including all categories of reserved seats shall be 35 (thirty five). The distribution of seats in each department is as under:-
- 9.1.2 **Local and Domicile of Balochistan - Category "A"** **30**

Open merit: Balochistan	10%	03	
Open merit Quetta District	15%	04	
Open merit: District other than Quetta	75%	23	
- 9.1.3 **Personnel Serving in Balochistan - Category "B"** **02**
 (Non-Local & Non Domicile) Daughter/Son/spouse
- 9.1.4 **University Employees/Nominees of AJK, Armed Forces/ Northern Areas/FATA and Federal School/ Reserved Seats for Disabled - Category "C"**
 Daughter/Son/Spouse **03**
- Total Seats** **35**

Category “C” applicants will submit their application forms to the Assistant Registrar (Students Affairs) by the date attached with the required documents and an affidavit

10. Facilities.

10.1. Well-equipped, purpose built laboratories. Major equipments 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.

10.1.1. **Internet Facility.** Internet net facility is available in the laboratories.

10.1.2. **Computer Laboratory.** A Computer laboratory connected to the inter net is available.

10.1.3. **Teaching labs.** 3 well equipped and modern scientific labs along with supporting staff are available for conducting practicals for MSc and BS programs.

10.1.4. **Research Labs.** 4 newly constructed labs with all modern facilities and a Central lab with many modern and up to date research facilities are available for M.Phil / Ph.D research.

10.1.5. **Departmental Library.** A newly constructed departmental library is available for the students.

11. Achievements

11.1. Our excellence in both teaching & research has been recognized by the quality assurance & the research assessment exercise by the Pakistan Council for Science & Technology.

12. Future Plans

12.1. The Institute has already envisioned its 2020 plan whereby this Institute will be strengthened and equipped so that it turns into a full fledged School of Biological Sciences with established setups for:

12.1.1. Biochemistry & Molecular Biology

12.1.2. Biotechnology and Bio-informatics

12.1.3. Biochemical Parasitology

12.1.4. Drugs Development

12.1.5. Clinical Biochemistry.

12.1.6. To achieve this we have already embarked upon the strengthening of our faculty and the in-service training of our teachers.

DEPARTMENT OF BOTANY

1. Introduction

- 1.1. Botany is the scientific study of plants and fungi. 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.
- 1.2. The Department of Botany was established in year 1979. Initially it was working as a Department of life sciences and later on started functioning separately as Department of Botany from 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.

2. Objectives

- 2.1. 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 / agriculture.
- 2.2. To prepare researchers to meet the need of industry, science and technology.
- 2.3. To provide educational programs which encourage students to think creatively, constructively and to communicate their ideas and skills effectively.
- 2.4. To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.

3. Vocational Job Opportunities / Marketability of Graduates

- 3.1. Educational Institutes, Colleges and Universities and Research Institutes
- 3.2. Pharmaceutical Industry and Fertilizer Industry
- 3.3. Forests, Wild Life, Agriculture, Horticulture and Floriculture.
- 3.4. Research Organization, Pakistan Agriculture Research Council (PARC), Arid Zone Research Institute (AZRI). Pakistan Council for Science & industrial Research (PCSIR).
- 3.5. Public/Private Research Organizations.

4. Faculty

S.No.	Name	Designation	Qualification	Specialization
1	Dr. Rasool Bakhsh Tareen	Professor (TTS)	Ph.D & Postdoc	Plant Taxonomy & Systematics
2	Dr. A.K.K. Achakzai	Professor (TTS)	Ph.D	Plant Physiology & Biochemistry
3	Dr. Atta M. Sarangzi	Professor/ Chairperson	Ph.D & Postdoc	Plant Ecology
4	Dr. Saeed-ur-Rehman	Professor	Ph.D	Taxonomy & Environmental Biology
5	Dr. Sadullah Laghari	Associate Assistant Professor	Ph.D	Pollution Ecology & Research Methodology
6	Dr. Zahoor Ahmed Bazai	Associate Professor & Director FTDC	Ph.D	Environmental Biology

S.No.	Name	Designation	Qualification	Specialization
7	Mr. Zahoor Ahmed Bazai	Assistant Professor & Director FTDC	Ph.D	Environmental Biology.
8	Dr. Gazala Shaheen	Assistant Professor (On Deputation)	Ph.D	Plant Anatomy & Environmental Biology
9	Mrs. Basra Sher	Lecturer	M.Sc.	Mycology & Pathology
10	Mr. Mohammad Younas	Assistant Professor (TTS)	Ph.D & Postdoc	Genetics & Molecular Biology
11	Ms. Shamim Gul	Assistant Professor (TTS)	Ph.D	Plant & Environment Interactions
12	Ms. Ayeesha Masood	Lecturer (on study leave)	M.Phil	Biochemistry/Biometry
13	Ms. Shazia Saeed	Lecturer	M.Phil	Plant Phycology
14	Ms. Kanval Shaukat	Lecturer (on study leave)	M.Phil	Biostatistics
15	Ms. Shaista Anjum	Lecturer	M.Phil	Bacteriology & Virology
16	Ms. Bakht Zareen	Assistant Professor	M.Phil	Bacteriology & Virology
17	Mr. Tariq Ismail	Research Officer	M.Sc.	Plant Tissue Culture
18	Mr. Ghous Bakhsh	Research Officer (on Deputation leave)	M.Sc.	Plant Tissue Culture

5. Programs of Study

- 5.1. M.Sc. (2 years)
5.2. M.Phil and Ph.D (2 and 3 years)

6. Description of Courses

- 6.1. All six courses in M.Sc. previous (1st year) are compulsory, whereas four courses are compulsory in M.Sc final year. However, M.Sc final year students also have to opt one optional paper in various disciplines of Botany i.e.Plant Physiology, Ecophysiology, Plant Biochemistry, Phycology, Advance Ecology, Advanced Taxonomy, Advance Genetics, Molecular Biology, Economic Botany, Introductory Bioinformatics and Genomics, Applied Ecology (Dendrochronology) and Soil Ecology etc.
The total marks are 1100 and breakdown of all courses are as under:-

6.2. M.Sc. (Previous) Course Work:

Courses offered in M.Sc. (Previous).

Paper #	Title	Marks	
		Theory	Practical
1	Phycology, Bryology & Research Methodology	75	25
2	Bacteriology, Virology, Mycology & Plant Pathology	75	25
3	Plant Physiology	75	25
4	Plant Ecology	75	25
5	Plant Systematic, Biodiversity and Conservation	75	25
6	Plant Anatomy and Diversity of Vascular Plant	75	25

6.3. M.Sc. (Final) Course Work:

Courses offered in M.Sc. (Final).

Paper #	Title	Marks	
		Theory	Practical
7	Genetics	75	25
8	Plant Biochemistry	75	25
9	Environmental Biology & Biostatistics	75	25
10	Research Paper & Presentation	70	30
11	Optional Paper (The students of final year will opt only one of the following courses) i.e.Plant Physiology, Ecophysiology, Plant Biochemistry, Advance Phycology, Advance Ecology, Advance Taxonomy, Advance Genetics, Molecular Biology, Economic Botany, Introductory Bioinformatics and Genomics, Applied Ecology (Dendrochronology) and Plant Soil System & Environment etc.	75	25

7. Eligibility Criteria for Admission

7.1. M.Sc.

7.1.1. Passed B.Sc. with Botany

7.1.2. Written test and interview to be qualified with 25% marks.

7.2. M.Phil/PhD.

For detail read the “Statutes and Regulations Governing the M.Phil & PhD Programs” which can be obtained from the office of the registrar, University of Balochistan, Quetta.

8. Facilities

8.1. The Department is fully equipped with modern sophisticated equipments. The Department has a Seminar Library, Museum, Herbarium, Botanical Garden and Laboratories of Anatomy, Biochemistry, Ecology, Economic Botany, Environmental Biology, Molecular Biology, Phycology, Physiology and Taxonomy. Departmental Library having a large number of text and reference books and some back issues of various journals of national and international repute.

8.1.1. Teaching Laboratories. The Department of Botany has three General Laboratories along with the supporting staff to cater the needs of M.Sc.

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

8.1.3. 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.

- 8.1.4. **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.
- 8.1.5. **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.
- 8.1.6. **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.
- 8.1.7. **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.
- 8.1.8 **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 and academicians all over the world to promote, share and discuss various new issues and developments in different areas of Biology. **Dr. Muhammad Younas Khan Barozai** is the Editor-in-Chief of the PAB.

DEPARTMENT OF MICROBIOLOGY

1. Introduction

- 1.1. 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.
- 1.2. Microbiologists are 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.
- 1.3. The Department of Microbiology was established in May 2006 and is aimed at 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.
- 1.4. The department is currently offering B.S Microbiology, M.Sc Microbiology, M.Phil/M.S Microbiology and Ph.D Microbiology degree programs. In the presence of qualified PhD faculty the department is offering research in diversified areas of Microbiology

2. Objectives

- 2.1. To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- 2.2. To provide qualified and focused professionals in the subject of Microbiology to meet the future needs of educational institutes and/or industries..
- 2.3. To prepare researchers to meet the needs of industry and research organizations, science and technology.
- 2.4. To develop the department as a nursery for the advanced level degree program at other institutions particularly in the province of Balochistan.
- 2.5. To enhance higher education in the field of applied biology and microbiological sciences

3. Vocational Job Opportunities / Marketability of Graduates

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

4. Faculty

4.1 The details of faculty members is as under:

S.No.	Name	Designation	Qualification	Field of Specialization
1	Dr. Abdul Malik Tareen	Assistant Professor / Chairperson	Ph.D	Microbiology
2	Mr. Abdul Wadood	Assistant Professor	M.Phil	Microbiology
3	Mr. M. Khanzeb (on Leave)	Lecturer	M.Sc	Microbiology
4	Dr. Ali Akbar	Assistant Professor	Ph.D	Biochemistry
5	Mr. Shabir Ahmed Khan	Lecturer	M.Phil	Microbiology
6	Dr. Kaleemullah Mandokhail	Assistant Professor	Ph.D	Microbiology
7	Mr. Imran Nawaz Bugti	Lecturer	Ph.D	Biotechnology
8	Dr. Fazal ur Rehman	Assistant Professor	Ph.D	Microbiology
9	Mr. Mohammad Yasir (Leave)	Lecturer	M.Phil	Microbiology
10	Ms. Hasina Wali (on Leave)	Lecturer	M.Sc	Microbiology
11	Ms. Rozina Rashid	Lecturer	M.Sc	Microbiology
12	Mr. Abdul Manan (on Leave)	Lecturer	M.S	Biotechnology
13	Mr. Mumtaz	Assistant Professor	M.Phil	Microbiology

5. Programs of Study

5.1. 5.2.1. M.Sc. (2 years) (eligibility)

5.2.2. Students (Male/Female) with at least 2nd division in B.Sc (Zoology, Botany, Bio-chemistry and organic chemistry) are eligible to apply for two years M.Sc program under the semester system.

5.2.3. The minimum qualifying CGPA for M.Sc degree is 2.0. Whenever students CGPA decreases from 2.0, he/she will be on probation for one semester. Whereas the student will be dropout from the roll of university if her/his CGPA decreases from 1.5 at any stage during the period of study.

6. Description of Courses

6.2 MSc- 4 semesters Program

Semester I

General Microbiology
Mycology
General Immunology
Bacterial Genetics
English

Semester III

Diagnostic Chemistry of Microbial Diseases
Molecular Immunology
Microbial Technology
Diagnostic Virology
Cell and Tissue Culture Technology

Semester II

Soil Microbiology
General Virology
Environmental Microbiology & Public Health
Marine Microbiology
Biostatistics

Semester IV

Clinical Bacteriology
Parasitology
Food and Dairy Microbiology
Research/Report writing

7. Facilities

7.1. **Teaching Laboratories:** - A laboratory has been established at the Department of Microbiology to teach basic techniques in bacteriology, immunology virology, hematology and mycology. The laboratories of the Department Zoology are being shared for teaching different microbiological techniques, where desired equipment and other required facilities are available.

7.2. **Research Laboratories:** - The research laboratories of CASVAB are being utilized for the research projects till the establishment of full-fledged research laboratories with required facilities become available at the Department of Microbiology

7.2.1. Research is carried out in the fields/area of:-

- Bacteriology
- Virology
- Mycology
- Immunology
- Molecular Biology
- Public Health problems
- Disease Diagnosis (Viral, Bacterial, Fungal & Protozoan)
- Biological Product (vaccines etc) production
- Serology & modern diagnostic/ research techniques
- Food preservation techniques
- Drugs efficacy against diseases.

7.3 **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.

7.4 **Department Library:-** A department library has been established and about 100 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.

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

7.6 **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.

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

DEPARTMENT OF ZOOLOGY

1. Introduction

- 1.1. Zoology is the study of organisms and their surrounding environment. Basically it is a combination of various disciplines such as Genetics, Physiology, Ecology, Developmental Biology, Microbiology, Parasitology, Entomology, Limnology, Fisheries and Wildlife etc. it plays pivotal role in socio-economic alleviation of poverty and in human resource development.
- 1.2. 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, post graduate and Doctoral programmes in various disciplines of Zoology.

2. Objectives

- 2.1. To provide qualified and focused professionals in the subject of Zoology to meet the future needs of educational institutes, industry and society.
- 2.2. To prepare researchers to meet the needs of industry and research organizations, science and technology.
- 2.3. To impart knowledge of major disciplines of Zoology, enabling the students to understand the principles of organization and inter-relationship in the Biological Systems with particular references to Animal diversity
- 2.4. To teach different methods to exploration, investigations, organization to data and its utilization in practical life.
- 2.5. To equip students with knowledge and skill for better planning and management of Animal resources, Environment, Health, Medicine, Agriculture and pest control.
- 2.6. To provide educational programs, which encourage students to think creatively.
- 2.7. To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.

3. Vocational Job Opportunities/Marketability of Graduates

- 3.1. Teaching and Research in public and private organizations.
- 3.2. Forestry, Agriculture and Biological Control Programmes.
- 3.3. Integrated Pest Management.
- 3.4. Poultry, Fisheries and live stock Industry.
- 3.5. Wildlife Management and Conservation, Government/NGO.
- 3.6. Environmental Conservation and Protection Agencies.

4. Faculty

S.No.	Name	Designation	Qualification	Field of Specialistaion
1	Dr. Muhammad Iqbal	Professor/Chairperson	Ph.D.	Entomology/Parasitology
2	Dr. Asmatullah Kakar	Professor	Ph.D.	Entomology/Parasitology
3	Dr. Rehana Mushtaq	Professor	Ph.D.	Biochemistry
4	Dr. Asim Iqbal	Associate Professor	Ph.D.	Immunology/Entomology
5	Dr. Shahbuddin	Assistant Professor	Ph.D.	Biodiversity/Parasitology
6	Dr. Ghulam Dastagir	Assistant Professor	Ph.D.	Fisheries/ Limnology
7	Dr. Wali Muhamad Achakzai	Assistant Professor	Ph.D.	Fisheries/ Limnology
8	Mr. Zahoor Ahmed	Assistant Professor	M.Phil	Parasitology
9	Mr. Faizullah Khan	Assistant Professor	M.Phil	Parasitology
10	Mr. Saeed Ahmed Essote	Assistant Professor	M.Phil	Entomology
11	Dr. Umbreen Shaheen	Lecturer	Ph.D.	Nanotechnology
12	Mrs. Tahseen Ara	Lecturer	M.Phil	Entomology
13	Kashif Kamran	Museum Curator	M.Phil	Entomology

5. Programs of Study

- 5.1. M.Sc 02 years duration (Annual System).
- 5.2. M.Phil 02 years duration (02 semester course work and 02 semester research work).
- 5.3. Ph.D. 03 year duration (Semester System).

6. Description of Courses

6.1.	M.Sc Zoology (Previous)	Theory	Practical	Marks
I.	Cell Biology and Biochemistry	75	25	100
II.	Animal Diversity and Wild Life	75	25	100
III.	Physiology and Animal Behavior	75	25	100
IV.	Genetics and Biostatistics	75	25	100
V.	Environmental Biology	75	25	100
VI.	Development Biology	75	25	100
VII.	Functional English	-	-	50
6.1.	M.Sc Zoology (Final)	Theory	Prac.	Marks
XIII.	Evolution & Principles of Systematic Zoology	75	25	100
IX.	Zoo-Geography & Paleontology	75	25	100
X.	Special Paper A (Entomology/Parasitology/Fisheries)	75	25	100
XI.	Special Paper B (Entomology/Parasitology/Fisheries)	75	25	100
XII.	Economic Zoology	75	25	100
VIII.	Insects of Medical & Veterinary Importance	75	25	100
XIV.	Research and Presentation	-	-	100

Detail of special Paper A and Special Paper B

Course	Detail
Parasitology-A	(Principals of Parasitology)
Parasitology-B	(Animal parasitology (Protozoology, Helminthology, veterinary & Medical entomology))
Entomology-A	(Morphology and Physiology & Social Behaviour of Insects)
Entomology-B	(Insects classification, pest control & Management)
Fisheries -A	(Fish Morphology & Eco-physiology)
Fisheries -B	(Aquaculture & Fisheries)

Note: All courses in M.Sc (Previous) are compulsory, while specialization is offered in M.Sc (final year in the above mentioned disciplines.

6.3 M.Phil Zoology (1st Semester)

Code	Status	Course	Credit Hours
Zool (M.Phil)-501	Core	Biostatistics-I (Analytical Biostatistics)	3+1
Zool (M.Phil)-503	Specialized	Entomology-I (Medical & Veterinary Entomology)	3+1
Zool (M.Phil)-505	Specialized	Parasitology-I (Principle of Parasitology)	3+1
Zool (M.Phil)-507	Specialized	Limnology-I (Applied aquaculture & pond Water Quality Management)	3+1
Zool (M.Phil)-509	Specialized	Microbiology-I	3+1
Zool (M.Phil)-511	Optional	Environmental Biology-I	3+1
Zool (M.Phil)-513	Optional	Advances in Genetics-I	3+1

6.4 M.Phil Zoology (2nd Semester)

Code	Status	Course	Credit Hours
Zool (M.Phil)-502	Core	Biostatistics-II (Computational Biostatistics)	3+1
Zool (M.Phil)-504	Specialized	Entomology-I (Classification of Insects)	3+1
Zool (M.Phil)-506	Specialized	Parasitology-I (Animal Parasitology)	3+1
Zool (M.Phil)-508	Specialized	Limonology-I (Fresh Water Biodiversity)	3+1
Zool (M.Phil)-510	Specialized	Microbiology-II	3+1
Zool (M.Phil)-512	Optional	Environmental Biology-II	3+1
Zool (M.Phil)-514	Optional	Advances in Genetics-II	3+1

Note: Total credit hours for M.Phil course is 30 credit hours including 24 credit hours for course work and 06 credit hours for research work.

6.5 Ph.D. Zoology (1st Semester)

Code	Status	Course	Credit Hours
Course-I/Zool-601	Core	Research Methodology	3+1
Course-II/Zool-602	Core	Biostatistics and Computing	3+1
Course-III/Zool-603	Optional	Molecular Biology	3+1
Course-IV/Zool-604	Optional	Vaccine Biology	3+1

6.4 Ph.D. Zoology (2nd Semester)

Code	Status	Course	Credit Hours
Course-V/Zool-605	Specialized	Biotechnology and Bioinformatics	3+1
Course-VI/Zool-606	Specialized	Immunology and Vector Biology	3+1
Course-VII/Zool-607	Specialized	Wild Life Management of Balochistan	3+1
Course-VIII/Zool-608	Specialized	Applied Entomology	3+1
Course-IX/Zool-609	Specialized	Fisheries	3+1
Course-X/Zool-610	Specialized	General Parasitology	3+1
Course-XI/Zool-611	Optional	General Assignment & Presentation	2+0

Note: Total credit hours for Ph.D. course is 30 credit hours including 18 credit hours for course work and 12 credit hours for research work.

7. Eligibility Criteria for Admission

S.No.	Degree Plan	Requirement
1	For M.Sc:	Bachelor in Science with Zoology and Chemistry
2.	For M.Phil:	M.Sc Ist division , 2.5 CGPA in Semester System.
3	For PhD:	M.Phil with 3.0 CGP for Semester System / for term system 1st division.

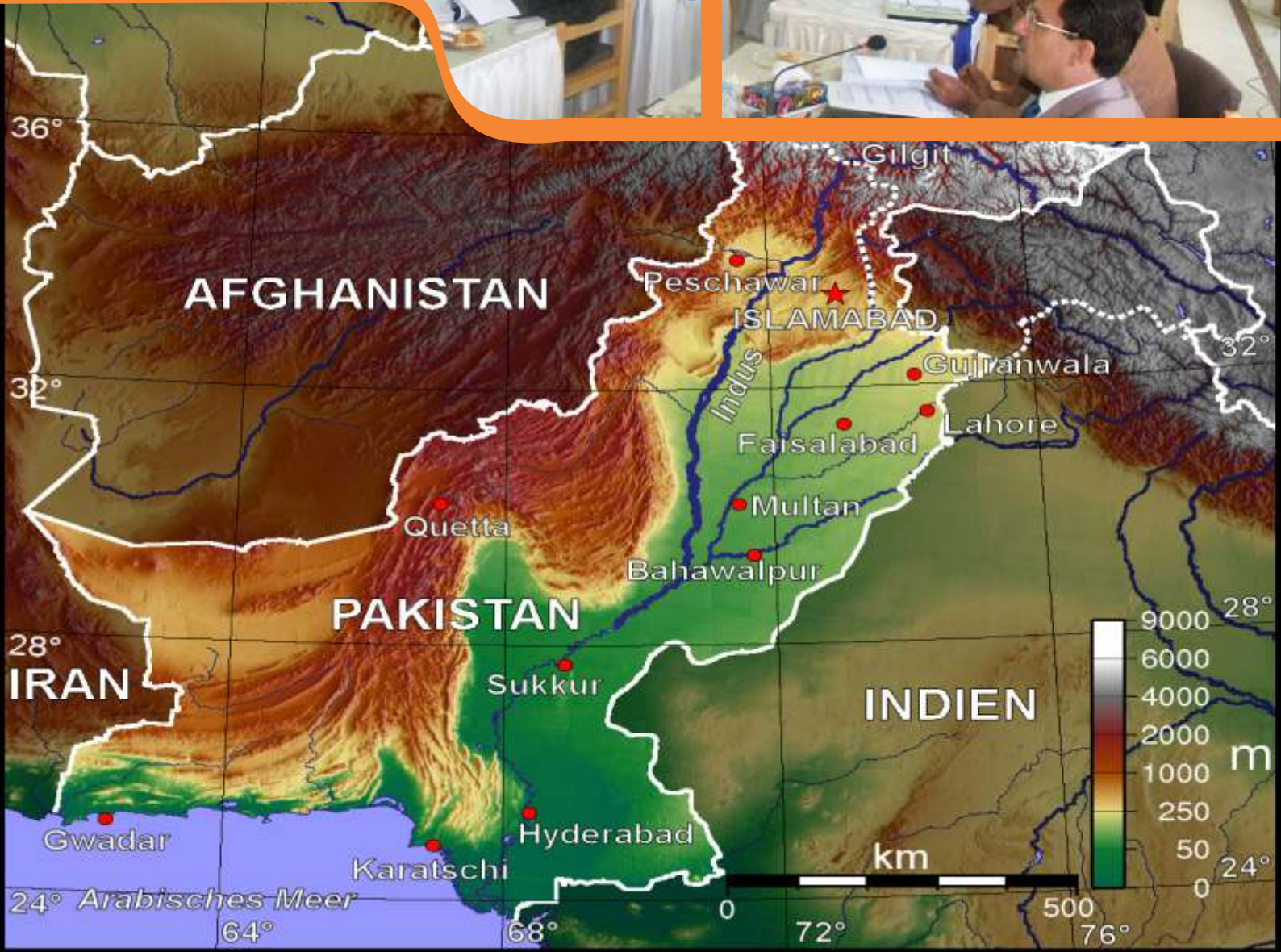
8. Facilities

- 8.1. **Computer Laboratory:** An air conditioned computer lab, for the student is established, comprising 24 computers along with printers and internet connectivity.
- 8.2. **Departmental Library:** Departmental library under qualified librarian has more than 1450 books covering a wide range of disciplines in Zoology for teaching and research purposes are available.
- 8.3. **Zoology Museum:** Full fledge wide range of collection including stuff animals and preserved animals for various respective courses are arranged.
- 8.4. **Laboratories:** All basic biological research facilities are available including Central Lab of Faculty of life Sciences.



Faculty of **Earth & Environmental Sciences**

Department of Geology
Department of Geography





DEPARTMENT OF GEOLOGY

1. Introduction

- 1.1 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.
- 1.2 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-Years (Applied Geology) Program is also offered.

2. Objectives

- 2.1 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.
- 2.2 To prepare professional and skilled manpower in the field of Applied Geology, capable of carrying out geological field and analytical work independently.
- 2.3 To provide training to plan and conduct goal-oriented research projects and assess their socio-economic aspects, achieve targets, write technical reports and scientific research papers and provide consultancy services.

3. Vocational Job Opportunities / Marketability of Graduates

- 3.1 The graduates will have opportunities to work in the following organizations:
Geological Survey of Pakistan (GSP).
Pakistan Atomic Energy Commission.
Hydrocarbon 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.
- 3.2 The opening of new projects, such as Saindak Metals Limited, Rikho-Die 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.

4. Faculty

S. No.	Name	Designation	Qualification	Specialization
1	Mr. Muhammad Ayub Baloch	Chairperson	M.Phil	Petroleum Geology
2	Dr. Akhter Mohammad Kasi	Meritorious Professor	Ph.D UK	Igneous & Matamorphic
3	Dr. Mehrab Khan Baloch	Professor Dean Earth & Environmental Science	Ph.D UoB	Igneous & Matamorphic
4	Dr. Abdul Tawab Khan	Professor Fulbrighter	Ph.D.	Ingenuous Petrology
5	Dr. Muhammad Ibrahim Baloch	Asst. Professor	Ph.D Ukraine	Hydrogeology
6	Mr. Din Mohammad Kakar	Asst. Professor	M.Phil	Sedimentology

7	Mr. Nasir Karim	Asst. Professor	M.Sc UoB	Sedimentology
8	Mr. Rahim Jan	Asst. Professor	M.Phil UoB	Sedimentology
9	Dr. Mohammad Umar	Asst. Professor	Ph.D UK	Biostratigraphy
10	Dr. Mohibullah	Lecturer	Ph.D UK	Biostratigraphy
11	Mr. Rahim ud Din Tareen	Lecturer	M.Sc UoB	Petroleum Geology
12	Mr. Tahir Iqbal	Lecturer	M.Sc UoB	Hydro-Geology
13	Ms. Khadija Nadimi	Lecturer	M.Sc QUI	Geophysics
14	Ms. Shazia Fareed	Lecturer	M.Sc UoB	Physics
15	Ms. Nazima Yousaf	Lecturer	M.Sc SBKWU	Chemistry
16	Mr. Aminullah	Museum Curator	M.Sc UoB	Petroleum Geology

5. Programs of Study

5.1.1. M.Sc. Program is running under annual system

5.2.2. **Duration:** (2 and 3 years)

6. Description of Courses

6.1. M.Sc. Programme

Course No.	Title	Marks
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6.1.1. M.Sc Previous

I	Structural Geology and Tectonics	75+25
II	Sedimentology	75+25
III	Economic Geology & Field Geology office	75+25
IV	Igneous and Metamorphic Petrology	75+25
V	Minerology	75+25
VI	Micropaleontology and Biostratigraphy	75+25
VII	Geophysics and Geomorphology	75+25
VIII	Field Work, Report and Viva Voce (Fieldwork is compulsory)	100

6.1.2. M.Sc. Final

X	Geology of Pakistan	75+25
XI	Research Project, Thesis and Viva	50+50
XII XV	Four courses to be chosen from a number of Groups of Specialization, depending on the availability of facilities in the Department. Two courses (out of the 4 chosen) must be directly relevant to the Thesis.	75+25 (each)

6.1.3. Groups of Optional Courses

Group 1	Minerology and Petrology
Group 2	Paleontology and stratigraphy
Group 3	Economic Geology
Group 4	Engineering Geology
Group 5	Petroleum Geology
Group 6	Sedimentology
Group 7	Hydrology
Group 8	Industrial Mineralogy
Group 9	Environmental Geology
Group 10	Structure, Tectonics and Neotectonics

7. Eligibility Criteria

7.1. M.Sc. (Geology) Programme

- 7.1.1. Passed B.Sc. Examination with the subject of Geology.
- 7.1.2. Medically fit. Beside general health, the student should be capable of undertaking climbing heights during field work and should not suffer from color blindness for the purpose of optical work.
- 7.1.3.
 1. The Candidate must have passed B.Sc with the subject of Geology.
 2. The Candidate has to appear in the entry test conducted by NTS and qualify on merit.

8. Facilities

8.1.1 **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).

8.2. Laboratories

- 8.2.1. **Geochemistry Laboratory:** This laboratory has some facilities for geochemical analysis. It is equipped with glassware and chemicals.
- 8.2.2. **Petrography Laboratory:** The petrography lab has facilities for megascopic analysis of minerals and rocks.
- 8.2.3. **Microscopic Laboratory:** This laboratory is well equipped for the microscopic analysis of the rocks and minerals. It contains transmitted and reflected research microscopes, polarizing microscopes and projected microscopes. One of the research microscope has attached computer, display monitor and camera for obtaining microphotographs.
- 8.2.4. **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 mesh sizes, abrasive sands and other chemicals used for the preparation of thin sections of rocks. Other equipments include crusher, water distal plant and micro grinder.
- 8.2.5. **Computer Laboratory:** This laboratory is equipped with fifteen computers, a Lease Printer, a Scanned and a Photocopier. Computers have connection with the main network of the University and internet. A large number of international research journals are also available on the Digital Literary provided by the Higher Education Commission, where students can download research articles of their interests.
- 8.2.6. **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.

DEPARTMENT OF GEOGRAPHY

1. Introduction

- 1.1. 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.
- 1.2. The major essence of geography is to explain and map terrestrial processes at various spatial temporal scales on the surface of the earth from place to place.
- 1.3. The GIS, Remote Sensing and Computer based Cartography skills help one to understand easily the human induced changes to the environment which threaten the balance of life itself.
- 1.4. The Department of Geography was established in 1985. It caters formal education and research in the fields of Human and Physical Geography with a focus on spatial dimensions of human activities and physical landscapes and awards Master degree in two years study programme. The Department of Geography has launched its higher studies on M.Phil & Ph.D. since 2014 in diverse subjects of Geography.

2. Objectives

- 2.1. To provide educational programmes which encourage students to think creatively, constructively and to communicate ideas effectively.
- 2.2. To foster an environment that promotes learning through quality teaching and research in the environment that encourages mutual respect and tolerance.
- 2.3. To provide qualified and focused professionals trained in the subject of Geography to meet the future needs of educational institutions and field oriented research departments at provincial and national level..
- 2.4. To prepare researchers to meet the needs of research organizations and administration.
- 2.5. To keep the society aware regarding socio-cultural and environmental problems and change in a variety of spatial settings.
- 2.6. To develop skill of quantitative analysis in addition to their descriptive capabilities of problems analysis and identification.

3. 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.

- 3.1 All educational and research Institutions.
- 3.2 Planning and Development Departments at National and Provincial level.
- 3.3 Firms consulting on environmental problems.
- 3.4 Small Scale Industries: As a Locational and Retail site Planner.
- 3.5 Institutions needing Environmental Analysts.
- 3.6 As a GIS Analyst in Corporation Operating GIS.
- 3.7 Census Organizations: Population, Agricultural etc.
- 3.8 Government Strategies Policy Analysis Departments.
- 3.9 Armed Forces (Air Force, Navy and Army).
- 3.10 Natural Resource Management (NRM).
- 3.11 GSP and Survey of Pakistan.
- 3.12 Meteorological Observatories of Pakistan.
- 3.13 Tourism Departments.
- 3.14 Crisis Management Cells.
- 3.15 National Disaster Management Authority (NDMA).
- 3.16 Educational Institutions.
- 3.17 SUPARCO.
- 3.18 As a Social organizer in NGO's.
- 3.19 Rural Development & Local Government.
- 3.20 UNDP

4. Faculty

S. #	Name	Designation	Qualification	Field of Specialization
1	Dr. Syed Ain-ud-Din	Associate Professor & Chairperson	M.S & Ph.D, (AIT, Thailand)	Disaster Management
2	Prof. Dr. Iftikhar Ahmed	Professor	M.S & Ph.D (China)	Climate Change Studies
3	Dr. Romana Ambreen	Associate Professor	Ph.D (China)	Climate Impact Studies
4	Dr. Muhammad Nawaz	Assistant Professor	Ph.D (Karachi, Pakistan)	Urban Geography
5	Dr. Ahmed Saeed	Assistant Professor	Ph.D (Lahore, Pakistan)	Agricultural Geography
6	Mr. Taleem Badshah Khattak	Assistant Professor	M.Sc (Peshawar)	Urban & Regional Planning
7	Dr. Said Qasim	Assistant Professor	Ph.D (AIT Thailand)	Natural Resource Management
8	Mrs. Abida Achakzai	Lecturer	M.Sc Balochistan	Regional Planning
9	Mr. Sanaullah Panezai	Lecturer	M.S (AIT, Thailand)	Medical Geography

5. Programs of Study

5.1. M.Sc.

The Master's Degree programme covers two years. During 1st year core courses are offered, while 2nd year candidates can opt for any one of the given fields of specialization with two papers, conditioned to the availability of staff and resources. Furthermore, the department has launched the curricula for M.Sc. Semester System 2016. Besides M.Sc. the Department of Geography has launched its higher studies programmes i.e. M.Phil and Ph.D from 2014.

5.2. Scheme of Studies of 2-Years M.Sc. degree (Semester Based) in Geography

M.Sc. in Geography will contain a total of 66 Credit Hours out of which 62 will cover the course while 4 credit will be for research work including field work and report writing.

Detail of Credit Hours for M.Sc. in Geography

Semesters	No. of Subjects	Credit Hours	Total Credit Hours
1st	5+1	3+2	17
2nd	6	3	18
3rd	6	3	18
4th	3	3	9
	Research Study	4	4
Total Credit Hours			66

6. COURSES DESCRIPTION

6.1 Semester - I

Course #	Course Title	Credit Hours
GEOG. 401	GEOMORPHOLOGY	3 (3-0)
GEOG. 402	Climatology & Oceanography	3 (3+0)
GEOG. 403	Human Geography	3(3+0)
GEOG. 404	Fundamentals of Cartography	3(2+1)
GEOG. 405	Economic English	2(2+0)
	Total	17

6.2 Semester-II

Course #	Course Title	Credit Hours
GEOG. 407	GIS & Remote Sensing	3 (2+1)
GEOG. 408	Computing, Topographic Surveying, Air-photos Interpretation	3 (1+2)
GEOG. 409	Applied Geomorphology	3 (3+0)
GEOG. 410	Geography of Settlements	3 (3+0)
GEOG. 411	Regional Planning	3 (3+0)
GEOG. 412	Environmental Planning & Management	3 (3+0)
	Total	18

6.3 Semester-III

Course #	Course Title	Credit Hours
GEOG. 413	Research Methodology	3 (3+0)
GEOG. 414	Quantitative Methods	3 (2+1)
GEOG. 415	Population Geography	3 (3+0)
GEOG. 416	Geographic Thought	3 (3+0)
GEOG. 417	Techniques in Geomorphology	3 (3+0)
GEOG. 418	Geography of Pakistan	3 (3+0)
	Total	18

6.2 Semester-IV

Course #	Course Title	Credit Hours
GEOG. 419	Principles of Disaster Management	3 (3+0)
GEOG. 420	Environmental Impact Assessment	3 (3+0)
GEOG. 421	Urban Planning	3 (3+0)
	Field Survey, Data Collection & Report Writing	6 (3+3)
	Total	15

7. 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.

8. Eligibility Criteria for Admission

8.1.1. B.A/B.Sc with Geography

9. M.Phil. / Ph.D Admission

M.Phil./Ph.D. programme has been started from 2014. The M.Phil./Ph.D. encompasses taught courses comprises of at least two semesters of 24 credit hours and a research dissertation of six (6) credit hours. The assigned times for M.Phil. & Ph.D. completion is two and three years respectively. The rules & regulations for M.Phil. & Ph.D is available in a separate manual published by the University of Balochistan, Quetta.

10. Facilities

10.1.1. Meteorological Laboratory

10.1.2. GIS and RS Laboratory

10.1.3. Cartographic Lab

10.1.4. Geomorphological Lab. (Combinedly use the Geology Department's museum for Identification of rock samples).

10.2. 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. The existing library provides services to both students and professionals belonging to different environment related departments/institutions within and outside the campus.

10.3. Internet Facilities

The internet facility is available at the department. A large numbers 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.



Faculty of
Education & Humanities
Institute of Education & Research (IER)

Department of Gender
Development Studies

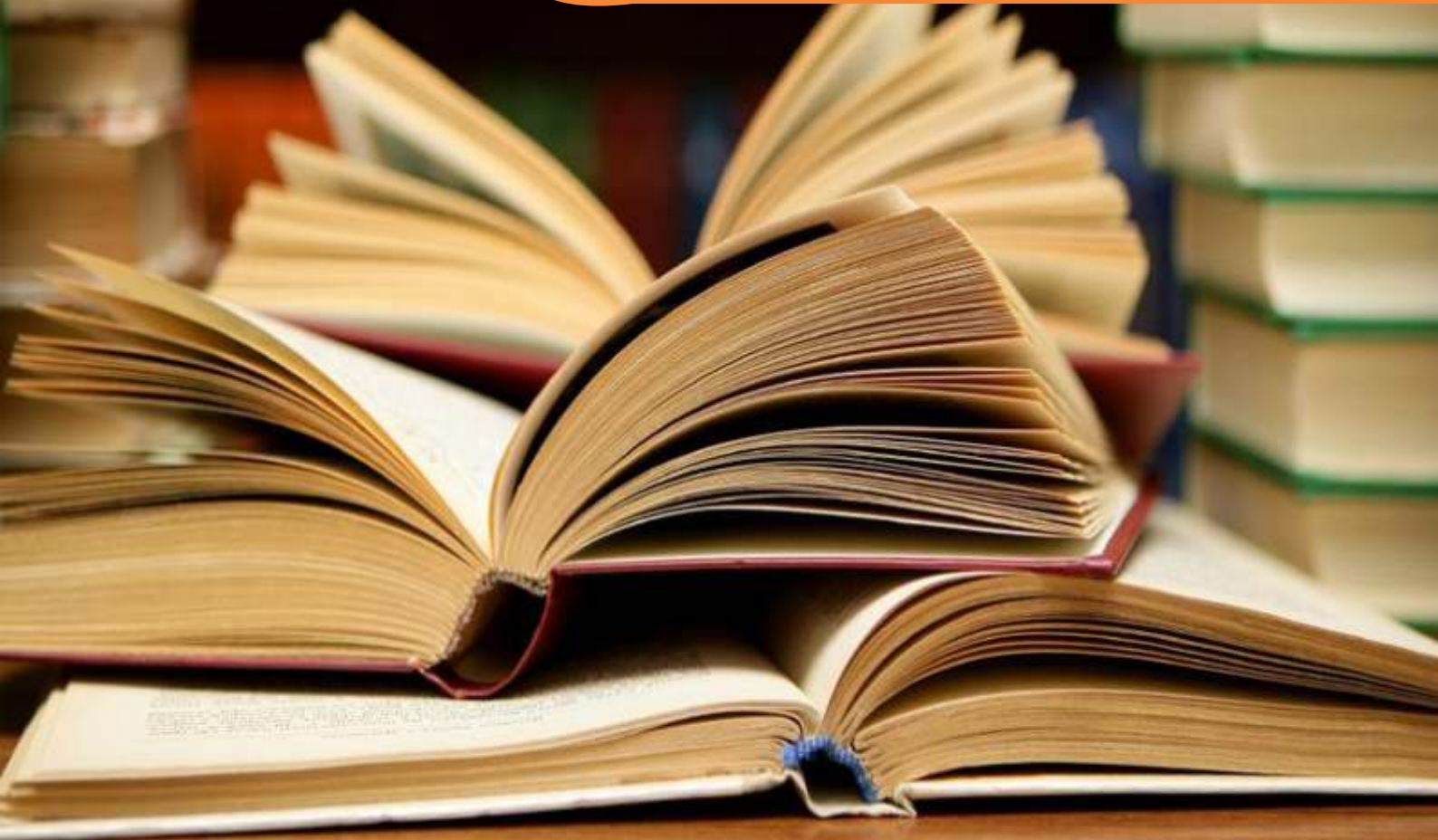
Department of History

Department of Islamic Studies

Department of Media & Journalism

Department of Philosophy

Department of Psychology



IER
INSTITUTE OF EDUCATION AND RESEARCH
UNIVERSITY OF BALUCHISTAN QUETTA



INSTITUTE OF EDUCATION & RESEARCH - (IER)

1. 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 have 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.

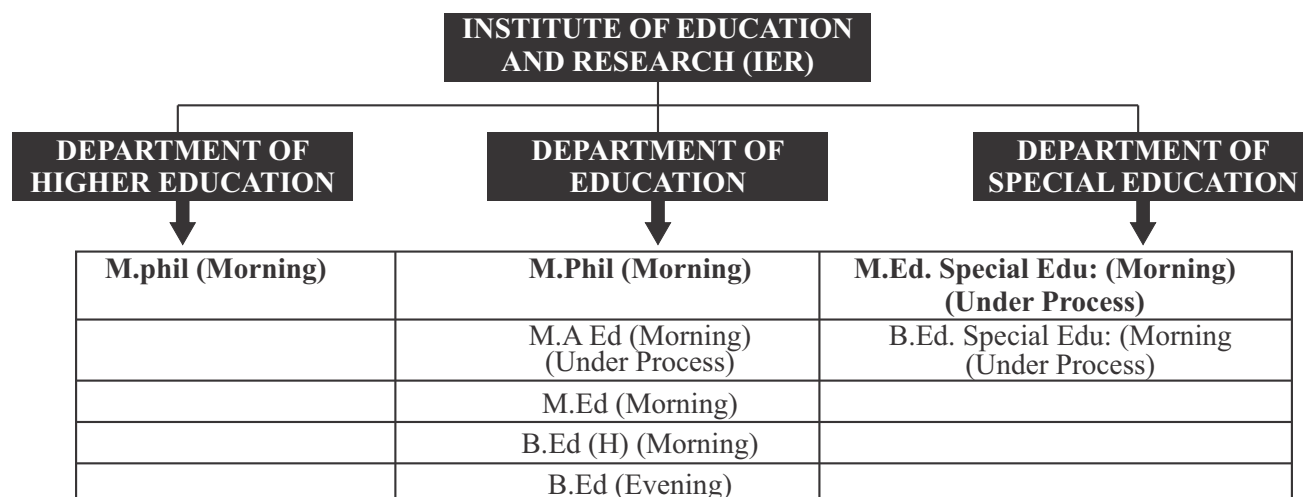
HISTORY OF THE UNIVERSITY & THE INSTITUTE OF EDUCATION & RESEARCH

The University of Balochistan was established in 1971 in Quetta, Balochistan, Pakistan. It has more than 6000 students in one campus. 42 Different fields of studies and 07 faculties.

The institute of Education and Research was established in 1976 as Department of Education. It was given the status of Institute in 2015. At the time of its Inception, the following objectives were set for the Institute.

Objectives

1. To produce professional teachers, who have the theoretical knowledge and understanding, combined with practical skills, competencies and commitment to teach.
 2. To inculcate the habit of enquiry and seek the research based knowledge and with a view to improve teaching and learning in schools.
 3. Development of modern teaching skills and techniques.
- * The Institute is the premier teacher Education institution in Balochistan. The Institute at present provides facilities to train candidates. The one year Master of Education (M.Ed) program was introduced in 1976 to extend opportunities for an advance degree in the discipline of Education.
 - * On year M.Ed, and B.Ed Evening program on Self-Finance were launched in 1999 to provide opportunities for professional growth and development for working school teachers. A regular two year Master of Arts in Education (M.A Education) Program of studies was introduced in 2005 to provide pre-Service teacher Education and training.
 - * In March 2011 the new Program ADE/B.Ed (Hons) was introduced by the support of USAID & Pre-STEP. It is a Pre-Service teacher education Program that can provide the better teacher to the Province.
 - * The Department of Education has upgraded as Institute of Education and Research (IER) in 2015. The institute has comprises three broad Departments.



- * The different programs of the institute as accredited in July 2013, for the next three years (2016). E.g. Me.Ed (Morning/ Evening) and B.Ed (H) programs. The benefit of accreditation will be that now our degree can be accepted as (accredited program degree) internationally.
- * Recently all the courses for B.Ed, B.Ed (H) & M.Ed have been revised and different specializations have been started in M.Ed program. The Institute from this academic session is starting its M.Phil (Education) classes. The institute started the Bi-Annual Journal, the first journal will be publish in July, 2015.

2. Vision Statement

The institute aims to engage partners to create a Centre of Excellence by strengthening, its faculty, improving infrastructure and setting policies and procedures to foster quality education.

3. Mission Statement

The Institute strives for quality Education for Pre and In-service teachers and educational managers through offering research-based program, providing collaborative and effective academic environment to meet the educational needs of the society.

3. Value Statement

The Institute operates on core values of commitment, creativity, responsiveness and respect to others to serve the community.

4. Faculty

S. #	Name	Designation	Qualification	Field of Specialization
1	Mr. Abdul Nasir Kiazai	Director/ Assistant Professor Institute of Education & Research	M.Phil / M.Ed. M.A/ LLB, Ph.D. Scholar (HU) Karachi	Education Foundation, Education Administration & Supervision
2	Mrs. Amir Bano	Chairperson/ Assistant Professor Department of Higher Education	M.Phil / M.Ed. Ph.D. Scholar (Priston University) Islamabad	Guidance & Counseling, Educational Psychology
3	Mr. Dost Mohammad Tareen	Chairperson/ Assistant Professor Department of Special Education	M.Phil / M.A (English Lit) M.Sc. (Math)	Research Method and Statistics
4	Ms. Bushra Batool	Chairperson/ Assistant Professor Department of Education	M.Ed / M.Sc M.Phil Scholar UOB	Education Psychology, Foundation of Education, Philosophy of Education
5	Mrs. Shireen Taj	Assistant Professor	M.Ed / M.Phil Scholar UOB	Curriculum Development / Society School & Teacher

S. #	Name	Designation	Qualification	Field of Specialization
6	Ms. Sajida Noureen	Assistant Professor	M.Ed. (UK) Ph.D. Scholar	Administration & Supervision
7	Ms. Zahida Achakzai	Lecturer	M.Ed/M.Sc/M.Phil leading to Ph.D Scholar (IIU) Isb.	Study Leave
8	Ms. Syeda Basit Anjum	Lecturer	M.Ed/M.Sc/M.Phil leading to Ph.D Scholar (UMT) Lhr.	Study Leave
9	Ms. Ayesha Akbar Gilani	Lecturer	M.Ed. / M.Sc.	Ex-Pakistan Leave
10	Mr. Ashraf Nasir	Lecturer	M.A Education M.Phil leading to Ph.D Scholar (GU) UK.	Study Leave
11	Ms. Khalida Panezai	Lecturer	M.Ed. / M.Sc M.Phil Scholar UOB	Education Psychology, Guidance & Counseling
12	Mr. Abdul Qadoos	Lecturer	M.Ed. / M.Sc M.Phil Scholar UOB	Management & Supervision Child Development & Research Method
13	Ms. Nadia Ali	Lecturer	M.A Education/M.A IR M.Phil Scholar	Teacher Education
14	Ms. Shumaila Dad	Lecturer	M.A Education M.A IR M.Phil Scholar	Curriculum Development
15	Mr. Abdul Wahab	Lecturer	M.Phil Scholar M.Ed M.A Sociology	Sociology Administration and Supervision

Admin Staff

S. No.	Name	Designation
1	Mr. Abdul Khaliq	Admin Officer
2	Mr. Nazeer Ahmed	Librarian
3	Mr. Muhammad Aamir	Incharge Accounts
4	Mr. Abdul Majeed	Office Assistant
5	Mr. Muhammad Anwar	Computer Lab Incharge
6	Mr. Rabani	Peon
7	Mr. Reham Dil	Peon

5. Program of Study

- 5.1. M.Ed. (Morning) 1 year
- 5.2. M.Ed. (Evening) 1 year
- 5.3. B.Ed. (Evening) 1 year

6. Description of Courses

6.1. M.ED. (1 YEAR) PROGRAM:

- 6.1.1. Foundation of Education
- 6.1.2. Research Methods and Statistics in Education
- 6.1.3. Curriculum Development
- 6.1.4. Guidance and Counseling
- 6.1.5. Measurement & Evaluation in Education
- 6.1.6. Educational Administration & Supervision
- 6.1.7. Modern Instructional Strategies
- 6.1.8. Gender Education
- 6.1.9. Functional English
- 6.1.10. Research paper writing

Note:

The research paper writing students should complete under the supervision of the assigned supervisors, finally the viva voce and presentation conduct by the department through Examination branch and external and internal examiners take the viva voce and presentations.

6.2. B.Ed (1 year) Program (Self Finance)

- 6.2.1. Perspective of Education in Pakistan
- 6.2.2. Human Development and Learning
- 6.2.3. School Organization and Management
- 6.2.4. Evaluation and Guidance
- 6.2.5. Society, School and Teacher
- 6.2.6. Essay (paper)
- 6.2.7. Two Special Methods Courses
- 6.2.8. Practice Teaching

NOTE:

PRACTICE TEACHING

Each Student is required to teach 40 Practice Teaching lessons in an assigned school under the supervision of a faculty member. These lessons shall be taught in the subject areas of the Two Special Methods courses. It carries 200 marks (25% to be awarded by the supervisor of the Practice Teaching Program). The remaining 75% marks will be awarded by panel of the examiners of the basis of two final lessons at the end of Practice Teaching Program.

7. Eligibility Criteria

7.1. PROGRAM OF STUDIES

- M.Ed (Morning)
- M.Ed (Evening)
- B.Ed (Evening)

QUALIFICATION FOR ADMISSION

- B.Ed. (2nd Div)
- B.Ed. (2nd Div)
- B.A. / B.Sc (2nd Div)

9. Facilities Provided by the Institute of Education and Research (IER)

- 9.1. **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.
- 9.2. **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.
- 9.3. **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 downloaded.
- 9.4. **Committee Room:** A Committee room equipped with all the modern facilities including slides, overhead projector, multimedia, IWB, and computer connected with internet and printer.
- 9.5. **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.
- 9.6. **Science Laboratory:** The Science Laboratory of the Institute has essential equipment and apparatus for practical work in the science subjects at secondary level.
- 9.7. **Instructional Aids:**
 - * Computers
 - * Printers
 - * Multimedia
 - * OHPs
 - * Screens
 - * Photocopier
 - * Laptops
 - * Cameras
 - * Scanner
 - * IWB (Interactive White Board)
 - * Wi-Fi Router
 - * USB
 - * Hard Drive

GENDER DEVELOPMENT STUDIES DEPTT

1. Introduction

- 1.1. Gender Development Studies Department aims at studying the lost or undiscovered lives of women in an interdisciplinary perspective directed towards a balanced understanding of social reality. It draws upon Anthropology, Sociology, Psychology and other Social Sciences. One of the reasons behind establishment this field is to compensate for the neglect of women in academic fields.
- 1.2. A women studies Centre was established in the University in 1988, which became functional in 1994. It was raised to the level of a Department in 2003. In 2007, it was re-designated as Gender Development Studies Department. 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 is the most recent discipline which aims at creating gender consciousness.

2. Objectives

- 2.1. To institutionalize Gender Studies with focus on women with a view to restructure knowledge including the contributions of women scholars.
- 2.2. To bring change in the society for accepting women as equal partners in development and create a gender balance in the progress of society.
- 2.3. To contribute to the World Debate on the women's question and to debate in Pakistan through teaching, research and investigation.
- 2.4. Identification of the salient issues in the debate on women's issues and building measures towards this end.
- 2.5. Identification replication and translation of the relevant material from the regional languages into Urdu and English languages.

3. Vocational Job Opportunities/ Marketability of Graduates

- 3.1. Public / private sector .
- 3.2. Educational Institute at Colleges / Universities.
- 3.3. NGOs UN country offices.

4. Faculty

S. No.	Name	Designation	Qualification
1	Dr. Zeenat Sana	Chairperson	Ph.D
2	Mrs. Rubeena Batool	Lecturer	M.A IR
3	Mrs. Nasreen Yousuf	Lecturer	M.A Sociology
4	Mr. Aurangzeb	Lecturer	M.A Sociology
5	Mrs. Shahida Habib	Lecturer	M.Sc Rural Development M.A Mass Communication
6	Mr. Shah Khalid Baloch	Lecturer	M.A Social Work
7	Mrs. Shahida Durrani	Research Officer	M.A Political Science M.A Pashto

Academic Programs

5. Programs of study

- 5.1. M.A two years (Previous & Final Year)
- 5.2. Thesis & Internship in Final Year

6. Eligibility Criteria for Admission

- 6.1. B.A with subjects of social sciences, Education & Humanities. (Gender Studies, Sociology, Social Work, Economics & Political Science)

7. Scheme of studies for M.A (2 years)

Previous year

Course Code	Course Title	Marks
GDS-P I	Introduction to Gender Studies	100
GDS-P II	Research Methodology.	100
GDS-P III	Women's Health & Education.	100
GDS-P IV	Women's Movements in Pakistan & South Asia .	100
GDS-P V	Gender & Politics.	100
GDS-P VI	Gender & Media.	100
	English Functional	50

Final year

Course Code	Course Title	Marks
GDS-F VII	Women, Gender & Religion.	100
GDS-F VIII	Gender Law & Human Rights in Pakistan.	100
GDS-F IX	Feminist Debates & Gender Development.	100
GDS-F X	Gender Based Violence.	100
GDS-F XI	Gender & Psychology	100
GDS-F XII	Thesis Writing	100

8. Facilities

- 8.1. Departmental library has 1000 books on the relevant subject. Different modules for training in gender Studies and material and received from other universities abroad are also present in the Library. The department has a Seminar Room, Audio Visual System along with a number documentaries, its own Sound System, Multimedia, Computers, and Overhead Project with screen, Fax Machine and Photocopier. It has two Computer Labs which are connected with internet. It has access to the main Library as well as to the Library of HEC.

DEPARTMENT OF HISTORY

1. Introduction

- 1.1. History is the study of the past based on findings, evaluation, and interpretation recorded evidence. It is a discipline that seeks both to understand the past in its own terms and to explain the present in light of the past for future guidance. Historical 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 concerns everything that exists or has existed. Students of history learn how to ask pertinent questions to society and to find answers through research and logical thought. Individually as well as collectively, they also become able to know how to utilize past experiences for better future planning.
- 1.2. The study of history provides majors with the research, analytical and informative skills necessary to every type of career. These skills include the ability to read quickly and pick out important points, to assimilate and synthesize information from a variety of sources, to present information effectively in oral and written form, and to make an informed judgment and to argue its merits.
- 1.3. The Department of History, University of Balochistan was established in the year March, 1987. In the first batch forty seven students were enrolled for a two year M.A degree course with just three teaching staff members. Over a span of nineteen years the Department has now adequately expanded in view of the present needs.

2. Objectives

- 2.1. To provide qualified and focused professionals in History to meet the future needs of educational institutes & research organizations.
- 2.2. To provide educational program which encourages students to think creatively, constructively and to communicate their ideas effectively.
- 2.3. To foster an environment that promotes learning through quality teaching and research which encourage mutual respect tolerance and sensitivity.
- 2.4. To prepare researchers to meet the needs of industry and research organizations, science and technology.

3. Vocational Job Opportunities/ Marketability of Graduates

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

4. Faculty

Sr. No.	Name	Designation	Qualification	Field of Specialization
1	Mrs. Saeeda Mengal	Assistant Professor / Chairperson	M.Phil	Balochistan, Pakistan & Afghanistan
2	Dr. Kaleemullah Bareach	Professor	PhD	History of sub continent & Pakistan, Afghanistan & Middle East History
3	Mr. Jahanzeb Khan	Lecturer (on leave)	M.Phil	European History

5. Programs of Study

M.A Two Years

6. Description of Courses for M.A

M.A Previous

Eligibility Criteria

The students seeking admission in M.A History (Previous) and the students appearing as a private candidates in M.A History must be B.A with History as an Elective paper.

SCHEME OF STUDIES

There will be six papers for both regular and private candidates.

<u>Paper Title</u>	<u>Marks</u>
Paper No. I Historiography.	100 Marks
Paper No. II History of Freedom Movement (1857-1947 A.D).	100 Marks
Paper No. III Pre-Islamic Arabia to the Fall of Umayyads (570-750 A.D).	100 Marks
Paper No. IV History of Europe (1789-1919 A.D).	100 Marks
Paper No. V History of Muslim Rule in India (712-1526 A.D).	100 Marks
Paper No. VI Functional English	50 Marks
(For Regular & Private Students)	
Sub-Total =	550 Marks

M.A (Final)

There will be six compulsory papers for both regular and private candidates.

Paper No. VII History of Abbasides (750-1258 A.D) & Muslim Rule in Spain (712-1492 A.D)	100 Marks
Paper No. VIII History of Muslim Rule in India (1526-1857 A.D)	100 Marks
Paper No. IX History of Pakistan (1947-2002 A.D)	100 Marks
Paper No. X History of Balochistan	100 Marks
Paper No. XI History of Europe (1891-1945 A.D)	100 Marks
Paper No. XII (Option-I) Research paper & Presentation. (Only for Regular Students) 70+30= & (Option-II) An Essay Writing (Only for Private Students)	100 Marks
Grand Total =	1150 Marks

DEPARTMENT OF ISLAMIC STUDIES

1. Introduction

- 1.1. The Subject of Islamic Studies mainly entails study of the Quran, Hadith, Fiqh, Islamic History, comparative study of religions and Arabic. It also includes special study of Seerat-u-Nabi, economic and political thought, Muslim philosophy & Research Methodology.
- 1.2. The department of Islamic Studies was established in 1973. Prof. Rashid Ahmed (Late) was the first chairman 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.

2. Objectives

- 2.1. To provide qualified and focused professionals in Islamic studies to meet the future needs of educational institutes.
- 2.2. To provide learning through in depth knowledge in the perspective of global changes and challenges.
- 2.3. To focus on Islamic values pertaining to socio-political and economic teachings derived from the Quran and the Sunnah.
- 2.4. 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 challenges and to bridge the gap between islam and other religions by providing an understanding of Islam.
- 2.5. To create an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.

3. Vocational Job Opportunities/Marketability of Graduates

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

4. Faculty

Sr. No.	Name	Designation	Qualification
1	Dr. Abdul Ali Achakzai	Associate Professor / Chairperson	Ph.D.
2	Dr. Syed Abdul Malik	Professor	Ph.D.
3	Dr. Syed Haider Shah	Associate Professor	Ph.D.
4	Mr. Rehmatullah	Assistant Professor	M.Phil
5	Ms. Farah Batool	Lecturer	M.A.
6	Ms. Shabana Qazi	Lecturer	M.A.
7	Ms. Tahira Firdous	Lecturer	M.Phil
8	Sahibzada Baz Muhammad	Lecturer	M.A.

5. Programs of Study

- 5.1. M.A 2 Years.
- 5.2. M.Phil and Ph.D Degrees.

6. Description of Courses of M.A Islamic Studies

M.A. Previous

Sr. No.	Papers	Marks
1	Al-Quran	100
2	Al-Hadith	100
3	Al-Fiqh	100
4	Arabic (1)	100
5	Functional English	50

6.2. M.A. Final

Sr. No.	Papers	Marks
6	Islamic History	100
7	Comparative Study of Religions	100
8	Economic System of Islam	100
9	Optional	
I-	Special Study of Seerah	100
II-	Philosophy & Tasawaf	100
III-	Islam & Science	100
10	Arabic (II)	100
11	Research paper & presentation for regular students, Research Methodology and Essay Writing for External Studetn	100

7. Facilities

- 7.1. **Departmental Library:** - The Departmental Library 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.
- 7.2. **Internet Facility:** - The internet facility is available in the office of chairman. It can be used at any time to get information and knowledge according to the requirements of the faculty members and students.
- 7.3. **Multimedia and overhead projector** available.

8. Performance of the Department

8.1. Since the establishment of Department More than 550 Students has been qualified In Master's Degree beside thousands of private candidates. A good number of them are teaching in the universities and various colleges as professors, working in banks, Judiciary, Civil Service and Pakistan Armed Forces. The M.Phil/Ph.D Courses have been started in the Department.

8.2. M.Phil and Ph.D's Figures are as under:-

Status	M.Phil	Ph.D
Degree Awarded	18	03
Degree in Process	05	02
Work in Progress	50	09

8.3. The Faculty Members of Department have published more than 170 research papers in various National/International Journals and participated in various Conferences/Seminars. Some of them have also published books covering different aspects of Islamic Learning.

DEPARTMENT OF MEDIA AND JOURNALISM

1. Introduction

- 1.1. Department of Media and Journalism offers two years Master's programme in Media & Journalism to cater to the needs of both print and electronic media industry.
- 1.2. Established in January 1987 by Dr. Professor Seemi Naghmana Tahir it initiated regular teaching in March 1987 with a small faculty of three, which has now grown manifold.
- 1.3. With the passage of time and enhanced faculty, new subjects were introduced and more efforts were put in to bridge the gap between theory and practice of and to meet the requirements of rapidly changing media market in the country. Department of Media and Journalism today is at par with leading universities of the country.
- 1.4. Mass Communication Department has been able to produce true professionals who have been duly recognized at national and international levels and are deputed on key posts, be it print and electronic media, public relations, NGOs, etc.
- 1.5. Courses offered by the Department are all aimed to cater to the future challenges of the professionals. Print and electronic media, reporting, sub-editing, advertising and public relations, development communications, research and magazine production are some of the major subjects taught keeping in view the marketability needs of the industry.

2. Objectives

- 2.1. To study contemporary knowledge of communication theories, methodologies, principles and strategies of communication, to become efficient communicators, media managers, administrators and researchers.
- 2.2. To seek inspiration from contributions of eminent regional journalists and scholars in the field of journalism.
- 2.3. To inculcate professional skills of managing media, reporting, public relations, advertising, development communication, newspapers and magazines production, electronic media and to conduct research in field of communication.
- 2.4. To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- 2.5. To provide qualified and focused professionals in the subject of Mass Communication to meet the future needs of educational institutes or industry.
- 2.6. To prepare researchers to meet the needs of industry and research organizations, science and technology.

3. Vocational job opportunities/ Marketability of Graduates

- 3.1. **Print media:** Newspapers & Magazines (newspapers and magazines in the capacity of reporters, sub-editors, news editors, assistant editors, heads of various editions, magazine in charge, editors, etc.).
- 3.2. **Electronic media:** Television & Radio, Production Houses (News reporters, anchors, producers' programmes, news and current affairs, translators, sub-editors and broadcasters).
- 3.3. **Public relations:** Public relations officers/managers, information officers, event managers, etc in various public and private sector organizations.

- 3.4. **Development sector:** NGOs and development agencies.
- 3.5. **Advertising:** Copy writers, concept writers, graphic designers, creative directors, account executives and managers in advertising agencies.
- 3.6. **Government jobs:** Press Information Department, Directorate of Public Relations and other departments.

4. Faculty

- 4.1. The Department of Media & Journalism has highly qualified and professionally experienced faculty comprising the following:

Sr. No.	Name	Designation		
1	Mr. Suleman Raja	Assistant Professor Chariperson	M.A Journalism (UK)	Reporting, Print Media Public Relations
2	Mr. Naseebullah	Assistant Professor Ex-Pakistan Leave	M.A Mass Comm:	
3	Mr. Baram Khan Ghouri	Assistant Professor	Ph.D.	Advanced Writing, Language & History Current Affairs
4	Mr. Yousaf Masih	Assistant Professor	M.A. Mass Comm:	Development Support Communication, Advertising, Opinion writing
5	Mr. Ejaz Ahmed	Lecturer (On Deputation)	M.A. Mass Comm:	
6	Mr. Fahim Baloch	Assistant Professor	M.Phil	Magazine Production, Mass Media in Balochistan
7	Mr. Babrak Niaz	Assistant Professor	M.Phil	Media History & Laws Research, Sub-editing
8	Mr. Sadaf Shah	Assistant Professor	M.Phil	Theories of Mass Communication, Radio & TV Journalism

5. Programs of study

- 5.1. M.A course, a two years degree programme.
- 5.2. Internship introduced in 1995 is mandatory for the students. They are required to serve in media Organizations for a period of three months or 180 hours in the Final Year. Students of MA Final are also required to produce and publish a Magazine.
- 5.3. M. Phil and Ph.D scholars have to complete the requisite number of credit hours for course work as laid down in the Higher Education Commission regulations for the said degrees. A thesis based on original research work is required to be submitted and defended. Duration of these degrees depends on the performance of the student and on the nature of research work. However, the minimum time limit for M. Phil is two years and three years for Ph. D.

6. Description of courses for M. A

6.1. The Department of Media & Journalism offers a two year Master's degree programme in Media & Journalism. Following courses are included in the scheme of studies.

6.2. Previous

	<u>Paper title.</u>	<u>Marks.</u>
I)	Functional English.	50
II)	Mass Media in Balochistan.	100
III)	Functional Urdu.	50
IV)	Theories of Media & Journalism.	100
V)	Print Media in Pakistan.	100
VI)	Re-writing & Sub-Editing.	100
VII)	Reporting.	100

6.3. Final

VIII)	Radio & Television Journalism.	100
IX)	Advertising & Public Relations.	100
X)	Current Affairs: Pakistan & Around.	100
XI)	Opinion Writing.	100
XII)	Magazine Production.	
	i) Theory.	50
	ii) Practical/Viva Voce.	50
XIII)	Development Support Communication and Research Methodology.	100
XIV)	Internship.	50
	i) Practical:	30
	ii) Viva Voce:	<u>20</u>
XV)	Research Paper	<u>100</u>
		<u>1350</u>

7. Eligibility criteria for admission:

7.1 B.A./B.Sc

7.2 Passed the above examination at most two years prior to the year of admission.

8. Facilities

8.1. **Broadcast Academy:** Department has established a Broadcast Academy in collaboration with Internews Network International under a linkage programme between the Internews and University of Balochistan. Academy has the capacity of training 12 students in a group providing them recording, editing and mixing techniques on latest technological equipment and soft wares.

8.2. **Teaching Class Rooms:** The Department has three class rooms having a maximum capacity of accommodating 40 students for their theoretical work based on class room teaching. Equipped with latest white boards, students can also be acquainted through modern means of teaching i.e. multi-media and over-head projectors.

8.3. **Production/Computer Laboratory:** A Production Laboratory equipped with latest computers exists in the Department for carrying out the Magazine and Newspapers production. Students are also practically trained in newspapers and magazines layout, advertisements and graphics designing, composing and electronic editing of news, features, articles, etc.

8.4. **Audio Visual Lab:** Department has a multi-purpose hall that can be used as Audio-Visual Lab and for holding seminars, workshops and conferences while the guest speakers are also invited for delivery of lectures.

8.5. **Seminar Library:** The Department's Seminar Library contains over 600 books covering wide range of subjects in Mass Communication for teaching and research purposes. These books are in addition to books stocked in the Central Library of the University. Besides, Library has a range of books on general topics, and reference books for research purposes. Newspapers and latest magazines are also available for the students.

9.Future prospects of growth and development of discipline of Media & Journalism:

9.1. Instead of offering only one masters degree programme, Department plans to offer three specializations as is being offered in University of Karachi and also planned by University of The Punjab but in Balochistan with some area specific changes.

9.2. Three sequence programe:

9.2.1. In the first year or two semesters core courses will be taught to all students but in the final year they will be offered three options:

9.2.2. Print Media & Public Relations

9.2.3. Development Support Communication & Media Research

9.2.4. Electronic Media: Radio and Television

9.3. Establishment of FM Radio Station:

9.3.1. As a first step towards providing training in the field of electronic media, Department of Mass Communication is planning to establish FM Radio Station in the Department where the students will be provided opportunity for writing, producing, editing and broadcasting various radio programmes as part of their course of study. Department has already set up a full fledged Broadcast Academy in which Radio production work is being undertaken.

9.4. Establishment of Television Studio:

9.4.1. Consequently, the Department also needs to establish Television Studio for in-house television broadcasting to cater to the needs of emerging job market in the field of television.

DEPARTMENT OF PHILOSOPHY

1. Introduction

- 1.1. Philosophy is defined as seeking truth for the sake of it the Study of Philosophy is essential for the understanding of the history of cultures, ideas 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 its. Philosophy deals with the truth behind entire human experience and knowledge.
- 1.2. Philosophy provides a transferable skill, one that can be used in many walks of life. It provides training in thinking rationally that cannot be obtained elsewhere. 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.
- 1.3 The Department of Philosophy was established in the year 1987 by Dr. Saeed Ahmed Rafiq as its first Chairman. It offers Masters degree programme of 2 years.

2. Objectives

- 2.1. To provide qualified and focused professionals in Philosophy to meet the future needs of educational institutes and industry.
- 2.2. To provide educational programs which encourage students to think creatively, constructively and to communicate their ideas effectively.
- 2.3. To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- 2.4. To prepare researchers to meet the needs of industry and research organizations.

3. Vocational Job Opportunities/ Marketability of Graduates

- 3.1. Instructors in philosophy at colleges and universities.
- 3.2. 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.
- 3.3. Civil Service (researchers and advisers for parliamentarian and parliamentary committees).
- 3.4. Social Work Departments.
- 3.5. NGOs (work in the areas of demoralization and governance environment and development, and peace)
- 3.6. Journalism and Publishing.

4. Faculty

Sr. No.	Name	Designation	Qualification	Field of Specialization
1	Prof. Dr. Malik Mohammad Tariq	Assistant Professor / Chairperson	P.hD	Muslim Philosophy
2	Mr. Hamid Hassan Khan	Assistant Professor	M.A	Modern Philosophy
3	Mr. Shafi Agha	Assistant Professor (Visiting Faculty)	M.A	Logic

5. Programs of Study

- 5.1. M.A. Two years program

6. Description of Courses

6.1. M.A Previous

- 6.1.1. Ethics.
- 6.1.2. Medieval Muslim Philosophy
- 6.1.3. Greek and Medieval Philosophy.
- 6.1.4. History of western Philosophy.
- 6.1.5. Meta Physics.
- 6.1.6. Functional English.

6.2. M.A. Final

- 6.2.1. Logic
- 6.2.2. Contemporary Western Philosophy
- 6.2.3. Muslim Thought in Sub-Continent
- 6.2.4. Philosophy of Religion
- 6.2.5. Research paper and presentation.

7. Eligibility Criteria for Admission

- 7.1. B. A. / B. Sc

8. Facilities

- 8.1. **Computer Laboratory.** Department has a well established computer laboratory equipped with latest computers.
- 8.2. **Departmental 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.
- 8.3. **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 also be down loaded.

DEPARTMENT OF PSYCHOLOGY

1. Introduction

- 1.1. 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.
- 1.2. Psychology not only focuses upon, in detail, 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.
- 1.3. 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.
- 1.4. It exercises an influence on the understanding and progression of other social sciences like Economics, Business, Human Resource, Administration and Social Work, The main objective of the Department of Psychology is to create awareness about the field of Psychology and its application in daily personal, professional and academic sphere of life.
- 1.5. The Department of Psychology was established in 1989 with a team lead by Dr. Muahmmad Waseem(chairman), Mrs. Neelam Firdous and Dr.Muhammad Azam Tahir, lecturer;later on the department was expanded with Ms. Mahreen Siddiqui, lecturer and Ms. Mussarat Jabeen, lecturer (late). In the first batch 15 students were enrolled for two years M.A. Degree program. Today the department has come to be as seat of rich learning in psychology aimed at exploring human psyche. The teaching faculty has enhanced their qualification by accomplishing M.Phil and PhD Degrees.

2. Objectives

- 2.1. To provide qualified psychology graduates who can help to alleviate the sufferings of catastrophic effects in the province
- 2.2. To provide capacity building services, various public and private organizations in Mental Health Related issues.
- 2.3. To contribute to the awareness of community on various psychological issues through conducting workshops / Seminars.
- 2.4. To provide qualified and focused professionals in psychology to meet the future needs of educational institutes or industry.
- 2.5. To foster an environment that promotes learning through quality and research while encouraging mutual respect, tolerance and sensitivity.
- 2.6. To prepare researchers to meet the needs of industry and research organizations, science and technology.

3.Vocational Job Opportunities / Marketability of Graduates

- 3.1. Education and Research Institutes
- 3.2. Armed Forces, Public/ Private
- 3.3. NGOs

4.Faculty

Sr. No.	Name	Designation	Qualification
1	Mrs. Neelam Firdous	Chairperson / Assistant Professor	M.Phil (Social Psychology) UOB, Quetta
2	Dr. Azam Tahir	Assistant Professor	PhD (Forensic Psych:) Greece
3	Ms. Mahreen Siddiqui	Lecturer (on study leave)	M.Phil (Clinical Psychology) UOB
4	Ms. Samreena Rose	Lecturer	M.Phil (Social Psychology) UOB PhD in progress
5	Ms. Nasreen Ali	Lecturer	M.A UOB, Quetta
6	Syed Azizuddin Agha	Lecturer (on study leave for PhD))	M.Phil (Social Psychology) UOB , Quetta
7	Dr. Saima Ambreen	Lecturer	PhD (Psychological Measurement QAU, Islamabad
8	Ms. Sara Durrani	Lecturer	M.S (Clinical Psychology) GCU, Lahore
9	Ms. Arifa Zainab	Lecturer	M.A, UOB, Quetta.

5.Programs of Study

5.1. M.A. in Psychology: A two year degree Program based on the following offered courses.

6.Description of Courses

6.1. M.A. (Previous)

6.1.1. Total Marks M.A. (Previous) 550

Paper Title	Marks
I History of Psychology	100
II Social psychology	100
III Psychopathology	100
IV Industrial Psychology	100
V English	50
(a) Practical	100

6.2. M.A. (Final)

6.2.1. Total marks M.A. (Final) 600

Paper Title	Marks
VI Experimental Psychology	100
VII Clinical Psychology	75
VIII Counseling Psychology	100
IX Psychological Testing	100
X Research Paper	100
(a)Practical & Psychological Tests	100
(b)Clinical Assessment Report	25

7. Eligibility Criteria for Admission

- 7.1. B.A/B.Sc. compulsory with Psychology (No admission forms would be accepted for processing without Psychology at Graduate level).

8. Facilities

- 8.1. **Experimental Laboratory.** The Department of Psychology has one laboratory, supervisor.
- 8.2. **Departmental Library.** The Departmental Library has over 500 books which cover wide ranged areas in psychology for teaching and research purpose. The library is managed by a qualified and professional librarian.



Faculty of **Social Sciences**

Balochistan Study Center

Department of International Relations

Department of Political Science

Department of Social Work

Department of Sociology

Pakistan Study Center





BALUCHISTAN STUDY CENTRE

1. Introduction

1.1. Baluchistan is a piece of earth which is full of every kind of resources. Especially it is very famous for its mineral, archeological sites, historical background, cultural and political institutes, ethnic groups, geographical location, strategic importance, languages and literatures. Doubtless, above mentioned fields of study are still unexplored and need more research and exploration. In the field of Archaeology the Mehrgarh, mounds of Naal (Khuzdar District), Mekran, Awaran, Kharan, Quetta, Zhob, Loralai and Kachhi plains are very interesting and famous. These archaeological sites are very attractive for the archaeologists all over the world. Baluchistan is a laboratory and research institute for archaeologists and researchers.

The area of Baluchistan is also very famous for its invasion's period history before the dawn of Islam. Many ethnic groups used the area of Baluchistan as a cross road from west to east and east to west. Aryans, Scythians, Achaemenians and Kushans crossed this region when they moved to Sindh, Punjab and Northern India. Historically this region has remained under the control of various dynasties, like Medians, Aschamanids, Greeks, Morians, Sasanids and Barhamans of Sindh before the advent of Islam in the area. These all historical guides provide us a big number of information about the past, but these all periods needed more research work.

The religious history of the area of Baluchistan is also very interesting and full of information. Before the advent of Islam in the area, religions such as Paganism, Zoroastrianism, Hinduism and Buddhism were in practice in the different parts of the region. The religious history of Baluchistan also gives big information about the past religions. And as well as the various periods ruins can be seen in the different parts of region. This kind of history well guides the historians to make the history on true and real basis.

Every part of Baluchistan was very important for invaders. Many political and external powers ruled upon this region, because of its trade and strategic importance towards sub-continent, which called, Bolan Pass and Moola Pass. So, control of this important huge area was very important for every imperial power. In Muslim period up to the emergence of Pakistan, the area saw many ups and downs. This long political period is very important for historians and researchers to make the regional history on objective basis.

1.2. Ethnic History of Baluchistan

Many ethnic groups are living in the different parts of Baluchistan from ancient time. They have their own history, culture and social institutes. Baloch/Brahuis are living in the east, west and south of the province. The northern areas of Baluchistan are of Pashtoon tribes from a long time. These ethnic groups played a major role in the society and politics of the area of Baluchistan. These ethnic groups and their social systems are the major focus of the Baluchistan Study Centre.

1.3 Cultural institutes.

The regional culture of the area of Baluchistan is one of the oldest cultures of the world human society. The Baloch and Pashtoon tribes of the region have a big rich and civilized culture. The Both nations Baloch and Pashtoon have their own cultural thoughts and institutes and for experts and researchers these regional cultures are not less than a laboratory and institute. The unique cultures of both ethnic groups are interesting and wide for anthropologists.

1.4. Language and literature:

Baluchistan is a multilingual region. Main languages of the region are Balochi, Brahui and Pashto while Sindhi and Persian are also spoken in some parts of the province. Some of these are the ancient languages of the region rich with literary resources. These have thousands of written resources, which are very useful for any field of social sciences, state sciences, languages and literature.

2 Balochistan Study Center

2.1 Introduction

2.1.1 To meet the academic and research challenges of the new era there was a dire need regarding establishment of such a teaching and research centre in the University of Balochistan, Quetta.

2.2. ESTABLISHMENT OF BALOCHISTAN STUDY CENTRE:

Balochistan Study Centre was established in the University of Balochistan in November, 1997 was formally inaugurated in October, 1998. It is aimed at the study of historic, geographical and culture facets of the province. It is tasks to guide and sponsor research pertaining to Literature, Culture, History, Languages, Origin of Ethnic Groups, Social System and Archaeology of Balochistan.

3. Objectives

3.1 The Centre aspires to achieve the following objectives:

3.2 To provide professional support for research in the province by registering M.Phil, Ph. D scholars to carry out research with emphasis on Balochistan.

3.3 To promote study and research on the history, archeology, anthropology, culture, economy languages, literature, politics and social structure o Balochistan.

3.4 To produce factual record and give world worldwide publicity to the unique cultural, archaeological ad historic sites of the province.

3.5 To publish research journal, books, monographs and brochures etc related to historical, cultural and linguistic research related to Balochistan.

3.6 Carry out short term research projects field studies regarding historical, archaeological and cultural aspects of the province.

3.7 To organize International, National and local seminars, conferences, symposiums, seminar lectures on different subjects related to Balochistan. To establish linkages with the national and international universities and institutions which are already engaged in the study on Balochistan's history, archaeology, culture, languages, literature etc.

4. Vocational Job Opportunities / Marketability of Graduates

4.1. Education / Research Institute in Private and Public Sector.

4.2. Consultancy in NGO's.

5. Faculty

S.No.	Name	Designation	Qualification	Field of Specialization
1	Dr. Abdul Hameed Shahwani	Professor / Director	Ph.D.	Cultural Studies/Brahui Language and Literature
2	Mr. Ghulam Farooq	Assistant Professor	M.Phil	Political & Ethnic History of Balochistan
3	Mr. M. Ayaz Mandokhel	Lecturer	M.A	Anthropology
4	Mr. Ghulam Nabi Sajid	Research Officer	M.A	Balochi Language Literature and Culture
5	Mr. Dur Jan Pirkani	Research Officer	M.A	Brahui Language Literature and Culture
6	Ms. Kalsoom Kakar	Research Officer	M.A	Pashto Language Literature and Culture.

6. Programs of Study

- 6.1. M.Phil.
- 6.2. Ph.D.

7. Description of Courses.

7.1. The Centre offers the Scholars to work on Various topics on Balochistan, like the land, History , Ethnic History , Culture , Literature, Languages of the area , Social System, Economic Position and the people etc: the center offers the following courses:-

- 7.1.1. Research Methodology.
- 7.1.2. Languages.
- 7.1.3. Social Sciences & Humanities

8. Eligibility Criteria for Admission

- 8.1 M.A in any subject of Social Sciences, Humanities , and Languages (Balochistan specific).
- 8.2 The applicant must have passed NTS.

9. Facilities

- 8.1 Library.** The Centre has its own library, containing above then three thousand books, journals and magazines. The books, reference books and material, encyclopedias and other resources are provided to the scholars to help assist them in their research work.
- 8.2 Research Journals.** The Centre is continuously publishing a Bi-Annual Research Journal since 1998. The Center's Journal (Balochistan Review ISSN: 1810-2174) approved by Higher Education Commission is also a major source of research about the area of Balochistan for the leading research scholars of not only Pakistan but scholars from abroad are also benefitting from this resource journal. Expertise of one of the faculty members of Media and Journalism Department of the University, Prof. Naseeb Ullah (who can be reached on naseebasmi@yahoo.com) have been acquired for editing of this journal to ensure its technical and professional reliability.
- 8.3 Seminar Hall.** The Balochistan Study Centre has its own Seminar Hall in which the Scholars of Balochistan Study Centre and many other departments in the University organize their Seminars etc in this hall. This well-equipped hall is also utilized for national and international seminars, conferences, workshops, debates and other programmes.
- 8.4 Museum.** The museum of Balochistan Study Centre is the richest and main museum of the Province of Balochistan having about 1000 first-hand archaeological objects excavated and collected from different sites including Mehrgarh, Zhob, Quetta, Naal, Mashkey, Turbat, Kalat, Surab, Kharan, Khuzdar, Bela and Kachhi plains of Balochistan. The Centre is also playing its role in extending expertise to the concerned quarters for preservation and protection of these sites. The Centre Museum has good number of rare archaeological object which are main source about the ancient history of the region. This Museum is a main source of inspiration for the archaeologists, anthropologists and other visitor from around the world.
- 8.5 Photo Gallery:** The BSC has also a Photo Gallery benefiting scholars, writers, students and general visitors to have ancient pictorial information about Balochistan.

DEPARTMENT OF INTERNATIONAL RELATIONS

1. Introduction

- 1.1. The Department of International Relations was established in 1984, and offering two years M.A. In International Relations.
- 1.2. With the advancement in technology distance has been shrinking and world has gradually become global village.
- 1.3. 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.
- 1.4. Business and industry has crossed the traditional borders of nation states and multinational corporations are now challenging the sovereignty of states.
- 1.5. The power potential of nation is no more restricted to boundaries, it gets directly influence to regional and super powers.
- 1.6. Mainly these relations have given birth to the discipline of International Relations. No country in the contemporary time can afford to ignore it.
- 1.7. The study of International Relations therefore has assumed a remarkable significance.

2. Objectives

- 2.1. To provide qualified and focused professionals International Relations to meet the future needs of educational institutes & research organizations.
- 2.2. To provide educational program which encourage students to think creatively, constructively, and to communicate their ideas effectively.
- 2.3. To foster an environment that promotes learning through quality teaching and research which encourage mutual tolerance and sensitivity.
- 2.4. To focus regional and international politics so that the graduates of international relations can comprehend to these scenarios.

3. Vocational Job Opportunities / Marketability of Graduates

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

4. Faculty

S.No.	Name	Designation	Qualification	Specialization
1	Dr. Abdul Manan Bazai	Assistant Professor Chairperson	M.Phil/Ph.D	Afghanistan
2	Mr. Muhammad Arif	Assistant Professor	M.Sc.	International Politics
3	Ms. Faiza Mir	Lecturer	M.A	Strategy
4	Mr. Mir. Wais Kasi	Assistant Professor	M.Phil - LLB	Middle East
5	Mr. Zafar Khan	Lecturer (on Deputation)	M.A	International Law

S.No.	Name	Designation	Qualification	Specialization
6	Mr. Fida Muhammad Bazai	Lecturer (on study leave)	M.Sc	West Asia
7	Mr. Abdul Qadir	Lecturer	M.A	West Asia, International Law
8	Mr. Ghulam Dastagir	Lecturer	M.A	Foreign Policy Analysis
9	Mr. Mansoor Ahmed	Lecturer (on Deputation)	M.Sc	Political Economy

5. Programs of Study

- 5.1. M.A. Two years program.
- 5.2. M. Phil.
- 5.3. Ph. D.

6. Description of Courses

6.1	M.A. (Previous)	Marks
Paper I	Concepts and Principals of International Relations	100
Paper II	International Organizations	100
Paper III	International Law	100
Paper IV	Foreign Policy Analysis	100
Paper V	International Relations Since 1945	100
Paper VI	Functional English	50
6.2	M.A. (Final)	
Paper VII	Pakistan's Foreign Policy	100
Paper VIII	The Policies of International Economics Relations	100
Paper IX	Strategic Studies	100
Paper X	Option (A) West Asia, since 1919 and the Arab World	100
Paper XI	Research Thesis (paper) for Regular & Essay for Private	100
Total Marks		1050

7. Eligibility Criteria for Admission

- 7.1. Passed B.A/B. Sc./B.Com. with Political Science or History or Economics.

8. Facilities

- 10.1. **Departmental Library** has (100) valuable reference books (30) journals & (1000) regional press article selections. Department is establishing a video library.
- 10.2. **Computer lab.** Department has computer laboratory for students.
- 10.3. **Internet Facility.** The internet facility is also available in this laboratory and all rooms of 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.
- 10.4. **Class Rooms.** Class rooms are equipped with multimedia audio visual aids.

DEPARTMENT OF POLITICAL SCIENCE

1. Introduction

- 1.1. Political Science is a Social Science discipline concerned with the study of the state, government and politics. It deals extensively with the theory and practice of Politics, and the analysis of Political System and political behaviour. Political scientists see themselves engaged in revealing the relationships underlying political events and conditions. And from these revelations they attempt to construct general principles about the way the world of politics works.
- 1.2. Political scientists study matters concerning the allocation and transfer of power in decision making, the roles and systems of governance including governments and International organizations, political behaviour and public policies. They measure the success of governance and specific policies by examining many factors, including stability, justice, material wealth and peace.
- 1.3. The Department of Political Science was established in 1974 by Dr. S. Riaz Ahmed. The Department of Political Science offers M.A. M.Phil and Ph.D. Programs and stands among the highly productive departments of the University. Admission to the courses are based on competition and merit.

2. Objectives

- 2.1. To provide qualified and focused professionals in the subject of Political Science to meet the future needs of educational institutes or industries.
- 2.2. Providing students with opportunity pursue knowledge, involvement in a discourse about politics, moral evaluation of political concept and the resolution of practical, political problems.
- 2.3. To allow students to combine practical knowledge about politics with insights into the timeless questions fo political life, individual and his place in society.
- 2.4. Encouraging the application of rigorous ethical and intellectual standards in the profession.
- 2.5. To provide qualified and focused professionals in the subjects of Political Sciences to meet the future needs of educational institute or industry.

3. Vocational Job Opportunities / Marketability of Graduates

- | | |
|--|---|
| 3.1. Political Analyst | 3.2. Federal / Provincial Civil Service |
| 3.3. Journalism | 3.4. International Organization |
| 3.5. Public Relation Officer | 3.6. Management Positions |
| 3.7. Education / Research Organization | 3.8. Self employment |

4. Faculty

S.No.	Name	Designation	Qualification	Field of Specialization
1	Dr. Naheed Anjum Chishti	Associate Professor / Chairperson	Ph.D. Gold Medalist	Muslim Political Thoughts, International Law
2	Dr. Abdul Qadir	Assistant Professor	Ph.D	Public Admn. in Pakistan, Constitutions
3	Mr. Abdul Manan Kakar	Assistant Professor	M.Phil	Local Government
4	Mr. Mumtaz Ali Baloch	Assistant Professor	M.Phil	World Affairs

S.No.	Name	Designation	Qualification	Field of Specialization
5	Mr. Adil Zaman Kasi	Assistant Professor	M.Phil	Govt. & Politics in Pakistan
6	Ms. Hussan Ara Magsi	Lecturer	M.Phil	Western Political Thought, Gender Politics
7	Mr. Abdul Zahir Mengal	Lecturer	M.A	Comparative Politics, International Political Economy, Nationalism
8	Mr. Syed Amir Shah	Lecturer	M.A	Western Political Thought, Research Methodology
9	Mr. Asadullah Baloch	Lecturer	M.A Gold Medalist	International Law, Muslim Political Thought
10	Mr. Shoukat Ali	Lecturer	M.A	International Economic Relations

5. Programs of Study

- 5.1. M.A. 02 years
5.2. M. Phil 02 years
5.3. Ph. D 03 years

6. Description of Courses

6.1. M.A. Previous (1st Year)

- | | | | | |
|--------|-----------|--|-----|-----|
| 6.1.1. | Paper I | Ancient and Modern Political Thoughts | 100 | |
| 6.1.2. | Paper ii | Muslim Political Concepts and Institutions | 100 | |
| 6.1.3. | Paper iii | Comparative politics and political systems | | 100 |
| 6.1.4. | Paper iv | Government and politics in Pakistan | | 100 |
| 6.1.5. | Paper v | Research methodology | 100 | |
| 6.1.6. | Paper vii | Functional English | 50 | |

6.2. M.A. Final (2nd Year)

- | | | | | |
|--------|------------|--|-----|-----|
| 6.2.1. | Paper viii | Public Administration in Pakistan | 100 | |
| 6.2.2. | Paper ix | Local Government in Pakistan | | 100 |
| 6.2.3. | Paper x | World Affairs: 1945 to date | 100 | |
| 6.2.4. | Paper xi | International Economic Relations | 100 | |
| 6.2.5. | Paper xii | International Law | 100 | |
| 6.2.6. | Paper xiii | (a) Research paper and Presentation
(b) Human Rights (Private Students) | 100 | |

M.Phil

- | | | | |
|----|--|---------|----------|
| 1. | Pol. Sc. - 101
Advance Research Methodology | 03 C.H. | 1st Trem |
| 2. | Pol. Sc. - 102
Computer Literacy | 03 C.H. | |
| 3. | Pol. Sc. - 103
Contemporary Political Theories | 03 C.H. | |
| 4. | Pol. Sc. - 104
Public Policy | 03 C.H. | |
| 5. | Pol. Sc. - 105
Foreign Policy of Pakistan | 03 C.H. | |
| 6. | Pol. Sc. - 106
International Economic Relations | 03 C.H. | |

- | | | | | |
|----|--|---------|--|--|
| 7. | Pol. Sc. - 107
Politics, State & Society, Dialectics in Pakistan issue - oriented | 03 C.H. | | |
| 8. | Pol. Sc. - 108
Foreign Policy of Major super Powers (U.S.A, China & Russia) | 03 C.H. | | |

06 credit Hours for Thesis writing

Total 30 C.H.

Ph. D

- | | | | | |
|----|---|---------|----------|---------------------|
| 1. | Pol. Sc. - 201
Strategies of good Governance in Pakistan | 03 C.H. | 1st Trem | 2nd Trem
03 C.H. |
| 2. | Pol. Sc. - 202 | 03 C.H. | | |

7. Eligibility Criteria for Admission

FORM.A

- 7.1.1 Graduation With Political Science.
- 7.1.2 Written test and interview to be qualified with 50% marks.

For M.Phil:

- 7.2.1 Post graduation with at least second division
- 7.2.2 NTS (General) test with at least 50% marks.

For Ph.D:

- 7.3.1 M.Phil in Political Science
- 7.3.2 NTS (Subjective) test withat least 50% marks

DEPARTMENT OF SOCIAL WORK

1. Introduction

- 1.1. Balochistan as a developing region of Pakistan has to solve not only problems of poverty, ignorance, disease and unemployment which have existed for ages, but also to deal with the problems which are arising out of modernization, urbanization, development and as a result of changing pattern of society. Professionally trained Social Workers in this respect have a significant role in accelerating and humanizing the processes of development especially in Balochistan.
- 1.2. 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. The Department of Social Work since then has been conducting two year full-time professional education at training and leading programmes to M.A. in Social Work.
- 1.3. The Department of Social Work is a full member of the International Association of Schools of Social Work. (IASSW)

Vision

Social Work Department envisions a society where there is peace, progress and prosperity and a mechanism of mutual help is in place among the masses.

Mission

To improve understanding of students through imparting quality education and research, while enhancing knowledge, skill and attitude pertaining to humankind, their social relationship, the problems they are confronted with and the challenge to future.

2. Objectives

- 2.1. Professional Social Worker will possess sufficient knowledge and understanding of the major social problems, socio-economic conditions and characteristics of Pakistan, particularly of Balochistan.
- 2.2. They will have an adequate competence in Social Work practice and will be able to work in a range of settings, rural and urban, government or voluntary.
- 2.3. Workers can participate effectively and play leading role in social welfare policy and planning at various levels.
- 2.4. To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- 2.5. To provide qualified and focused professionals in the subject of Social work to meet the future needs of educational institutes or industry.
- 2.6. To conduct researches to meet the needs of industry and research organizations.

3. Vocational Job Opportunities/Marketing of Graduates

Graduates will have opportunities in the following area:-

- 3.1. Professional Social Workers will be able to practice, plan, organize, administer social welfare and will be able to undertake research in variety of GOs and NGOs social welfare settings.
- 3.2. They are able to interpret Social Work as a profession, and who have dynamic and helpful attitude in problem solving and can take initiating appropriate social action and service. The opportunities are open on the following fields.
- 3.3. Medical and Psychiatric Social Welfare Settings.
- 3.4. Rural Community Development Projects.

- 3.5. Urban Community Development Projects.
- 3.6. Family and Child Welfare Centers.
- 3.7. Women Welfare Centers.
- 3.8. Population Welfare Department.
- 3.9. Drug Abuse Prevention, Treatment and Rehabilitation Centers.
- 3.10. Labour Welfare and Industrial Development Departments.
- 3.11. Welfare Centers for aged.
- 3.12. Educational Institutions.
- 3.13. Special Education programs.
- 3.14. Social Welfare planning & policy development.

4. Faculty

S.No.	Name	Designation	Qualification	Field of Specialization
1	Mrs. Tahira Naudhani	Assistant Professor / Chairperson	M.Phil	Rural Women Welfare
2	Dr. Monica Qamar Zaman	Assistant Professor	Ph.D	Medical & Psychiatric
3	Mr. Abdul Rahim Changezi	Assistant Professor	M.Phil	Rural Development
4	Mrs. Sadia Barrech	Assistant Professor	M.Phil	Female Child Welfare
5	Mr. Mumtaz Ali Baloch	Assistant Professor	Ph.D	Community Development
6	Ms. Huma Zafar	Assistant Professor	M.Phil	Research / Urban Welfare
7	Mr. Muhammad Nasir	Lecturer	M.Phil (Scholar)	Research / Drug abuse
8	Mr. Muhammad Yousuf Barrech	Lecturer	M.Phil (Scholar)	HRD / Child Welfare

5. Programs of Study

- 5.1. The Department offers M.A. program of studies. The M.A in Social Work is a two years degree program based on taught courses, Field Work training and research thesis project.

6. Description of courses for M.A. in Social Work

- 6.1. All courses in M.A. (Previous & Final) are compulsory. The total marks are 1150 and breakdown of courses is as under.

6.1.1. M.A. (Previous)

Paper Title	Marks
Contemporary Social Work	100
Human Growth & Personality Development	100
Social Work Methods & Fields of Practice	100
Community Organization and Development	100
Social Research & Statistics	100
English Functional	50
Field Work-I	100

6.1.2. M.A. (Final)

Paper Title

Social Policy, Welfare Planning and Administration	100
Sociology of Society and Social problems-II	100
Human Resource Development and Management	100
Research Thesis	100
Field Work-II	100

7. Eligibility Criteria for Admission

- 7.1. Passed B.A. with Social Work or Sociology.
- 7.2. Passed B.A. at most two years prior to the year of admission. A relaxation can be considered if seats are left vacant.
- 7.3. Not passed the B.A. in supplementary examination of same year as admission year

8. Facilities

- 8.1. **Departmental Library.** The Department of Social Work has its own Library which was established with a view to serve the educational and research needs of the students, faculty and professionals. The Library contains a valuable collection of 2000 books, journals, documents and periodicals.
- 8.2. **Internet Facility.** The internet facility is available in all the offices the teachers, and main Library. A large number of International Research Journals are also available on Digital Library provided by the Higher Education Commission and research article of internet can also be down loaded.

DEPARTMENT OF SOCIOLOGY

1. Introduction

- 1.1. Sociology is known as the mother of interdisciplinary studies. Sociology throughout the world promotes a well established management structure to effectively handle, analyze, cure and prescribe the issues while case the social failure and it promotes, develops coordinates and implements societal initiatives and programs. A sociologist has the primary and basic aim to build up knowledge about society and its related issues.
- 1.2. The department of sociology was established in 1973 and the first annual examination was held in 1975. Mr. Javed Iqbal Syed the Ex. Vice chancellor of Allama Iqbal Open University, Islamabad was the first Chairman of the Department. Sociology addresses almost all facts of society. Keeping in view the importance of sociology and needs of the society the department keeps on reviewing its syllabi from time to time.

2. Objectives

- 2.1. Develop the understanding on the social problems of the society.
- 2.2. Educate on the general laws of the society.
- 2.3. Inculcate habit of research and innovation for reforming society.

3. Vocational Job opportunities / Marketability of Graduates

- 3.1. Law
- 3.2. Education
- 3.3. Family planning
- 3.4. Social work
- 3.5. Social welfare programs
- 3.6. Labor welfare
- 3.7. Community development
- 3.8. Public Administration.

4. Faculty

S.No.	Name	Designation	Qualification
1	Mr. Abdul Rehman	Chairperson	M.A
2	Mr. Mohammad Alam	Assistant Professor	M.A/M.Phil
3	Mrs. Faiza Safdar	Assistant Professor	M.A/M.Phil
4	Mrs. Navida Iram	Lecturer	M.A/M.Phil
5	Mr. Mohammad Hanif	Lecturer	M.A/M.Phil (Registered)
6	Mr. Shakeel Ahmed	Lecturer	M.A/M.Phil (Registered)
7	Mr. Mohammad Rahim	Lecturer	M.A/M.Phil (Registered)
8	Mr. Zahoor Ahmed	Lecturer	M.A/M.Phil (Registered)
9	Mr. Mohammad Zakir	Lecturer	M.A/M.Phil (Registered)

5. Programs of Study

- 5.1. Two year masters program is offered.

6. Description of Courses

	M.A. (Previous)	Marks
6.1.	Principles Of Sociology	(100)
6.2.	Sociological Theory	(100)
6.3.	Research Methodology	(100)
6.4.	Social Statistics	(100)
6.5.	Social Psychology	(100)
6.6.	Functional English	(50)
	M.A. (Final)	
6.7.	Social Anthropology	(100)
6.8.	Population	(100)
6.9.	Criminology	(100)
6.10.	Sociology Of Family	(100)
6.11.	Sociology Of Education	(100)
6.12 .	Research Theses And Viva Vice	(100)

7. Eligibility Criteria for Admission

- 7.1. Bachelors degree with subject of sociology
- 7.2. Qualify the Entry Test and Interview

8. Facilities

- 8.1. Departmental Library
- 8.2. Digital Library
- 8.3. Computer Lab With Internet Facility

9. Future growth

- 9.1. Expansions in the department by introducing new and modern fields of sociology, Entrepreneurship and functional English to meet with the requirement of the modern era.

PAKISTAN STUDY CENTRE

1. Introduction

- 1.1. Pakistan Study Centre, University of Balochistan, initially started functioning in 1974. It was in 1976 when the Centre was formally established under Pakistan Study Center, Act No. XXVII of 1976 by the Government of Pakistan in the premises of the University of Balochistan, for the study of languages, literature social structure customs, attitudes and to motivate the people of various region of Pakistan towards Nation building . At present it functioning as an active academic unit of the university of Balochistan. It is producing M.A, M.Phil and Ph.D in Pakistan Studies. The faculty members from the university and from the constituent collages take admission in M.Phil and Ph.D Courses.

2. Objectives

- 2.1 To Promote National solidarity, Integration and unity in accordance with the Ideology of Pakistan among the people of different regions, to study languages, literature, culture, customs and history of the different regions of the country.
- 2.2 High level of teaching and research activities.
- 2.3 To establish M.A, M.Phil & Ph.D in Pakistan Studies.
- 2.4 To arrange Conferences, Seminars, Symposium and workshops for the development of teaching and Research.
- 2.5. To promote teaching and research in particular subjects as assigned to it by the Federal Government in consultation with the University in which the Centre is established.
- 2.6. It is an immense pleasure for me to inform that the Academic Council of the University of Balochistan in its meeting held on 26th-27th Dec, 2013 approved the establishment of the two chairs. 1. Khan Abdul Samad Khan Achakzai Shaheed & 2. Nawab Yousaf Aziz Mugsli, for their outstanding social, political and intellectual status at provincial and national level. The Academic Council approved the establishment of these chairs to pay tribute to the legendries of the nation.

3. Vocational Job Opportunities/ Marketability of Graduates

- 3.1. The students who qualify in Pakistan Studies can find job opportunities in the following departments/ organizations.
 - 3.1.1. Teaching
 - 3.1.2. Competitive Exams
 - 3.1.3. Public Relation Officer
 - 3.1.4. Pakistan Tourism Department
 - 3.1.5. Inter Organizational Coordinator
 - 3.1.6. International Organizations as Representatives of Pakistan
 - 3.1.7. Organizational Development in Pakistan.

4. Programs of Study

- 4.1. Pakistan Study Center provides 3 different program of studies leading to M.A., M.Phil and Ph.D. degrees.
- 4.2. The M.A. Course consists of a two years degree program based on taught courses.
- 4.3. The M.A. Self Finance (Evening Program) consists of a two years degree program based on taught courses.
- 4.4. A Student seeking admission in M.Phil/Ph.D. has to complete the requisite number of credit hour for course work as laid down in the Higher Education Commission regulations for the said degrees.
- 4.5. A Research dissertation based on original research work will also be submitted. The minimum duration for M.Phil is two years and for Ph.D. three years.

5. Courses offered in M.A Pakistan Studies.

- 5.1. Following are the major courses taught in MA (Previous & Final). First four courses in M.A. (Previous) are compulsory, while the fifth course languages are an optional one. The students have to choose one language course other than their mother language out of the languages Balochi, Brahui, Pashto & Urdu. In M.A. Final all the five courses are compulsory.

Paper	M.A (Previous)	Paper	M.A (Final)
1	History of Freedom Movement	7	Muslim Rule in Balochistan
2	Islam in South Asia with special reference to Pakistan	8	Economy of Pakistan
3	Social System of Pakistan	9	Foreign Policy of Pakistan
4	Geography of Pakistan	10	The Political System of Pakistan
5	Balochi, Brahui, Pashto & Urdu	11	Research Methodology
6	Functional English	12	Research Paper & Presentation

6. Courses Offered in M.Phil & Ph.D.

- 6.1 The students of M.Phil are required to complete and pass satisfactorily four courses from PS-1 to PS-VI and PS-II are compulsory, where two courses can be opted from PS-III to PS-VI in accordance with their Master level subject. While the Ph.D students are advised to pass PS-II & one advance course pertaining to their Ph.D topics. The outline of this advance course will be prepared by the candidate, and will be related to the topic of his Ph.D dissertation. The candidate will also give seminar on this advance course.

PAPER	COURSE TITLE FOR M.PHIL
	<u>First Semester</u>
PS-601	Research Methodology
PS-602	Philosophy and political thought of Allama Iqbal & Quaid-e-Azam
PS-603	Geography of Pakistan
PS-604	Political System of Pakistan
	One (1) Article to be published in HEC recognized Journal

	<u>Second Semester</u>
PS. 605	Society & Culture in Pakistan (Compulsory course)
PS. 606	Philosophical & Political Studies of Khan Abdul Samad Khan Achakzai Shaheed & Nawab Mir Yousuf Aziz Magsi. (Compulsory course)
PS. 607	Economy of Pakistan
PS. 608	Media in Pakistan
	One (1) Article to be published in HEC recognized Journal
	<u>Third Semester</u>
PS. 609	Synopsis Writing
PS. 610	Data Collection.
PS. 611	Data Analysis
	<u>Fourth Semester</u>
PS. 612	Publications or paper writing
PS. 613	Thesis writing
PS. 614	Presentation / Viva Voce

PAPER	COURSE TITLE FOR Ph.D.
	<u>First Semester</u>
PS-701	Advance Research Methodology (Compulsory course)
PS-702	Socio, Economic & Political System of Pakistan (Compulsory course)
PS-703	Theories & Principles of International Relations (Optional course)
PS-704	The Basic Concept of Sociology (Optional course)
PS-705	Community Organization (optional course)
PS-706	Contemporary Mass Media in Pakistan (optional course)
	<u>Second Semester</u>
PS-707	Development of Major Languages in Balochistan (Compulsory course)
PS-708	Modern International Law (optional course)
PS-709	World Affairs since 1945 (optional course)
PS-710	Sociology of Society and Social Institution (optional course)
PS-711	Criminology (optional course)
PS-712	Social Case Work (optional course)
PS-713	Social policy, Welfare planning and Administration (optional course)
PS-714	Literary Journalism in Balochistan (optional course)
PS-715	Government press Relations and Constitution Development in Pakistan (Opt)

7. Facilities

Following facilities are available in Pakistan Study Center.

- 7.1. Library (Books 1500)
- 7.2. Class Room for MA classes
- 7.3. Class Room for M.Phil & Ph.D. Students.
- 7.4. Computer facility
- 7.5. Telephone Facility
- 7.6. Internet Facility
- 7.7. Intercom to all the faculty members
- 7.8. Common room for girl's students.

8. Faculty

S.#	Name	Designation	Qualification
1.	Dr. Muhammad Usman Tobawal	Director	Ph.D.
2.	Mr. Noor Ahmed	Assistant Professor	M.Phil
3.	Mr. Yousaf Ali Rodeni	Assistant Professor	M.Phil.
4.	Ms. Surya Bano	Assistant Professor	M.Phil
5.	Ms. Shazia Jaffar	Lecturer	M.Phil
6.	Mr. Nazir Ahmed Kasi	Lecturer	M.A.
7.	Ms. Sharaf Bibi	Lecturer	M.A.
8.	Mr. Bijar Khan	Research Officer	MPA
9.	Mr. Pervaiz Ahmed	Research Officer	M.Phil

- 8.1. Among the faculty members, beside the Director, the Centre has Seven (7) permanent Teachers, three of them Teaching different languages Balochi, Brahvi & Pashto, other four teaching subjects of M.A. Pakistan Studies and two Research Officer concerned with the teaching and research activities of the Centre. Among the other teaching staff there are nine (9) Part Time Teachers of the University of Balochistan who are teaching the courses of M.A. (Previous/Final) and M.Phil/ Ph.D.

9. Admission Requirement for M.A.

- 9.1 Passed B.A. with Pakistan Studies.
- 9.2 Passed the B.A. Almost two years prior to the years of admission.
- 9.3 Not passed the B.A. in the supplementary examination of same year as admission year.



Faculty of *Literature & Languages*

Department of Balochi

Department of Brahui

English Language Center

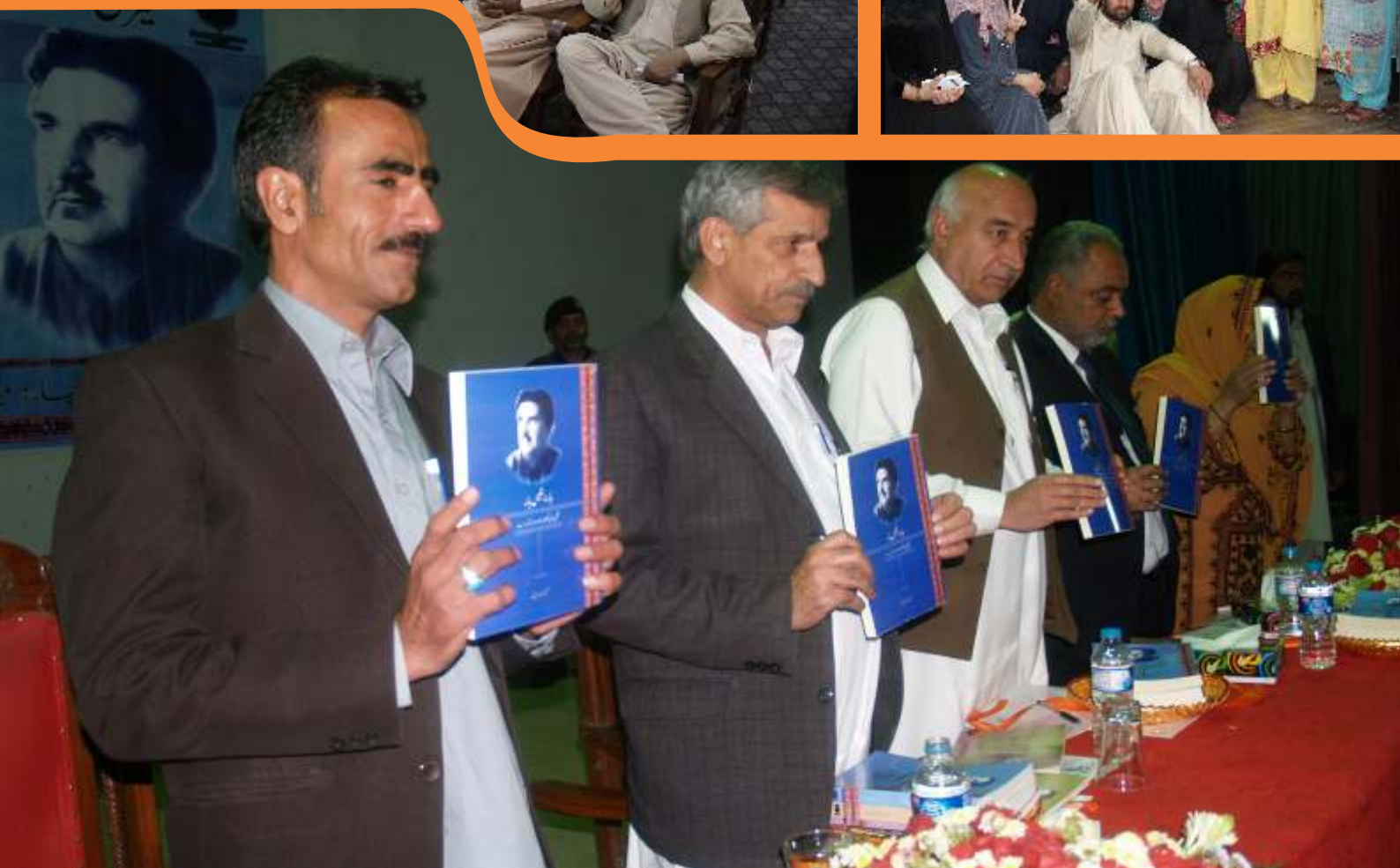
Department of English Literature

Department of Pashto

Department of Persian

Department of Urdu





DEPARTMENT OF BALOCHI

Introduction:

The Balochi Language is over five thousand years old and considered one of the Old Iranian languages. The Balochi language has been described as belonging to the Northwestern group of the Iranian languages, which means that it shares certain sound changes with Kurdish and Parthian and New Persian.

With regard to phonological matters the Balochi language stands out from all other modern Iranian languages through the systematic preservation of old Iranian consonants. The Balochi language is of particular importance for the study of the history of Iranian languages since it directly reflects the old Iranian consonants in all positions of the word.

The Balochi language is spoken in south Western Pakistan, South Eastern Iran, South Afghanistan, the Gulf States and Turkmenistan. There are also communities of Baloch in east Africa and as well as in several countries of the West, e.g. the Great Britain and the USA.

- ❖ Teaching of the Balochi language was started as a subject in the Pakistan study center in 1985, and promoted as a department in 1992. Mir Aqil Khan Mengal was the first chairperson.
- ❖ The strength of the students is 108, whereas, the students of final year are 36 and the students of previous year are 72. Apart from this 7 scholars of M.Phil and 3 scholars of PhD have also been enrolled.
- ❖ Students from different departments come to carry out researches with the cooperation of the teachers of Balochi Department and take fruitful benefits from them.
- ❖ National and International research scholars also consult the department of Balochi for their works simultaneously.
- ❖ The department cooperates for making the Provincial and Federal Public Service Commission syllabuses of the Balochi language.
- ❖ The Department of Balochi has granted degree to thousands of students of the Balochi language and literature from its establishment till now and these students are serving in different departments and stations

THE RESEARCH JOURNAL HANKEN

The issuance of the Annual Research Journal Hanken from the Department of Balochi, Faculty of Languages and Literature is one of the biggest achievements in the history of the Department of the Balochi. The first issue of the Annual Research Journal Hanken was published in cooperation with the Higher Education Commission Islamabad, Pakistan. The research Journal basically focuses the Baloch, Balochi and Balochistan. It provides opportunities to the Scholars to enhance their Research capabilities in the concerned fields. The advisory board of the Research Journal consists of national and international scholars who always give fruitful advices concerning to the journal.

The next issue of the Journal Hanken is en-route to be published soon. This journal is the fruitful result of the hard working teachers of the department.

GUL KHAN NASEER CHAIR

Throughout the World, different Universities have established chairs to study all aspects of the life, works of their renowned personalities. In this regard, the Department of Balochi has established a Chair entitled as : Mir Gul Khan Naseer Chair". The purpose of this Chair is to promote his thought, preserve his literary, journalistic and historical works and conduct Seminars on his works.

BALOCHI DIPLOMA AND CERTIFICATE COURSES

The Balochi Diploma and certificate courses have been commenced last year at the University of Karachi in co-operation and collaboration with the Sindhi Chair. The Department of Balochi has provided a teacher for the said courses. The Singhi Chair is in contact with the Department of Balochi to make any type of progress regarding the Diploma and Certificate courses.

SĀLHĀL (Annual News Letter)

Sālḥāl is an annual news letter which is published from the department of Balochi. The news letter covers the reports of Seminars, Open lectures, Workshops and Conferences conducted by the Department. The first issue has been published and next issue is ready to be published soon.

OBJECTIVES

- ❖ To provide qualified teachers in the Balochi literature to meet national/international needs.
- ❖ To teach ancient Balochi folklore, poetry, literature through research.
- ❖ To foster a conducive environment which promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity?

VOCATIONAL JOB OPPORTUNITIES / MARKETABILITY OF GRADUATES

- ❖ Education/ Research
- ❖ Electronic and Print Media.
- ❖ Interpreter/ Translator in Public / Private sector.
- ❖ Archeology and history in lok versa.
- ❖ Cultural institutes.

FACULTY

S.No.	Name	Designation	Qualification	Specialization
1	Mr. Rahim Bakhsh	Chairperson	M.Phil	Literature, Culture & Language
2	Dr. Zeenat Sana Baloch	Professor	Ph.D	Literature, Culture & Language
3	Dr. Abdul Saboor	Asst. Professor	Ph.D	Literature, Culture & Language
4	Ms. Nasreen Gul	Lecturer	M.A	Literature, Culture & Language
5	Mr. Abdul Razzaq Dad	Lecturer	M.A	Literature, Culture & Language
6	Mr. Hamid Ali Baloch	Lecturer	M.A	Literature, Culture & Language
7	Mr. Muhammad Rafiq	Lecturer	M.A	Literature, Culture & Language

PROGRAMS OF STUDY

- ❖ M.A Two Years.
- ❖ Ph.D & M.Phil.

DESCRIPTION OF COURSES

- ❖ **M.A Balochi (Previous)**
 - History of Balochi Language/ Linguistic.
 - Classical Poetry.
 - Old Prose.
 - History and Culture.
 - Functional English.

- ❖ **M.A Balochi (Final) Six Papers**

- Modern Poetry.
- Modern Prose.
- Study of Mir Gul Khan Naseer
- Criticism
- Research Paper (only for Regular Students) Dastan for Private Candidate
-

FACILITIES

- Departmental Library
- Books & Research Journals 1300.
- Computer Lab.
-

FUTURE PLANNING

- ❖ Diploma and Certificate Courses would be starting to promote the Balochi language and make a lingual interaction with the people of other languages.
- ❖ To preserve thousand years old Baloch Culture.
- ❖ To conduct seminars and conferences on the different topics of the Balochi language and literature including international conferences on the said topics.
- ❖ Media and communication play a great role in the modern age of information technology. For the promotion of the Balochi language an FM Radio is to be established.
- ❖ The Balochi chair in the Peshawar University had been approved by the Ex-Vice Chancellor University of Balochistan, Quetta, Dr Abdul Saboor Baloch have already visited the University of Peshawar for the said purpose, but the Balochi Chair is still to be functioned. Our main mission is that the Balochi Chair of the University of Peshawar to be functional as soon as possible.
- ❖ Expansion of the department to lessen the difficulties of teachers and students.
- ❖ To affiliate the department with the Universities where Balochi is taught, and to identify the Balochi language in the international Universities.

DEPARTMENT OF BRAHUI

1. Introduction

- 1.1. Brahui language has special significance, because it is not only spoken in a major part of Balochistan but also in Sindh. Besides it is also spoken in the Eastern Parts of Iran, as well as in Afghanistan, Central Asia and Gulf. Brahui Language is also the custodian of Brahui folklore in its un-adulterated form.
- 1.2. Brahui is one of the oldest language of the world. Mehr Garh and Mohan Jo Darho, are the oldest civilizations where Brahui was probably spoken before the arrival Aryan of the subcontinent.
- 1.3. In early days of 1985, The Brahui as a “subject” was taught in Pakistan Study. It was separated as a full-fledged Department in the year of 1992.

2. Objectives

- 2.1. To produce post-graduate professionals in Brahui literature, culture and language, capable of functioning at National/International levels.
- 2.2. To revive ancient Brahui folklore, poetry & literature through teaching and research
- 2.3. To foster conducive academic environment allowing research and intellectual freedom.
- 2.4. To assist Organization, Institutions, Government departments for devising and implementing Mother-tongue based education system for Brahui speakers.

3. Vocational Job Opportunities / Marketability of Graduates

- 3.1. Education/ research institutes in Public/ Private Institutions,
- 3.2. Electronic and Print Media.
- 3.3. Interpreter/ Translator in Public offices.
- 3.4. Archeology and History in lok versa
- 3.5. Literarily/ Cultural institutions

4. Faculty

S.No.	Name	Designation	Qualification	Specialization
1	Mr. Shabir Ahmed Shahwani	Chairperson	M.Phil	Modern Brahui Poetry
2	Mr. Abdul Haleem Sadiq	Assistant Professor	M.A	Literature and Culture
3	Dr. Liaquat Ali Sani	Asstt. Prof. (TTS)	Ph.D	Linguistics & Modern Brahui Poetry
4	Mrs. Abida Sami	Lecturer	M.Phil	Compression of the old and New Pros.
5	Mr. Manzoor Baloch	Lecturer	M.A	Literature, Culture & History
6	Mr. Yousuf Mengal	Lecturer	M.A	Folk Literature

5. Programs of Study

- 5.1. M.A for two years Degree program
- 5.2. M.Phil Course work) Four Semester degree program
- 5.3. Ph.D (Course work) Six Semester degree program

6. Description of Courses

6.1	M.A. Brahui (Previous) Five Papers	Marks
	i Linguistics/Brahui Languages	100
	ii Classical Poetry	100
	iii Classical Prose	100
	iv History and Culture	100
	v Functional English	50
6.2	M.A Brahui (Final) Five Papers	Marks
	i Modern Poetry	100

ii	Modern Prose	100
iii	Study of Taj Mohammad Tajal (Tajilyat)	100
iv	Criticism	100
v.	a. Research Paper (for Regular Candidates) b. Mazmoon Nigari (for private candidates)	100
vi	Essay writing & Viva voce	50+50=100

7. Description of courses M.Phil/Ph.D.

7.1 M.Phil Brahui (30 chrs)

i.	Brahui Patt o Pol, Rudom o Ehmiyat	(1st Semester 4(3-1))
ii.	Brahui Saoti Nizam o Likvarh	(1st Semester 4(3-1))
iii.	Brahui Mansoor Adab	(2nd Semester 4(3-1))
iv.	Adab, Dod, Raj	(2nd Semester 4(3-1))
v.	Elective Courses	(3rd Semester) 6 chrs)
vi.	Fall load	4(3-1) chrs
vii.	Dissertation writing	(6 chrs)

7.2 Ph.D Brahui (38 chrs)

i.	Research Methalogy	(1st Semester 3(2-1))
ii.	Adabi Vael o Savab o Esarik	(1st Semester 3(2-1))
iii.	Brahui Maozoati Adab	(1st Semester 3(2-1))
iv.	Brahui Nasri Takhlik Rodum o Bina	(2nd Semester 3(2-1))
v.	Brahui Mazmoom Adab	(2nd Semester 3(2-1))
vi.	Adabi Vael o Takhliki Fun	(2nd Semester 3(2-1))
vii.	Desertation writing	(20 chrs)

8. Eligibility Criteria for Admission

- 8.1. B.A/B.Sc Passed
- 8.2. M.A Passed for M.Phil Program.
- 8.3. M.Phil for Ph.D Program.

9. Achievements of the Departments.

- 9.1. The Brahui Department was established in 1992. The Brahui Department has produced more then One Thousand post Graduates working in various Organization such has Pakistan Television, Radio Pakistan, Mass Media, Education, NGOs, National and International Organizations.
- 9.2. In consensus with the various Brahui literary forums and research organizations, the department of Brahui made a historic move by establishing a **Brahui Language Board(BLB)** in November 29, 2008 to address the various issues such as finalizing the Brahui script etc.
- 9.3. A number of Students/Researchers were facilitated by Brahui Department such as Moreyamma and Prof. Shabia from Tokyo.
- 9.4. The research work was initiated in Mid Nineties; the following table gives the information regarding Ph.D and M.Phil produced by the Department.

Status / Degree	No
Awarded (Ph.D)	01
Awarded (M.Phil)	02
Enrolled in Ph.D	08
Enrolled in M.Phil	48

10. Facilities

- 10.1. Well established seminar library consist of 2500 books, covering the all subjects and related material taught in the department.
- 10.2. Student counseling facility to explore the hidden potential of the students and guiding them towards their field of interests within the department.
- 10.3. Research facility for students and the NGOs/various organizations working nationally or internationally for the exploration of Brahui heritage.

11. Semester Cell

Semester Cell has been established for M.Phil and Ph.D programs. All matters regarding M.Phil & Ph.D program like, registration, examination and others would be followed through semester cell of Brahui Department.

12. Al-Burz (Annual Research Journal)

The first ever research journal based on research made by the teachers and students of the brahui department is going to be published very soon. The journal is named after a historic mountain Albourz which is located in Iran. The publication of this journal will surely be one step ahead for the development of brahui language.

13. Brahui Language Board (BLB)

The formation of Brahui Language Board is one of the great achievements of the department. It has been formed to tackle the following issues.

- a. To re-design the Brahui script / orthography.
- b. To standardize the most famous / frequently used dialect.
- c. To introduce new terminology. design Brahui dictionary and publication of Balochistanica.
- d. To seek consensus for adaptation of the Roman script as the re-designated / new Brahui script, keeping in view that it is comprehensive and more adoptable. This will enable the Brahui speakers to more acquaint with the new technologies such as computers and mathematical digits.
- e. To design the languages / certificate courses for new learners.
- f. To develop consensus for teaching of Brahui from primary level and to design curriculum for such purpose.
- g. To establish Model Schools for Mother Tongue (based) Education (MTE).

14. Dr. Abdul Rehman Brahui Chair

The department of Brahui has moved the case to establish “Dr. Abdul Rehman Brahui Chair” in 2016. The worthy Vice Chancellor has announced to establish Dr. Abdul Rehman Brahui Chair in Brahui department and this address on 9th December 2015. The Objective & Background of Dr. Abdul Rehman Brahui are as under.

Background

Balochistan University is the oldest and biggest university of the province, from the day of its establishment till today it has got its unique identity. Millions of students and teachers have got their degrees from the university and are serving in different fields of life. At the same time thousands of students are attached with the university and are moving towards their destinations. The establishment of above mentioned chairs is an evidence of the personal interests of current Vice Chancellor of Balochistan University. In the same Faculty of Languages and Literature, The Brahui Department also wants to establish “**Dr Abdul Rehman Brahui Chair**”. So that we may give a lot of appreciations to our Living Legend in his life and we may make his research, translations and creations much more lucrative for the people of Balochistan.

Objectives

To establish “Dr Abdul Rehman Brahui Chair” has got following objectives.

1. Dr Abdul Rehman Brahui’s personality and research works have made him too much important in all over Balochistan. He is one and only the personality who has done two (2) Ph.Ds. on different topics. It is the reason why Balochistan and Brahui Department is proud to him.
2. Dr Abdul Rehman Brahui is the only researcher who is the author of maximum books in Balochistan. On following topics his more than 80 books have been published and more than 20 books are the process to be published.
3. Research on Brahui Language and Linguistics.
4. Research on Islam and the life of Companions of Holy Prophet (P.B.U.H).
5. Translation.
6. Creations.
7. Dictionary Writing.
8. Research on the topics of Law and Constitution.

At the same time Steps are needed to be taken to convert more than 150 manuscripts of Dr Abdul Rehman Brahui into Books and protect them. Dr. Abdul Rehman Brahui has got more than 10,000 books in his personal library; special steps are required to be taken for their protection and to make them accessible and lucrative for the students and researchers. Dr Abdul Rehman Brahui’s personality is much more important in Brahui Literature, currently the Researchers in Brahui Department, Balochistan Studies Center and other department of University of Balochistan are directly or indirectly are the students of Dr Abdul Rehman Brahui. It will be an award for the University of Balochistan to establish “Dr Abdul Rehman Brahui Chair” in Brahui Department. Establishment of this chair will not only facilitate the Brahui Department but also the researchers of Balochi, Pashto, Urdu, Persian, English and Islamic Studies can take benefits of this chair.

ENGLISH LANGUAGE CENTER

1. Introduction

- 1.1. The English Language Center, University of Balochistan was established in 1981. Some Eminent educationists like Dr. Robert Baumgardner, Ms. Audrey Kennedy and Miss Salma Majid Jaffar were its Pioneers. It offers English for Scientific literacy course to M.Sc. student of Science Faculty and functional English course to MA students of Arts Faculty. These courses are offered during the previous year of their Masters Programme. Additionally, the English Language course to the students BS programme running on semester basis.
- 1.2. The Completion of course of English Language at English language Center is valuable and marketed in terms of improving and improvising communication skills and to equip to better understanding and apprehension of tasks. It builds confidence not only to speak eloquently but also to have strong command for presentations and Publication.

2. Objectives

- 2.1. To provide the facility of self access learning of English Language.
- 2.2. To offer English for Scientific literacy (EScL) to the departments of the Science faculty and Functional English Course (FEL) to the departments of Arts Faculty.
- 2.3. To offer training workshops and courses to English Language Teachers.
- 2.4. To offer English Language Proficiency Certificate Courses to all subject teachers of the University of Balochistan.
- 2.5. To offer standard preparatory classes of TOEIC, TOEFL, IELTS and GRE.
- 2.6. To offer Research oriented subjects to M.Phil. Scholars in the field of Applied Linguistics.

3. Faculty

S.No.	Name	Designation	Qualification	Field of Interest
1	Mr. Naeem Nasir	Director	M.A in English M.Phil (Applied Linguistics) Scholar	ELT, TOEFL, IELTS, GRE, Teacher Training
3	Mr. Saeed Ahmed Lehri	Lecturer	M.A M.Phil Scholar	ELT, Linguistics, Phonetics and Phonology (HEC Certified Master Trainer)
4	Mr. Zahid Hussain Pathan	Lecturer	M.Phil in Applied Linguistics (Malaysia)	Research Methodology, Second Language Acquisition (SLA), Pragmatics, Discourse Analysis Methods of English Language Teaching (MEL)
5	Mr. Muhammad Zeeshan	Lecturer	M.Phil in TESOL (USA)	Research Methodology, curriculum Design, Teaching Methods, Pedagogical Grammar & Applied Linguistics

S.No.	Name	Designation	Qualification	Field of Interest
6	Dr. Feroze Qaiser Kasi (on Leave)	Lecturer	Ph.D	ELT, ESP, EAP, Action Research, Research Writing & Composition TESOL (TEST & TEFL)
7	Mr. Muhammad Asif (on study Leave)	Lecturer	M.Phil	ELT
8	Mr. Imran Bhatti (on study Leave)	Lecturer	M.A, M.Phil	Listening Skills, Grammar, Speaking Skills.

4. Programs of Study

4.1. Morning program

- 4.2. Functional English Language Program (one academic year) for MA/MSc (new previous) students University of Balochistan.
- 4.3. M.Phil. in English (Applied Linguistics) - 2 year program.

5. Facilities

- 5.1. The department has setup **work shop studio** with Audio /Visual facility, a *Multimedia system, and Overhead Projector* and *High speed internet connectivity*. Faculty members teaching the courses have been instructed to make full use of it. In addition to modern approaches to Language Teaching, Faculty members are encouraged to come up with innovative personal ways of teaching and developing a distinct class room environment, where the one-way lecture method is discouraged. Traditional learning is blended with co-curricular activities at the Center. These activities ensure that our students broaden there views and expend their horizons. In this regard English Language Center organizes seminars, lectures and workshops on diverse topics
- 5.2. **Self access center** equipped with the latest computer systems, and it provides easy access to the internet and the HEC's online journals and e-books and most importantly it provides and opportunity for e language learning. .
- 5.3. **Reference Library** English Language Center has a rich collection of books on English language. New books on linguistics, English Language Teaching etc are added to our shelves every year. Some selected research Journals are also available in the library.
- 5.4. **Teachers Training** The Center is committed to pursuing academic excellence in course work and research activities. We also train faculty members to polish there communication skills in teaching. a teacher training program has thus been introduced for colleges and universities of Balochistan.

DEPARTMENT OF ENGLISH LITERATURE

1. Introduction

- 1.1. The department of English Literature is one of the oldest departments of the University of Balochistan. It is committed to moving with the times, constantly updating courses and technical methods in line with the latest advances in the field. It offers courses for those interested in literature and creative writing. Our faculty demonstrate a wide breath of expertise across many literary periods (Medieval, Renaissance, Restoration, Romantic, Victorian and modern).

2. Objectives

- 2.1 To facilitate students in concept building through close reading of the text.
- 2.2 To enhance creative ability of students.
- 2.3 To acquaint students with established classical as well as modern writers.
- 2.4 To develop critical spirit in the students.
- 2.5. To foster an environment that promotes learning through quality teaching and research while encouraging mutual respect and tolerance.
- 2.6. To foster an environment in which students would be encouraged to develop their personality and unfold their potentialities.
- 2.7. To inculcate mutual respect and tolerance.
- 2.8. To focus on the moral improvement of the students.

3. Job Opportunities

- 3.1. Educational institutions. Colleges/Universities
- 3.2. Provincial/Federal Public Service.
- 3.3. Interpreters/Translators in Public/Private sectors, media, etc.

4. Faculty

S.No.	Name	Designation	Qualification	Area of Interest
1	Ms. Munawara Rehman	Assistant Professor	M.A	Classical Poetry & Prose
2	Ms. Faria Saeed Khan	Professor	Ph.D	Drama and Literary Criticism
3	Mr. Naseem Achakzai	Professor	Ph.D	Criticism, Romantic Poetry & Novel
4	Mr. Najia Zaidi	Professor	Ph.D	Drama & Novel
5	Ms. Saima Manzoor	Lecturer	Ph.D	Novel & Romantic Poetry
6	Mr. Ghulam Rasool	Lecturer	M.A	Drama & Romantic Poetry
7	Ms. Rafia Bukhari	Lecturer	M.A	Drama & Criticism
8	Ms. Shahida Sher M.	Lecturer	M.A	Classical Poetry & Prose

5. Programs of Study

5.1. M.A. Two Years.

6. Description of Courses for M.A.

There are nine courses including research paper with presentation. In order to apply for M.A. degree a candidate must qualify all the papers. The total marks are 850.

6.1. M.A. Previous

Paper Title.	<u>Marks.</u>
Background of English Literature	100
Classical Poetry	100
Drama	100
Novel	100
Functional English	50

6.2. M.A. Final

Paper Title	Marks
Romantic Poetry	100
Prose	100
Literary Criticism	100
Research Paper and Presentation(for regular students.).	100
Essay on literary topic. (for Private students).	

7. Eligibility Criteria for Admission

B.A. with 50% marks in English Compulsory. OR.
The candidates must have passed BA. with English Literature as an elective subject.
The candidates must qualify the Entry Test conducted by the department.

8. Facilities

- 8.1. **Departmental Library:** The departmental Library has 2000 books on English Literature for teaching and research purposes. In addition, the students can gain access to the Central Library where there is a large collection of books on English Literature and language.
- 8.2. **Internet Facility:** The internet facility is available in the department and the Central Library. A large number of research journals and articles are available on internet and the Digital Library provided by the Higher Education Commission.

DEPARTMENT OF PASHTO

1. Introduction

1.1. After 1970 when the ever first University of Balochistan was established in Quetta. Then various subjects were introduced in this university. But with the passage time it was realized that for the promotion and development of Pakistani languages, Languages Faculty may also be establish. In this connection in 1974 Allam, Adid and Fazal Certificate program for Pashto, Baluchi and Brahvi Languages were started at Pakistan Study Centre, University of Balochistan. After that in 1978 the above mentioned languages were allowed to start Master Program. But in 1992 these were seperated from Pak Study Centre.

A prominent Pashto scholar Professor Wali Mohammad Khan Syal Kakar and Professor Syed Abid Shah Abid were the ever first founder faculty members.

Professor Syal Kakar was its ever first chairperson up to 4th December, 1998. While Prof. Nazar Mohammad Panezai rendered his services as chairperson up to 1st November, 2006. It may also be noted that during his tenure he has started M.Phil/PhD Research program.

While in 2009 under the chairmanship of Professor Dr. Nasrullah Jan Wazir an HEC recognized Bi-Annual Pashto Research Journal under the title of "TAKATOO" was launch.

While in 2009 up till now the department has produced Four PhDs and Five M.Phil scholars. While Four PhDs and Twenty Nine M.Phil scholars are also enrolled.

2. Objectives

- 2.1. To provide qualified and focused professionals in Pashto Literature to meet the future needs of educational institutes or industry.
- 2.2. To foster a conducive environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- 2.3. To prepare researchers to meet the needs within country and abroad, research organizations and social sectors.

3. Vocational Job Opportunities / Marketability of Graduates

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

4. Faculty

S.No.	Name	Designation	Qualification
1	Prof. Dr. Nasrullah Jan Wazir	Associate Professor / Chairperson	Ph.D
2	Dr. Naseebullah Seemab	Associate Professor	Ph.D
3	Dr. Faizullah Panezai	Assistant Professor	Ph.D
4	Dr. Javed Iqbal	Assistant Professor	Ph.D
5	Mr. Abdul Rehman Kakar	Lecturer	M.A
6	Mr. Barkat Shah Kakar	Lecturer	M.A

5. Programs of Study

M.A, M.Phil / PhD 2 Years degree course

6. Description of Courses for M.A

6.1. M.A Previous

<u>Papers Title</u>	<u>Marks</u>
History of Pashto Language & Literature	100
Ancient Poetry	100
Ancient Prose	100
History & Culture	100
Functional English (compulsory)	50 (100)

6.2. M.A Final

<u>Papers Title</u>	<u>Marks</u>
Modern Poetry	100
Modern Prose	100
Critical Literature	100
Study of Khushal Khan (for private students)	100
Research (For Regular)	100
Essay Writing	50
Viva Voce	50

7. Eligibility Criteria for Admission

B.A with or without Pashto

8 .Facilities

- 8.1. Departmental Library
- 8.2. Books & Research journals 1300
- 8.3. Computer Lab
- 8.4. Digital Library

DEPARTMENT OF PERSIAN

1. Introduction

The University of Balochistan, Quetta is the oldest Educational Institution of higher learning of the Province entrusted with the responsibilities to educate and train the potentially talented human resource and manpower to meet the emerging needs of the industry and society. It plays a vital role in development of Pakistan in general and Balochistan in particular. The Province of Balochistan is passing through a process of rapid socio-economic development which 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.

2. Persian Department

Persian language as one of the most celebrated , sweet and renowned languages of the world with a rich literature and a remarkably influencing literary history, has played an important role in the history as the language of communication between the civilizations , leaving a precious and priceless heritage for the coming eras and generations. This language , once expanding over a vast area stretching from the north of China to the bank of the Nile and from the west of Asia to the ultimate end of Sub-continent, spent a glorious time of sovereignty the fruit of which was the emergence of thousands of eminent scholars , poets , prose writers historians, and scientists.

- 2.1. In Sub-continent, personalities like : Ameer Khosrow , Bedil, Ghalib, Allama Iqbal and many more is manifest proof that this language and literature was a poetic, literary, scientific, and cultural asset of the region giving it a prominent position.
- 2.2. Balochistan situated in the crossroad of Central Asia, Afghanistan on the North , Iran on the West , and India on the East, comprising a variety of tribes and sects with the Persian Language as their mother tongue, possesses an outstanding position in the region.
- 2.3. Considering all the facts mentioned above , University of Balochistan took the unforgettable step of establishing the Persian Department which was officially inaugurated in July 1992.

3. Objectives

- 3.1. To enable the dialogue amongst different societies and cultures.
- 3.2. To preserve the historical and literary assets and heritage of Persian in Balochistan.
- 3.3. To provide qualified and focused professionals in the subject of Persian Literature to meet the future needs of the society nationally and internationally. To provide an environment that promotes learning through quality.
- 3.4. To prepare researchers in order to meet the needs of research organizations in various fields of industry, science and Technology.

4. Vocational Job Opportunities / Marketability of Graduates

- 4.1. Educational and Research Institutes at Colleges/ Universities etc.
- 4.2. Radio and Television Networks.
- 4.3. Translators and Interpreters.

5. Faculty

S.No.	Name	Designation	Qualification
1	Dr. Bilal Ahmad	Assistant Professor / Chairperson	Ph.D University of Tehran (IRAN)
2	Dr. M. Ali Shah	Assistant Professor	Ph.D University of Tehran (IRAN)
3	Dr. Syed Rohullah Naqvi	Assistant Professor	Ph.D Ferdousi University (Mashhad)
4	Mr. Abdul Hassan Hazara	Lecturer	M.A University of Balochistan

6. Programs of Study

- 6.1. Master's Degree in Persian Language & Literature
- 6.2. The Department of Persian extended Admission facilities to M.Phil/Ph.D level since 1997. Five M.Phil Scholars are enrolled in the Department on various research program.

6. Courses Description

- 6.1. Persian Department offers a tow-year Master's Degree Course in Persian Language& Literature.
- 6.2. In **M.A previous** the students will be directed to cover the following subjects:
 - 6.2.1. Classical Prose
 - 6.2.2. Classical Poetry
 - 6.2.3. Tassawof (Mysticism)
 - 6.2.4. Modern Persian Literature
 - 6.2.5. Iqbaliyat
 - 6.2.6. Functional English
- 6.3. In **M.A Final** the students will have a thorough study of the following subjects:
 - 6.3.1. History of Persian Literature in Sub-continent
 - 6.3.2. History of Persian Literature in Iran
 - 6.3.3. Spoken Persian
 - 6.3.4. Grammar and Balaghat
 - 6.3.5. Linguistics (The History of Persian Language)
 - 6.3.6. Research Paper (For Regular Students)/
 - 6.3.7. Study of Mowlana Rumi (For Private students)

7. Eligibility Criteria for Admission

- 7.1. B.A/B.Sc

DEPARTMENT OF URDU LITERATURE

1. Introduction

- 1.1. Urdu Language is now becoming an international Languages, 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 into Urdu. Surprisingly enough, most of the Urdu literary contribution non-a-days are translated in different languages like English, German, Russian, French, Chinese & Japanese.
- 1.2. Urdu Department has the unique honor to be the first department to start research oriented work up to M. Phil and Ph. D level in the University.
- 1.3 Prof: Mujtaba Hussain, an eminent Critic, Scholar and Educationist established Department of Urdu in 1973. Many renowned Educationists, Writers, Scholars, Poets and Play Writers of Balochistan were groomed and nurtured in the Urdu department.

2. Objectives

- 2.1. To provide qualified and focused professionals in the subject of Urdu literature to meet the future needs of educational institutes and society.
- 2.2. To explore old and new horizons of Urdu literature pertaining to prose, poetry and criticism. To foster and environment that promotes learning through quality teaching and research while encouraging mutual respect, tolerance and sensitivity.
- 2.3. To guide the students of M.Phil & Ph.D in-depth and promote research of Urdu and Literature for ascertaining multi faceted values of different areas.

3. Vocational Job Opportunities / Marketability of Graduates

- 3.1. Educational Institutions Colleges/ Universities
- 3.2. Interpreters
- 3.3. Electronic and Print Media
- 3.4 Advertising Agencies
- 3.5 Provincials Federal Civil Services
- 3.6 Ngo's

4. Faculty

S.No.	Name	Designation	Qualification	Field of Specialization
1	Dr. Khalid Mahmood Khattak	Chairperson	M.Phil Ph.D	Balochistan main Urdu Shahir-o-adab
2	Mrs. Shagufta Rahim	Lecturer	M.A Urdu	Urdu Shahiry Classiki ahd Main
3	Mrs. Afshan Qazi	Lecturer	M.A Urdu	Afsanvi adab
4	Ms. Tanzila Naz	Lecturer	M.A Urdu	Urdu Nasar Negari
5	Ms. Gul Ghuti	Lecturer	M.A Urdu	Kalseeke Shahiry

5. Programs of Study

- 5.1. M.A: 2 Years degree course.
5.2. M. Phil 02 Years Degree Course.
02 Semester Course work.
06 Core Courses + 02 Elective Courses + Thesis
30 Credit Hours.
- 5.3. Ph. D 02 Years Degree Course.
02 Semester Course Work.
04 Core Courses 02 Elective Courses + Thesis
24 Credit Hours

6. Description of Courses For M.A

6.1. M.A Previous

Papers Title

6.1.1.	Tareekh Zaban-o-Adab Urdu (History of Urdu Language & Literature)	100
6.1.2.	Afsanvi Adab (Fiction)	100
6.1.3.	Asaleeb-e-Nasar-e-Urdu (Prose)	100
6.1.4.	Urdu Shahiry Classiki Ahd Main (Classical Urdu Poetry)	100
6.1.5.	Mir or Ghalib Ka Khasosi Mutalia (Mir & Ghalib Critical Study)	100
6.1.6.	Functional English	50

6.2. M.A Final

Papers Title

6.2.1.	Tanqeed Nigari (Criticism)	100
6.2.2.	Balochistan main Urdu Shair-o-Adab ki Riwayat (Urdu literature in Balochistna)	100
6.2.3.	Urdu Shair-o-Adab Beswi Sadi Main (Urdu Literature in 20th Century)	100
6.2.4.	Iqbal ka Khasosi Mutala (Iqbal)	100
6.2.5.	Theqeeq or Amali Izhar (for regular students) (Criticism)	70+30=100
6.2.6.	Mazmoon Negari (for private candidates) (Essay Writing)	100

Total Marks 1050

7. Eligibility Criteria for Admission

M.A

- 7.1. B.A/B.Sc/B.com
7.2. Entry Test with at least 45% marks.

M.Phil

- 7.3. Ma Urdu 50% Marks.
7.4. Quality Entry Test with atleast 50% marks.
7.5. Description of Course work for M.Phil.

8. Facilities

- 8.1. **Departmental Library.** The Departmental Library is managed by a Lecturer of Urdu Department and has over 1500 books covering a wide range of Urdu language and literature or Tehkeeq. The Library also has a vast collection of prestigious journals.
- 8.2. Multimedia and Overhead projector aids are used in the class rooms, seminars and conferences to facilitate the students learning experience.