

## UNIVERSITY OFFICIALS

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## DEANS OF FACULTIES

Prof. Dr. Abuzar Wajidi Faculty of Management & Administrative Sciences
Prof. Dr. Zafar Iqbal Faculty of Arts
Prof. Dr. Darakhshan J. Haleem Dean Faculty of Science
Prof. Dr. Ghazala H. Rizwani Faculty of Pharmacy
Prof. Dr. Hisamuddin Mansoori Faculty of Islamic Studies
Prof. Dr. S. M. Abbas Faculty of Medicine
Prof. Khursheed A. Hashmi Faculty of Law
Prof. Dr. Darakhshan J. Haleem – Dean Faculty of Science (Caretaker) Faculty of Engineering
Prof. Dr. Zafar Iqbal – Dean Faculty of Arts (Caretaker) Faculty of Education

## STUDENTS' AFFAIRS

To look after students affairs, in general, and to supervise their extra-curricular activities in particular, an office of Advisor Students' Affairs is situated at the first floor of the Administration block. Teachers and the staff are available for the students' guidance.

In order to help passing out students in securing jobs and solve their practical problems, an office of Students Guidance, Counseling and Placement Bureau is also functioning at the first floor of a building facing Masjid-e-Ibrahim. The Bureau also conducts preparatory classes, every year, for those who wish to appear in the CSS examinations or to develop proficiency in the English language.

## FACILITIES

Facilities for the students include the following,

**F**ee Concession and Scholarship: In spite of financial constraints, the University offers a number of scholarships and concessions in fee to deserving students. The students are granted fee concessions on the basis of their academic performance in the first semester. Award of scholarship on the basis of merit-cum-need is decided by the competent authority of the University.

In order to facilitate the meritorious and needy students by providing financial support for their studies leading to BS and Masters at the University of Karachi, *Students Financial Aid Office (SFAO)* has been established at room no. 2, Ground Floor, Administration Block.

A limited number of various scholarships and fellowships, sponsored by different national and international agencies are regularly announced from this office which is displayed on the notice boards of the respective departments. All interested candidates are encouraged to apply so that their need can be determined in order to provide financial support.

**Libraries:** Each department and institute at the campus has its own seminar library that contains books related to the subjects taught in the department. The main library "Dr. Mahmud Husain Library" is situated near administration block that provides facility to consult thousands of books, journals and

M.Phil./Ph.D theses to students of various departments of the University. LEJ Digital Library is also available at the campus that can be used by all the students to access a large number of books or journals on-line.

**Transport:** Over 24,000 students come to the campus from different parts of the city on daily basis. It is difficult to facilitate every student with the transport facility. However, the University tries its best to provide a limited transport facility to its students. Schedule of point buses that provide pick and drop service to the students, at highly subsidized fare, is announced by the transport office in the beginning of each semester.

## DISCIPLINE COMMITTEE

**A** discipline committee has been constituted to maintain law and order situation within the campus and to ensure a proper academic environment. The Committee takes notice of the cases of infringement of law and order and undesirable activities at the campus, and takes disciplinary action against the offenders. The Vice-Chancellor chairs this Committee while the Advisor Students' Affairs is its member secretary. The Committee meets several times a year to review the prevailing law and order situation and other related matters and take appropriate decisions.

## ACCOMMODATION

**H**ostel facility for boys is provided to the foreign students only. Whereas limited number of rooms are available for foreign and Pakistani female students in the girls' hostel. However, only those female students who have come from other cities of Pakistan are facilitated with accommodation within the campus.

## CO-CURRICULAR ACTIVITIES

**T**he University organizes different programs to promote participation of its students in co-curricular activities. The schedule is announced by the office of the Students' Advisor. Sports facilities like grounds for Hockey, Cricket and Football, courts for Squash, Badminton, Tennis and Basket ball are also available at the campus.

## TEACHING & RESEARCH

The University offers Academic Programs in BS, BA/BSc/B.Com/BBA/ BPA/B.E./B.L.I.S. (Honors), Pharm-D (Pharmacy), , MS, M.A., M.Sc., M.L.I.S., MPA, M.Com., MBA, M.Pharm., Ph.D., D.Sc. and D.Litt. Besides, Certificate and Diploma Courses are also offered in various departments.

## SYSTEM OF STUDIES

- The University follows the semester system. One academic year consists of two semesters (details are mentioned in the Academic Calendar).

- In the faculties of *Arts, Science, and Islamic Studies*, a student of BS 4 year has to complete a total of 126 credit hours during 8 semesters, whereas, a student of Masters has to complete a total of 15 credit hours during one semester. However, in the *Faculty of Pharmacy*, the student has to complete a total of 200 credit hours in all semesters during 5 years of Pharm-D. Whereas, in the *faculty of Management and Administrative Sciences*, the student will have to complete a total of 138 courses during 4 years of BS program.

- A student admitted to Masters program after B.A(Pass), B.Sc(Pass) or B.Com(Pass) will have to complete 60 credit hours for M.A., M.Sc., MPA or MBA programs.

- Students who after completing their B.A/B.Sc/B.Com (Hons.) program seek admission to Masters Program will also be required to successfully complete 60 credit hours.

- Every student taking admission in the University has to be conversant with the University rules and regulations and abide by them. Rules governing attendance and promotion are of special importance.

1. There is a minimum attendance requirement of 75% to appear in the terminal examination of any subject/course. *Please see 'Semester Examination Rules' for details; booklet is available at the University Bookshop.*

2. A student will not be promoted to the next/ higher class unless he/she clears 80% of the courses. Admissions to masters program will

not be granted unless the student successfully completes the bachelors program. This rule is being strictly followed as per decision of the University's Academic Council.

## DURATION OF COURSES

- The duration of courses in the University is four years for BS, 3 years for B.A/ B.Sc/ B.Com/ BBA/BPA (Honors), five years for Pharm-D (Pharmacy) and two years for MA/MSc.

- A student, who has completed the course of BLIS can complete MLIS in one year from the Department of Library and Information Sciences.

## BS 4 years (8 semesters)/B.Sc/B.A / B.Com/ BPA/ BBA (H) 3 years (6 semesters) PROGRAM

The four years Bachelor of Studies (BS) program is equivalent to the old Masters degree. A student of BS, B.Sc/B.A/B.Com/BPA/BBA (Hons) will have to take two subsidiary subjects besides a major subject and eight compulsory subjects in the faculties of Arts, Islamic Studies, & Science, and 9 compulsory subjects in the faculty of Management & Administrative Sciences.

### Faculties of Arts / Islamic Studies:

- 1.Basic Mathematics
- 2.Computer Applications
- 3.English (First & Second years)
- 4.Everyday Sciences
- 5.Islamic Studies or Ethics (for Non-Muslims only)
- 6.Pakistan Studies
- 7.Urdu (Mother Tongue) / Urdu (Non-Mother Tongue) Sindhi / Bengali /
- Natural Science (for Arts students) / Humanities (For Science students)

### Faculties of Science/Engineering

- 1.Communication Skills
- 2.Computer Applications
- 3.English
- 4.Functional Mathematics (2 Courses) (for the students of Biological Sciences) or Functional Biology (2 Courses) (for students of Physical Sciences)
- 5.Islamic Studies or Ethics (for Non-Muslims only)
- 6.Pakistan Studies
- 7.Statistics / Economics / Management
- 8.Urdu (Mother Tongue) / Urdu (Non-Mother Tongue) / Sindhi.

**Faculty of Management & Administrative Sciences:**

1. English
2. Environmental Sciences
3. Islamic Studies or Ethics (for Non-Muslims only)
4. Urdu (Mother Tongue) / Urdu (Non-Mother Tongue) / Sindhi
5. Pakistan Studies
6. Functional Biology
7. Business English
8. Community Development
9. Research Project

**Major Subjects**

The list of Major Subjects for BS & Honors students is given in **Appendices A& B**. Information about individual departments are available in this booklet and also on Karachi University website.

**Subsidiary Subjects**

The subsidiary subjects can be selected as per details given in **Appendices C & D**. This is given for the guidance of the students only. The final selection of subsidiary subjects shall be made in consultation and with permission of the Chairperson of the concerned department. As the number of seats in various departments is limited, it is possible that a student may not be able to take the subsidiary subject of their choice. The allocation of seats for subsidiary subjects is made by the Dean of the Faculty and the Chairperson of the concerned Department on the basis of merit. Subsidiary subjects must be selected from combinations listed in **Appendix C & D**.

**ELIGIBILITY FOR ADMISSION TO BS& Honors Program**

The number of merit seats in different departments and conditions of eligibility are mentioned in **Appendices A& B**. Those subjects, the study of which is a pre-requisite for admission to different departments have also been identified. Preference will be given to those candidates who had selected same subject in Intermediate / H.S.C. for which they have applied for admission, except for those departments where clarification in this regard has been given in column of eligibility. However, in case of subjects such as International Relations, Social Work, Philosophy, Biotechnology, Genetics, Mass Communication, Physiology, Public Administration which are not taught at intermediate level, other

alternative subjects have been mentioned in the relevant column.

**MASTERS PROGRAM****ELIGIBILITY FOR ADMISSION TO MASTERS (PREVIOUS)**

The number of merit seats in different departments and conditions of eligibility are mentioned in **Appendices E & F**. The subjects whose study is a pre-requisite for admission to different departments have also been identified. For admissions in Masters Class, preference will be given to those candidates who had opted for the same subjects in B.A., B.Sc., or B.Com. However, in case of subjects which are not taught at graduate level (such as International Relations, Social Work, Philosophy, Mass Communication, Genetics, Physiology, Biotechnology, Public Administration) other alternative subjects have been mentioned in the relevant column.

**MS/Ph.D PROGRAMS**

Admissions to MS /Ph.D programs are announced separately by the Board of Advanced Studies & research (BASR).

**LANGUAGE CERTIFICATE & DIPLOMA COURSES**

Bearing in mind the importance of foreign languages in terms of educational, cultural and professional development, students of Karachi University are encouraged to learn other languages in addition to the languages they already know. The Faculty of Arts offers Diploma courses in Arabic, Sindhi, Urdu, Italian and Persian, and certificate courses in Arabic, Bengali, Hindi, Persian, Sindhi, Spanish, Turkish and Urdu. Only those students can take admission in a diploma course that holds a certificate in that language. First and Second Year students are not eligible to take admission in these programs. However, Japanese, Italian and French can be taken as minor subjects by BS, B.A/B.Sc (H) First Year students.

**Instructions for Foreign Students**

Subject to eligibility, foreign students are admitted to this University on nomination from the Ministry of Foreign Affairs and Ministry of Education, Pakistan. After admission, foreign students are required to complete a certificate course in Urdu Language (for

foreign students) offered by the Department of Urdu, University of Karachi.

## ADMISSION POLICY

As per approval by the Academic Council, admissions to BS/B.Sc/B.A (Honors) and Masters Programs in Karachi University are granted according to merit under categories K, S and P. However, certain seats are reserved for Balochistan, Interior Sindh, FATA, Azad Jammu & Kashmir and Northern Areas, Armed Forces, and Children of Karachi University Teachers and Employees, disabled Persons and Sports. Merit is the only criterion for reserved seats, as well.

### Note:

1. *Subjected to eligibility, admissions on reserved seats for FATA, Northern Areas and Azad Jammu & Kashmir are granted through nominations from Kashmir Affairs & Northern Areas Division, Government of Pakistan, Islamabad.*
2. *Similarly, Admissions on reserved seats for the Armed forces are granted through nominations from the General Head Quarters.*

## Admissions on Merit Seats

Since the number of applicants for the BS /B.Sc/B.A (Hons.)&Masters Programs is much higher than the number of available seats, as per the University rules, the applicants have been divided into three categories i.e. **K**, **S**, and **P**.

1. Category “**K**” refers to those applicants who have passed their Secondary School Certificate (SSC), Higher Secondary Certificate (HSC) or equivalent, and graduation degree from educational institutions situated in Karachi and also recognized or affiliated by the University of Karachi.

Five percent (5%) seats have been reserved for applicants who have completed their graduation from other degree awarding institutions situated in Karachi and recognized by the University of Karachi.

2. Category “**S**” refers to those applicants who have passed at least one of the certificates (SSC or HSC) or degree examinations from a recognized

educational institution in the Province of Sindh (excluding Karachi).

3. Category “**P**” refers to those applicants who have passed at least one of the certificates (SSC or HSC) or degree examinations from a recognized educational institution outside the Province of Sindh or Pakistan.

Preference in admissions is given to “**K**” category candidates. In case seats are left vacant, “**S**” category candidates are considered. If seats are still available then consideration is given to “**P**” category candidates.

*As per directives of the Academic Council, 30 seats have been allocated for the students of Interior Sindh, besides “S” Category, in those subjects which are not offered in the Public Sector Universities of Interior Sindh. However, such students should have the domicile of Interior Sindh and they must have acquired the entire education from that area.*

*Keeping in view the prevailing situation of Balochistan, 20 seats have been allocated for the deserving students of this province. However, conditions applicable on the students of Interior Sindh will be followed here as well.*

**Admissions in the University are given strictly as per the above mentioned criteria of categories**

## Change of Category

Candidates who fulfill the following conditions can apply for change of category from **S** or **P** to **K**.

1. Those students whose father or mother is domiciled in Karachi, but they have passed the pre-requisite examination from abroad that were conducted by any registered International Institution or any Pakistani Board or University, will have to produce their father’s or mother’s domicile certificate and copy of CNIC showing their permanent address in Karachi.
2. Students whose parents are employees of the Federal or Sindh Government, Autonomous or Semi-autonomous bodies, Government Corporations, or Armed Forces and have been posted in or transferred to Karachi during last 3 (for BS, B.A/B.Sc (Hons.) program) or 5 years (for Masters program) will have to produce the appointment letter or transfer letter of their father/mother together with their application.

Such candidates must have completed their further education after the date of transfer or posting of their father / mother from educational institutes located in Karachi.

3. 3% seats in each department will be allocated for those candidates who have passed their pre-requisite examination from a recognized educational institution located outside Karachi but they have their initial education including Matric and Intermediate from Karachi. Such candidates should have Karachi P.R.C. and their parents should have Domicile and CNIC showing their permanent address in Karachi. Candidates below the age of 18 years are required to submit photocopy of their 'B'-Form.
4. A candidate who comes under 'S' or 'P' category but she / he has got married to a permanent resident of Karachi should submit a copy of the '*Nikah-nama*' along with the Domicile and CNIC of her / his spouse showing his / her permanent address in Karachi.

#### Application for change of category

All such applicants who fulfill any of the criteria for change of category to 'K' described above, should attach, with their forms, an application on plain paper for change of category together with the required documents mentioned above. At the time of admission, they will have to produce the original and photo-copies of all the documents.

#### Admissions on Reserved Seats

Some seats have been reserved for dependants of Karachi University Employees, Sports, Disabled persons, Armed Forces Personnel and residents of Balochistan, FATA, Azad Jammu and Kashmir and Northern Areas (Appendix-M). Candidates for admission to these seats should ensure that they meet the criterion of eligibility for the University as well as the concerned department.

Admissions on seats reserved for FATA, Azad Jammu & Kashmir and Northern Areas are only given after nominations through the Kashmir Affairs & Northern Areas Division, Government of Pakistan. Similarly, admissions on seats reserved for Armed Forces Personnel are given only after nominations through GHQ.

The merit list for these seats is prepared for different departments on the basis of recommendations by the Committee concerned. It may be mentioned that certain departments have limited the number of

students to be admitted on reserved seats because of the unusually large number of applicants.

#### Conditions for Eligibility

Following are the conditions for eligibility whether applying on merit or reserved seats:

- For admission in the Faculties of Science, Arts Islamic Studies or Engineering, the candidate should have obtained a minimum of 45 percent marks in the pre-requisite examination (Grace / Condonation marks will not be counted).
- For admission in the Faculty of Pharmacy the candidate should have obtained a minimum of 60 per cent marks.
- **A student placed in 3rd division or obtaining less than 45 per cent marks in the pre-requisite examination is not eligible for admission in the University.**
- A candidate who has already obtained a BS or Masters degree is not eligible for re-admission or fresh admission in any BS or Masters Program. If any such case is noticed, the student's admission will be cancelled and legal action can be initiated against him/her. However, students who have done their masters in Urdu or English can apply for admission to M.A. *Urdu (Linguistics)* or M.A. *English (Linguistics)*, respectively, through the Chairperson of the concerned department on forms available at designated Bank branches. Similarly, students who have completed M.A Final English Linguistics can do second masters in English Literature. These candidates will have to comply with the general rules for admission.
- Only those candidates can apply for admission who have passed the pre-requisite examination with in last five years.
- 3% seats in each department have been allocated on merit for candidates who have passed the pre-requisite examinations more than 5 years ago.
- Those students of BS (Hons.) who have successfully completed their two years of studies at the University of Karachi may apply in any other department for admission to Masters Program with an application for degree conversion through the chairperson. 5% seats in each department will be allocated for such candidates. These students will not have to wait

for one year after completion of two years BS Honors.

- Five percent of the total seats of each department have been reserved for students who already have passed their three years Honours program in any subject but did not pass the Masters examination and now wish to enroll themselves for BS or Masters Program in any other subject. Such candidates shall be eligible for admissions previous class in the Masters Program, provided that they qualify other conditions for admission.
- Candidates desirous of taking admission on the basis of degrees/ certificates awarded by public sector institutions in Pakistan should get the equivalence of their degrees/ certificates determined by the University Equivalence Committee or IBCC well before the scheduled date of admissions.
- **Inadvertent admission of candidates from non-recognized institutions can be cancelled at any time**

#### PROCEDURE OF ADMISSION

1. The date of opening of admissions, availability of forms, submission of forms and other details are announced on Karachi University website [www.uok.edu.pk](http://www.uok.edu.pk) and through advertisement in the newspapers.
2. An application form for admission on either open merit basis or aptitude test basis is available within this booklet and on the Karachi University website [www.uok.edu.pk](http://www.uok.edu.pk)
3. **Applicants** are directed to read carefully the directions in this booklet before filling in the form. They should attach a powder photocopy of the filled-in form together with the original. They are also directed to attach two powder photocopies of the mark sheet of the pre-requisite examination. They should attach 1<sup>st</sup> year and 2<sup>nd</sup> year mark sheets of HSC (for BS, B.A/B.Sc/B.Com/BBA/BPA (Hons.) or B.A/B.Sc/B.Com or equivalent examination (for BS Third Year or Masters). **It should be noted that mark sheets which do not give details of the marks awarded in both the years, but only give a consolidated total will not be accepted.**
4. Applicants are instructed to select departments strictly in accordance with eligibility criteria listed in **Appendices A & B** for BS (Hons.) and **Appendix E & F** for Masters. A maximum of 05 choices of departments can be given in order of preference. **The names of the departments should be mentioned very carefully since it is not possible to make any changes in the form once it is submitted.**
5. **Closing percentages for BS, B.A/B.Sc (Hons) and Masters Admissions 2011 are given in Appendices I & J, respectively. These percentages are only for guidance and not applicable to admissions for this year.**
6. **A candidate can apply for admission on open merit and test bases on separate forms but he/she is not allowed to submit more than one admission forms for the same type of admission. If any candidate submits more than one forms for admission either on open merit or aptitude test basis, all of his/her forms will be cancelled.**
7. A merit list will be prepared for every department after verification of the eligibility and mark sheets of the applicants, on the basis of criteria set down for that department.
8. The provisional list of successful candidates along with necessary instructions will be displayed at the camp office, University Silver Jubilee Gate (main University Road) and the Karachi University website on the dates given at the back of the application forms.
9. If any candidate feels that his / her name has not been included in the merit list even though he/she has secured merit marks and satisfies the other conditions of eligibility for admission to any department he/she has applied for, such candidates should obtain a Claim Form from the Camp office on payment of Rs.500/- (Rupees Five Hundred only) and submit it within the stipulated period. If the claim is found valid, due to error in processing by the admission committee, the cost of claim form will be refunded and admission will be granted to the candidate according to rules and regulations.
10. **University employees** who wish to get admission on the seats reserved for them will have to submit an affidavit on a form which is available in the office of the Admission Committee.
11. **Disabled persons** who wish to apply for seats reserved for them are required to submit a medical certificate giving details of their disability.
12. Students applying on **sports seats** should attach sport certificates and other supporting documents with

their application. Candidates are advised to read the **eligibility conditions for admissions on sports quota** that are available from the office of the Admission Committee. 2% quota in each department is reserved for sports.

13. The lists of admission for reserved seats will be prepared separately by the concerned committees.

***Instructions for candidates whose names appear in the Admission Merit List***

**Candidates whose names appear in the admission list will opt either for BS or Honors Program and will have to complete all formalities for admission within the stipulated time, otherwise their admission will lapse and no claim will be entertained.**

The following documents are to be submitted for completion of admission:

1. The original Marks sheet of the last examination i.e. H.S.C. or equivalent for BS (Hons.) and Graduation for Masters (non returnable).
  2. Character Certificate from the head of the institution last attended. For external candidates a character certificate from any gazetted officer (non returnable).
  3. Original and photocopy of the CNIC of the candidate or in case candidate is below 18 years original & photocopy of father's/ mother's CNIC. (The original will be returned after verification)
  4. The original certificate of S.S.C./H.S.C./ A/O Level and an attested copy of the same (The original documents will be returned).
  5. 10 recent photographs (2x1 1/2 inch).
  6. Affidavit by Oath Commissioner on Judicial paper (Sample is given in this booklet – Appendix- G).
  7. Payment of prescribed fee.
- **After completion of the above formalities, the candidate will have to fill in an**

**enrolment form that will be issued only on the production of original receipt of the Admission Form.** Under the University rules his/her admission will not be deemed complete until he/she receives his/her enrolment card.

- Students who have passed their last examination from Board, College or University out side Karachi have to submit a migration certificate from the respective institute in order to complete the enrolment formalities.
- It is to be pointed out that **all admissions are provisional subject to verification of documents. If any candidate secures admission on the basis of misinformation and/or fake documents, his/her admission can be cancelled at any time and the deposited fee shall not be returned. Suitable punitive action will also be taken** which can extend up to debar from any educational institution for three years.
- The candidate will have to fulfill the rules and criteria set down by the departments, which have been mentioned in **Appendices A-F** of this booklet.
- The admission Policy for Evening classes will be announced separately. Details are available in **Appendix – H.**
- All candidates for admission will have to, besides the directions given in this booklet, abide by the rules set down in the University Code. Likewise semester rules are applicable on all the students. Important semester rules are given in **Appendix-K.**

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## *Department of* **ARABIC**

### **Introduction**

**T**he Department of Arabic is enjoying the patronage of renowned scholars of international repute.

The cautiously chosen syllabus considering the demands of the student and the existing period is a confluence of ancient and modern Arabic Literature, Language and Linguistics. Besides academic activities, curricular and co-curricular activities are also stressed like extension lectures, debates, study tours, picnics and other functions to reveal, enhance and polish the abilities and talent of the students.

At present forty two (42) courses of Arabic Literature, Language and Linguistics are taught including computer and research methodology.

### **Degree/ Diploma/ Certificate Programs Available**

- BS & Honors
- Masters
- MS/Ph.D.
- Certificate Course (Arabic)
- Diploma in Quranic Arabic
- Diploma in Contemporary Arabic

### **Eligibility & Allocated Seats**

BS&Honors **50 seats**  
Intermediate or equivalent

MA **50 seats**  
i) Graduation or equivalent  
ii) B.A, B.Sc, B.Com or Equivalent with Certificate in Arabic from any recognized institution  
iii) Al-Shahadat Al-Aalia with matric from any SSC Board\*\*

\*\*These candidates are required to submit complete equivalence certificate issued by the University of Karachi along with their application forms.

### **Facilities**

The Department offers a conducive environment equipped with latest technology. It has a well-stocked Seminar Library containing books on almost all relevant subjects, a state-of-the-art Computer Lab with internet facility and modern audiovisual aids.

### **Teaching & Assessment**

Teaching combines lectures, extensive lectures and group discussions in the classroom. Student's performance is assessed by end-of-semester examination.

### **Career opportunities**

The degree in Arabic would prove to be a key of success opening the doors of diversified fields such as Teaching, Translation, (academic, diplomatic and commercial etc) and in electronic media as well.

### **Faculty Members**

#### **Professors**

Dr. Ehsan-ul-Haq, Chairman  
Dr. Muhammad Ishaq Mansoori

#### **Assistant Professors**

Ms. Fatema Zainab  
Mr. Asif Saleem

#### **Lecturers**

Mr. Muhammad Imran Latif  
Mr. Muhammad Abdul Hameed Nabeel

### **For Further Enquiry**

Telephone: 99261300-06Ext- 2273

Website: [www.uok.edu.pk/faculties/arabic](http://www.uok.edu.pk/faculties/arabic)

Email: [arabic@ku.edu.pk](mailto:arabic@ku.edu.pk)

## *Department of* **BENGALI**

### **Introduction**

Established in 1953, the department of Bengali at the University of Karachi offers a regular program of studies at Bachelors and Masters Levels. The program enables students to develop a meaningful understanding and appreciation of Bengali Literature and its history beginning from the medieval till modern era.

### **Degree Programs Available**

- BS & Honors
- Masters
- Bengali Certificate Course:

*Non-native students interested in learning how to read, write and speak Bengali at a basic level may opt for the one year certificate course that is offered during the afternoon hours.*

### **Eligibility**

BS & Honors: A Level / Intermediate/ DAE or equivalent

MA: Graduation degree in B.A. /B.Sc./ B.Com./ B.Sc. (Home Economics) /with Bengali

Certificate Course: At least Intermediate

### **Allocated Seats**

BS & Honors	20
Masters	20

### **Facilities**

There are about 2000 books on literature in the Seminar Library. Furthermore, some important publications are housed in it which are as follows:

1. Bengali Literary Review
2. ChaharDarvesh, KaviModhushuddan
3. KavvyParichay, selected poems of Ghulam Mustafa

### **Teaching and Assessment**

Teaching at the Bengali department is carried out mainly through lecture. Visiting speakers from other institutes are also invited from time to time. Students are required to give presentations on various topics as well as to submit assignments. The department hosts seminars at national and international level from time to time, in which distinguished speakers from Bangladesh read out their papers and speak on different aspects of Bengali literature. The last seminar organized by the department was on the

prominent Bengali scholar QaziNazrul Islam's contribution to Human Rights and Bengali Language.

### **Career Opportunities**

Students who graduate from this department are competent enough to enter the teaching profession for the subject of Bengali at primary as well as higher education level. Furthermore, opportunities of working in Bangladeshi banking sector, including *ArifHabibRupali Bank*, and in various government departments are available to them. They may also opt for research or work as translators and interpreters.

### **Faculty Members**

#### **Assistant Professor**

Dr. Muhammad Abu Tayyab Khan (In-charge)

### **For Further Enquiry**

Telephone: 92-21-99261300-6, Ext: 2319

Website: [www.uok.edu.pk](http://www.uok.edu.pk)

**Department of  
ECONOMICS**

**Introduction**

The department of Economics is one of the largest departments in the Faculty of Arts. It was established in 1950-51 with the enactment of the University of Karachi Act, at the old campus in the city, and was later shifted to its present location in 1960. Professor Newman Joseph Adams, an American national, was appointed the first Chairman, and served the department for a short period. Due to its academic stance the department of Economics has the distinction of being recognized as a premier department in the country.

It is because of these standards that the department was accorded with the honor of establishing a center of national capability in Economics by the name of “*Applied Economics Research Center*” through a grant by the Sindh Government.

**Facilities**

The seminar library has a good collection of books and periodicals related to Economics and Transport. In order to fill the gaps, an inter library loan facility has also been arranged and links are established with other major libraries in the city, including the main library and the research library of the AERC of the University of Karachi. The department has a well-equipped computer lab.

**Teaching and Assessment**

The teaching method at the department is a blend of theory and practice, as lectures, case studies, oral presentations, written reports and field visits are all given due importance. The concepts taught by faculty members are supplemented with their practical implications through eminent guest speakers from other financial institutions. To ensure that the students are assimilating the knowledge being imparted to them, frequent test ranging from 10 minute unannounced quizzes to three hours examinations and from oral presentations to written reports are conducted throughout the semester.

**Diploma / Degree Programs Available**

- BS & Honors (Evening & Morning)
- MA (Evening & Morning)
- MEF (Evening only)
- PGDEF (Evening only)
- MTM (Evening only)
- MS/Ph.D.

**Eligibility & Allocated Seats**

*BS & Honors\**:

‘A’ level/ H.S.C. (with Economics) / H.S.C. Science (with Physics, Mathematics or Statistics)

*MA\**:

B.A., B.Com, B.Sc. (with Economics) **100 seats**  
 B.Sc. (with Mathematics, Physics or Statistics) **75 seats**

\*In case of vacant seats, allocation of seats for Arts or Science can be interchanged on the basis of merit

MEF: Graduation **175 seats**  
 PGDEF: Graduation **75 seats**  
 MTM: Graduation **75 seats**

**Career Opportunities**

Students of the department enter a variety of fields, such as banking, C.S.S., research, teaching, business etc.

**Faculty Members**

**Professor**

Dr. Shafiq-ur-Rehman, Chairman

**Assistant Professors**

- Ms. Rubina Hassan
- Dr. S. Wiqar Hussain
- Dr. Khalid Mustafa
- Mr. S. Muhammad Ali
- Mr. M. Ahsan Uddin
- Mr. Mirza Muhammad Shehzad
- Dr. Abdul Waheed
- Ms. Roohi Ahmed (SL)
- Ms. Safia Qamar
- Ms. Rummana Zaheer
- Ms. Seema Siddiqui Hai

**Lecturers**

- Ms. Saba Masood
- Ms. Lubna Naz
- Mr. Zeeshan Ateeq

**For Further Enquiry**

Telephone: 92-21-99261300-6 Ext: 2270

Website: [www.uok.edu.pk](http://www.uok.edu.pk)

## *Department of* **EDUCATION**

### **Introduction**

**D**epartment of Education was established in 1984. The main goal of the department is to prepare human capital in the field of Education as teachers, educators, educational leaders and researchers. Innovative methods of teaching and learning, emerging techniques of research and material development in the field of Education have made this department parallel with that of the International standards.

### **Facilities**

The Department of Education has a seminar library containing latest books on almost all the disciplines of Education. Moreover, the library also contains extensive resource material for research at all levels of higher education. The department also offers hands on training on the latest equipments used in presenting research findings to the large audience.

### **Teaching and Assessment**

Varieties of teaching methods are used in the department for rendering different courses effectively. Faculty members arrange both inside and outside classroom activities in order to broaden the learning experiences of the students. Lectures, seminars, classroom quizzes and field-works are planned and conducted during the semesters. The department believes on both, the summative and formative assessment. Moreover, students are also asked to arrange and attend different seminars for their professional growth.

### **Programs offered**(Morning & Evening)

- B.S & Honors
- MA
- M.S.

### **Eligibility & Allocated Seats**

*B.S & Honors* **50 Seats**  
Intermediate Arts, Science, Commerce & Home Economics (Preference to be given with Education)  
DAE **02 Seats**

### **Preferred Subsidiaries:**

Students in Education of BS program should opt for Economics, Psychology, Sociology, International Relation, Islamic Learning, English, Social Work, Political Science, Mass communication or Languages.

### *Masters*

- B.A. with Education **45 Seats**
- B.A./B.Sc/B.Com./B.Sc(Home Economics) **15 Seats**
- B.Ed. **04 Seats**  
(Preference to be given with Education)

### **Co-Curricular Activities**

The importance of Co-curricular activities cannot be denied. The Department of Education conduct orientation day for welcoming new students. Moreover, students-week, welcome and farewell parties, students-teacher union luncheons, cake-day on 13<sup>th</sup> August, Teachers' day on 5<sup>th</sup> September and a picnic as per the provided schedule of Students Advisory Council.

### **Career Opportunities**

Education is an important discipline in Social Sciences and Humanities. Therefore, graduated students of Education have ample opportunities in the competitive job market. Research Industry, Media, Career Counseling, Schools, Teacher Training institutes, Human Resource Development centres, Professional institutes, UNICEF and UNESCO and NGO based organizations and school are the possible fields for the graduates of Education.

### **Faculty Members**

#### **Assistant Professors**

Ms. RizwanaMuneer (Incharge)  
Ms. SafiaUrooj

#### **Lecturers**

Mrs. Aziz-Un-Nisa  
Mr. Imtiaz Ahmad  
Mr. Muhammad Asim  
Ms. Naila Siddiqua  
Mr. Intizar Hussain

### **For Further Enquiry**

Telephone # 021-99261300-6 Ext.2267  
Website: [www.uok.edu.pk](http://www.uok.edu.pk)

## Department of ENGLISH

### Introduction

Professor Dr. Ahsan Farooqui was the first head of the department of English.

### Programs offered

#### Morning Program

- BS& Honors
- M.A (English Literature)
- M.A (English Linguistics)
- MS in English Literature
- MS in English Linguistics

#### Evening Program

- BA & Honors
- M.A (English Literature)
- M.A (English Linguistics)

### Eligibility & Allocated Seats

#### BS & Honors\*

**50 Seats**

- i. 'A' Level (with English Literature)
- ii. 'A' Level (with English General [A,B or C grade])
- iii. Intermediate (after 'O' Level)
- iv. Intermediate (with at least 50% marks in Elective English)
- v. Intermediate (with at least 50% marks in Advance English)
- vi. Intermediate (with at least 60% marks in English Compulsory)

#### Masters\*

**40 Seats**

- i. Graduation (with at least 45% marks in Elective English)
- ii. Graduation (with at least 55% marks in Compulsory English)

\* Admissions will be given according to the above order of priority.

#### M.A. (Final) English Literature:

M.A. (2<sup>nd</sup> Div.) in English Linguistics

#### M.A. (Final) English Linguistics:

M.A. (2<sup>nd</sup> division) in English Literature

### Facilities

**[a] The English Seminar Library:** This is situated in the department and houses a large variety of books on English and American fiction, poetry, drama, essays, and history etc. Books on linguistics, English language teaching and applied linguistics are also available. There are two cupboards of books on long loan from the Dr. Mahmud Hussain Library, which have been specially selected with the prescribed courses in mind. All students of English Department

must apply for the membership of this seminar library. The Dr. Kalim-ur-Rehman Reference Library is situated within the seminar library. It contains over two thousand books, and is a useful resource for research.

### **[b] Dr. Kalim-ur-Rehman Audio-Visual Room:**

Research students can use computers and internet provided here. Relevant literary films and televised English plays are also shown. We hope to develop a multimedia self resource centre here in near future.

### Career Opportunities

Students of the department of English have entered a variety of vocational fields. Some of these fields are: CSS, Advertising, Media (T.V., Radio, Newspapers, Magazines, etc.) Baking, Business, Teaching Educational Administration, Research etc. Excellent job opportunities are available for the students of English department.

### Special Interest Groups

Special Interest Groups include *The Sharafat Ali Cassette Library for Blind University Students*, the Shakespeare Association of Pakistan, *Creative Writing Group*, *The Book Club*, *The Dramatics Club*, *The Public Speaking Group*. It should be remembered that these co-curricular activities are in addition to curricular activities and are not in place of them.

### Faculty

#### Professors

Mr. Kaleem Raza Khan

#### Assistant Professors

Ms. Dilshat Bano (Incharge)

Ms. Nishat Wasim

Ms. Huma Shakir

Ms. Lubna Shaheen (SL)

Dr. Farhana Wazir Khan

Dr. Iftikhar Shafi

Mr. Tayyab Zaidi

#### Lecturers

Mr. Tayyab Zaidi

Ms. Shumaila Shafket

Ms. Ibtesam Afreen

Ms. Bushra Khurram

Mr. Faisal Nazir (SL)

Ms. Lubna Hasan

### For Further Enquiry

Telephone: 99261300-6 ext. 2249

Website: [www.uok.edu.pk](http://www.uok.edu.pk)

## *Department of* **GENERAL HISTORY**

### **Introduction**

**D**epartment of History established in 1953 is one of the oldest departments of Karachi University which is proud of having world renowned scholars such as Dr. Mahmood Hussain, Dr. Riazul Islam, Dr. M.H. Siddiqui and many more as its faculty members.

### **Programs Available**

- BS & Honors
- Masters
- MS/Ph.D.

### **Certificate Courses (1 Year)**

- Hindi Language
- Diploma Course
- Indian Studies

### **Eligibility**

- BS & Honors: Intermediate
- Masters: Graduation
- MS: BS/M.A
- Ph.D.: MS/M.phil

### **Allocated Seats**

BS & Honors: 25 seats with General History  
                   65 on open merit  
                   10 Seats for DAE  
 Masters: 100 BA/B.Sc./B.Com  
                   30 seats with General History  
                   70 on open merit

### **Facilities**

- Dr. I.H. Qureshi Memorial Library
- Audio Visual Room
- Teaching Museum
- Internet facility for research students

### **Teaching and Assessment**

Every course is a 3 credit hour course. Teaching methodology is based on historical accounts, primary and secondary sources and visits to historical sites and Archives of various institutions. Classroom teaching is interactive and supported by seminar discussions, extension lectures by esteemed scholars. Our teaching approach is analytical unbiased and we encourage students to examine the historical events in global perspective. Our main emphasis is on developing historical research writing. We also offer

non credit courses in various languages as per requirement.

*Assessment Scheme:* Mid-term, assignments research projects and terminal test.

### **Career opportunities**

**National:** Department of Archaeology, Historical research centers, Museums, Teaching and Civil Services, Media (electronic and print), back office researcher & NGOs.

**International:** International organization like UNO, World Bank, Asian Development Bank, SAARC, ECO etc. Teaching and research assignments in national and international universities.

### **Research Activities**

Workshops, Seminars, Conferences, Extension lectures, Students' discussions & debates, field trips and study tours

### **Faculty Members**

#### **Associate Professor**

Ms. Nargis Rashid,  
Ms. ShamaHabeeb

#### **Assistant Professors**

Dr. NasreenAfzal (Incharge)  
Dr. S.M.Taha  
Ms. Hina Khan  
Dr. Tania Beg

#### **Lecturers**

Ms. Hajra Rahim (SL)  
Ms. KiranSiddiqui  
Ms. Kishwar Khan  
Ms. HumairaNaz  
Mr. Moiz Khan

### **For Further Enquiry**

Telephone: 99261300-6 Ext.2272

Website: [www.genhist.ku.edu.pk](http://www.genhist.ku.edu.pk)  
[www.uok.edu.pk](http://www.uok.edu.pk)

Email: [genhist@ku.edu.pk](mailto:genhist@ku.edu.pk)

## *Department of* INTERNATIONAL RELATIONS

### Introduction

International Relations is the oldest Department in the field of International Relations in Pakistan. It was established in 1958. Prior to its formation, the Department was under General History Department and Professor Dr. Mahmud Hussain was its founding Chairman. Dr. Muhammad Ahsen Chaudhry succeeded Dr. Mahmud Hussain as the Chairman of the Department. Currently, Professor Dr. Shaista Tabassum is the Chairperson of the Department

Since its inception, the Department of International Relations has been active in organizing seminars, conferences and workshops. A number of books have also been published under the Department and several Research Projects funded by foreign foundations are presently being run by its faculty members. The syllabus of the Department was revised in 1998 and new courses focusing on the conceptual and regional studies have been offered.

### Degree Programs Available

- BS & Honors
- Masters
- MS/Ph.D.

### Eligibility & Allocated Seats\*

#### *BS & Honors*

- Intermediate Arts with Civics, General History, Economics, Sociology, Logic **50 Seats**
- Intermediate Science with First division **15 Seats**
- Intermediate Commerce with First division **05 Seats**

#### *Masters*

- B.A. 1<sup>st</sup> division with (International Relations, Political Science, Economics, General History, Philosophy, Sociology, Mass Communication) **70 Seats**
- B.Sc. with 1<sup>st</sup> division **15 Seats**
- B.Com. with 1<sup>st</sup> division **05 Seats**

\* In case of vacant seats, allocation can be interchanged

#### *MS*

- BS/M.A. **15 Seats**

### Facilities

There is a seminar library for both undergraduate and graduate students which consist of relevant books,

magazines, research journals and newspapers. In addition, graduate students can access the departmental computer lab with internet and printing facilities for writing research reports and assignments. The Department has a separate conference room where conferences and seminars are organized.

### Teaching and Assessment

Teaching for all degree programs is offered on semester basis. Student assessment during the semester consists of mid-term tests, assignments and a terminal exam at the end of every semester.

### Career Opportunities

Students graduating from the Department can be found in various sectors. Traditionally, students of the Department have been recruited to the bureaucracy, both provincial and federal. A popular option these days is recruitment in the electronic media where there is a huge demand for IR graduates focusing on current events.

### Research Activities

The process of organizing programs, collaborative research and publications in the Department got an impetus in the decade of 1990s. More than 22 international conferences and workshops have been organized by the Department since 1994.

### Faculty Members

#### Professors

Dr. Khalida Ghous (on Ex-Pakistan Leave)  
Dr. Moonis Ahmar (on study leave)  
Dr. Shaista Tabassum (Chairperson)  
Dr. Sheikh Mutahir Ahmed

#### Assistant Professors

Dr. Huma Baqai (on Ex-Pakistan Leave)  
Mr. Aamir Hameed  
Dr. Naeem Ahmed  
Dr. Farhan Hanif

#### Lecturers

Ms. Sheila Zulfiqar Ahmed  
Ms. Nausheen Wasi  
Mr. Fahimuddin  
Mr. Faisal Awan

### Further Enquiries

Telephone: 99261300-6 Ext. 2274  
99261394 (Direct)

Website: [www.kuir.edu.pk](http://www.kuir.edu.pk), [www.ppscr.org](http://www.ppscr.org)

## *Department of* **ISLAMIC HISTORY**

### **Introduction**

The Department of Islamic History may be regarded as one of the oldest departments of Karachi University. It was established in 1953 with a view to provide facilities for advanced studies and original research in the field of Islamic History and culture. Although in the opening phase it had a very limited number of students and very few teachers, yet it attracted the intelligentsia and subject lovers soon. So much so that it became the 2<sup>nd</sup>/3<sup>rd</sup> largest department of the Faculty of Arts in the following years. It still ranks the same. At present there are more than four hundred students on roll in this department.

### **Degree programs Available**

- BS & Honors
- Masters
- MS/ Ph.D.

### **Allocated Seats**

- BS & Honors **100 seats**
- Masters **70 seats**

### **Eligibility**

#### BS & Honors:

- i) Intermediate Arts with Islamic History
- ii) Intermediate Arts with Islamic Learning, General History or Arabic
- iii) Intermediate Arts, Science and Commerce

#### Masters

- i) B.A. with Islamic History
- ii) B.A. with Islamic Learning, Islamic Culture, General History or Arabic
- iii) B.A., B.Sc., B.Com.

#### MS

BS/M.A. Islamic History

#### Ph.D

MS/M.phil Islamic History

### **Carrier Opportunities**

Islamic History has possess a very strong bond with the social sciences, political sciences, international relations and sociology, not only the describe above, but in professional field that include teaching and media, it also posses a very bright future, especially, right now as the World's geo-political, social and

cultural scenario are changing, Islamic History attains a vital and leadership importance.

### **Research Activities**

Along with teaching and studies, original research work was also carried out during last three decades. Research activities at M.Phil and Ph.D levels are still in progress.

### **Facilities**

- A departmental library is housed in the seminar reading room that has more than 2000 books.
- A small computer lab

### **Faculty Members**

#### **Professor**

Dr. NigarSajjadZaheer

#### **Assistant Professors**

Mr. Dr. M. ShakeelSiddiqui  
 Ms. SoofiaFarnaz (Incharge)  
 Ms. FarzanaJabeen  
 Mrs. Farah NazSohail  
 Dr. Muhammad Zubair  
 Ms. Suraiya Tariq  
 Ms. SameenaHasnain  
 Dr. ZebAlftikhar  
 Dr. UzmaPerveen  
 Dr. Muhammad SohailShafiq

#### **Lecturers**

Ms. Muhammad Faisal Hassan  
 Ms. HumairaNaz

### **For Further Enquiry**

Telephone: 99261399-6 ext. 2276

Website: [www.uok.edu.pk](http://www.uok.edu.pk)

## Department of LIBRARY & INFORMATION SCIENCES

### Introduction

Established in 1956, the Department of Library Sciences was the first ever to offer professional degree in Pakistan in this discipline. Masters in Library Science (M.L.S.) was offered from 1962. Since 1982 the department is known as Department of Library and Information Science, and information control / management became an integral part of the studies. Computer lab for cataloguing was established in 1984. This was the first computer laboratory in all Library and Information Science Schools across Pakistan as well as the Faculty of Arts, University of Karachi.

The founder chairman, Dr. Abdul Moid was the first Ph. D. holder in Library Science from the USA (1964). The Presidents' Award for the Pride of Performance has been awarded to Professor Dr. Anis Khurshid, a renowned teacher of the department, known as the father of modern librarianship in Pakistan.

### Degree Programs Available

- BS & Honors
- BLIS
- MLIS

(Students who have completed their BLIS and MLIS are awarded separate degrees for each program)

- MS/ Ph.D.

### Eligibility & Allocated Seats

#### BS & Honors:

- Intermediate **50 seats**

#### BLIS:

- B.A., B.Sc., B.Com, B.Sc. (Home Economics) **50 seats**
- B. A. with Library Science (Minimum 55% marks) **08 seats**
- 02 seats reserved for candidates who have worked on a professional capacity in a library of a recognized institution for at least 3 years and who fulfill the following conditions:
  1. Must be a second class graduate
  2. Certificate from the Head of the Institution giving justification and recommendations for the degree.

(The condition of having graduated within five years will not apply to applicants for these seats) if these seats remain vacant, they can be filled with applicants

who have done B.A., BLIS. Admission to MLIS is granted at departmental level

### Facilities

The Department of Library and Information Science has a well-stocked seminar library, a practical lab for cataloguing and classification and a large computer lab with 24 Pentium-IV PCs with the networking facility. Multimedia, slide projectors, sound system and other equipments are available for academic and co-academic activities.

### Teaching and Assessment

Teaching at the department includes lectures, practical, presentations, group discussions, study tours and extension lectures. Assessment is based on evaluation of performance in the semester examinations along with various projects, assignments, reports and oral presentations.

### Career Opportunities

The need of a trained person to control and to search relevant information in the modern time has become a necessity. Opportunities for outgoing students are open in public and private sector and packages offered are better in comparison to other professions. In government offices, BLIS / BS degree holders are offered 16 – 17 (BPS) and MLIS 17 (BPS) and above.

### Research Activities

Research is actively pursued by the Faculty in their respective fields of interest. The students are required to produce research at various levels, ranging from short assignments to the optional Final year thesis.

#### Faculty Members

##### Professor

Ms. MalahatKaleemSherwani, Chairperson

##### Assistant Professors

Mr. Muhammad Siddique  
Mr. AnwerShoaib Khan  
Dr. MuniraNasreen Ansari  
Mr. FarhatHussain  
Ms. RafatParveenSiddiqui  
Ms. Naveed-e-Sehar

##### Lecturer

Mr. Muhammad Waseem Zia

### For Further Enquiry

Telephone: 92-21-99261300-6, Ext. 2249

Website: [www.dlisuok.edu.pk](http://www.dlisuok.edu.pk)

Email: [dliis.uok@gmail.com](mailto:dliis.uok@gmail.com)

## **Department of MASS COMMUNICATION**

### **Introduction**

Previously known as the Department of Journalism, the Department of Mass Communication, was established in 1955 with a diploma course for working journalists. The objective was to produce qualified journalists and media professionals and to cater to the growing needs of the national press and the mass communication industry. In 1962, the diploma program was replaced by a regular two year M.A. Program. This was done in the light of recommendations of the Pakistan Press Communication with the aim to expand and modernize media education in the country.

The students have to opt for a medium in which they can express themselves conveniently. The teachers of the department have a professional background with experience in every sector of the media, namely, print, radio, television, advertising and public relations. Since the system in the country is multi lingual, separate classes are held in English and Urdu languages as mediums of instruction.

### **Degree Programs Available**

BS & Honors, Masters, MS/Ph.D.

### **Eligibility & Allocated Seats**

**BS & Honors:** **35 seats**

Intermediate Arts, Science, Commerce, Home Economics or equivalent

**Masters:** B.A., B.Sc., B.Com., B.Sc. (Home Economics) or equivalent **35 seats**

*Calculation of Merit for BS & Honors/Masters=*  
*(Total % + % marks in English + % marks in Urdu) / 3*

*\* For those who do not have Urdu (Compulsory) as a subject in the pre-requisite Exam, the merit formula will be = (Total % marks + % marks in English) / 2*

**DAE** **02 seats**

**MS:** BS/M.A. Mass Communication

**P.hd:** MS/M.phil Mass Communication

### **Facilities**

The department has four teaching & training labs namely the news lab, Electronics Media Lab, two Computer Labs (one each for Urdu and English) and an Advertising Lab. A complete radio broadcasting station with the FM radio license is also run by the Department.

### **Research Activities**

Final year students are required to undertake a research project and submit their report in the final

semester. The department has a large collection of such reports focusing on almost every aspect of the media, which are also published from time to time.

### **Publications**

An annual journal, known as 'Journal of Mass Communication' is published. This bilingual journal is reserved for research articles only. Two to four books are published every year. These valuable publications are the latest and relevant material available to Urdu medium students. Similar approach has been adopted to bring out issues in English. A newspaper entitled "Inkeshaf" is published each semester to provide a training base to students. Students produce the entire content of this newspaper. In 2003, the department launched a monthly newsletter, "The Media Mirror", which publishes news stories and comments on media related events and issues.

### **Teaching and Assessment**

Apart from class lectures, students are required to do tutorials and assignments. It is also mandatory for each student to complete 180 hours of internships at media institutes. A certificate on satisfactory completion of internship enables students to apply for a marks sheet and a degree.

### **Career Opportunities**

Mass Communication is a professional discipline and there are vast opportunities for Mass Communication graduates in media and communication industries. Other fields like teaching, research and information areas, at private and public sector institutions and the corporate sector also offer wide opportunities.

### **Faculty Members**

#### **Professors**

Dr. TahirMasood  
Dr. MahmoodGhaznavi

#### **Associate Professors**

Dr. RafiaTaj (Chairperson)

#### **Assistant Professors**

Ms. SaminaQureshi (FSL)  
Ms. FouziaNaz

#### **Lecturers**

Ms. SadiaMahmood

### **Further Enquiry**

Telephone: 92-21-99261300-6, Ext.2278

Website: [www.uok.edu.pk](http://www.uok.edu.pk),

Email: [kumasscommunication@yahoo.com](mailto:kumasscommunication@yahoo.com)

## Department of PERSIAN

### Introduction

The department of Persian was established in 1955 with a view to provide facilities for advanced studies and research in the fields of Persian language and literature with particular emphasis on the literature produced in the Indo-Pak subcontinent during the last nine centuries, and to familiarize the younger generation of this country with the history, language and literature of Iran. Professor Dr. Ghulam Sarwar was the founder Chairman of the department.

### Degree /Diploma/ Certificate Programs

- BS & Honors
- Masters
- MS/M.phil/P.hd
- Persian Certificate (Language course)
- Persian Certificate (Historical text)
- Diploma Course (Persian language)
- Diploma course (Historical text)

### Eligibility & Allocated Seats

BS & Honors: Intermediate/DAE **40 Seats**

Masters: **30 Seats**

- i) Graduation (with Persian)
- ii) Graduation (with Diploma *Khana –e-Farhang Iran*, or Diploma in Persian Language from Karachi University.)
- iii) Graduation with Advanced Urdu

MS/M.phil: BS/M.A. Persian

Ph.D.: MS/M.phil Persian

### Teaching and Assessment

Teaching at the department combines lectures, group discussions, quizzes and class presentations. Assessment is based on midterm, makeup and Terminal examinations. Dissertation is mandatory for Final year literature students.

### Facilities

*Seminar Library:* The seminar library holds a stock of more than 5000 books and 1500 journals. It also has a good number of rare printed works, audiotapes and discs. Besides, the personal collections of the teachers, which exceed 2000 titles, are also available to the readers within the premises of the department.

*Additional Language Support Classes:* The department of Persian also arranges special

conversational classes, which aim at developing the Persian speaking power of the student with correct pronunciation and accent. The department has recently acquired necessary audiovisual equipment for this purpose.

*Seminar/ Lecture Program:* The co-curricular program also involves seminars and lectures delivered by renowned scholars on topics mostly relating to Persian language and literature. These programs aim at enhancing the academic capability and talents of the students.

### Scholarships Offered

Gold Medal: Khawaja Moinuddin Gold Medal is awarded to the student who stands first class first in the M.A. examination. Some scholarships are awarded by the Cultural Centre of the Islamic Republic of Iran on behalf of their government under the cultural program to the students of BS classes and research scholars for M.phil/Ph.D.

### Career Opportunities

Students of this department continue to enter a variety of vocational fields, some of which are CSS, Advertising, Media, Banking, Business, Translation /Interpreting, Teaching, Educational Administration & Research, News agencies, Foreign Ministry etc.

### Faculty

#### Associate Professor

Dr. Shehla Saleem Noori (Chairperson)

#### Assistant Professors

Mr. Ramzan Bamari

Ms. Salma Latif

Dr. Faizeh Zehra Mirza

#### Lecturer

Mr. Muhammad Nazir

Ms. Faizeh Khatoon

Ms. Bilquees Laghari

### For Further Enquiry

Telephone: 92-21-99261300-6 Ext: 2280

Website: [www.percian.ku.edu.pk](http://www.percian.ku.edu.pk)

[www.uok.edu.pk](http://www.uok.edu.pk)

## *Department of* **PHILOSOPHY**

### **Introduction**

The Department of Philosophy was found in 1952. It is the first department that came into existence in the faculty of Arts, University of Karachi. From the very beginning, the department has remained committed to fostering a wide variety of philosophical approaches and has struggled towards developing links between philosophy and other disciplines. The members of its teaching staff include Professors, Associate Professors, Assistant Professors and Lecturers. All teachers are strongly committed to teaching and research and have contributed significantly in the advancement of knowledge. Moreover, its senior faculty members have also served on important positions of responsibilities in the University administration and other government institutions.

Philosophy Department is committed to a variety of approaches. Researches pursued by its faculty members and students involve living issues of Philosophy, Meta-Logic, Phenomenology, Existentialism, Ethics, Analytical Philosophy, Concept of Self; Post Modernist Thought, Islamic Modernism, Philosophical Anthropology, Critical Theory, Hermeneutics, Pragmatism, Aesthetic Theory, Consciousness Studies, and Philosophy of Mind.

### **Programs Available**

- BS & Honors
- Masters
- MS/Ph.D

### **Eligibility & Allocated Seats**

#### BS & Honors:

Intermediate (Science, Arts, Commerce), Diploma in Fine Arts or equivalent **60 Seats**

#### Masters:

B.A., B.Com., B.Sc. or equivalent **60 Seats**

#### MS: BS/M.A.

#### Ph.D: MS/M.Phil

### **Facilities**

- Seminar library for students.
- Philosophy Research Center/ Computer lab. for M.S/ M.Phil / Ph.D. Students
- Student Advisory. Counseling/ Student week programs for Co-curricular activities and sports.
- Discussion groups, Essay competitions, Students

Orientation, and Representations in various Institutional programs.

### **Teaching Assessment**

1. Semester system teaching with mid term and terminal tests.
2. Class performance assessment/ Discussion group and presentations.

### **Career opportunities**

Students' after passing out from the department can enter the fields of research, advertising, tourism, journalism, civil services, teaching and law.

### **Publications**

1. Research Journal of Philosophy (Quarterly)
2. Research Article of Faculty Members in International Philosophical Journals.

### **Faculty Members**

#### **Associate Professor**

Dr. Zahoor H. Baber (Chairman)  
Dr. Javed Iqbal Ameer

#### **Assistant Professors**

Dr. Abdul Wahab Soori  
Dr. Abdul Rahim Afaki  
Dr. Zulfiqar Ali Meher

#### **Lecturers**

Mr. Abdul Khaliq Aboya  
Mr. Syed Alam Shah Naqvi  
Mr. M. Ateeque  
Mr. Amjad Ali

### **Further Enquiries**

Telephone No . 99261300- 6 Ext. 2271

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Email: [zhbaber@uok.edu.pk](mailto:zhbaber@uok.edu.pk)

## *Department of* **POLITICAL SCIENCE**

**D**epartment of Political Science was established in 1952. It has since then initiated programs for the award of research degrees of M.Phil and Ph.D in Political Science and its allied fields.

The Department of Political Science has been playing an important role in the overall development of the University. It has been the mother of the Departments of International Relations, Sociology and Public Administration. At present the department is second in the Faculty of Arts, after Economics, in terms of the number of students enrolled.

The Department has, since its inception, very qualified and competent persons in its faculty. Professor (Late) Ilyas Ahmed, Professor Dr. M. Aziz Ahmed; Prof. Dr. Manzooruddin Ahmed, Professor Dr. Syed Adil Hussain, Professor (late) C.A Salahuddin, Professor (Late) Waheedud-din Kadri, Professor (Late) Syed Sadique Hussain, Prof. (Late) Dr. Syed Shahid Ali Rizvi, Prof. (Late) Dr. S. Rizwan Ali Rizvi, Prof. Dr. Arshad S. Karim, Prof. Nihal Hasan Rizvi, Prof. Dr. Tanveer Khalid and Dr. Hafiz M. Abdullah Qadri have served the Department with distinction. Currently Dr. Nusrat Idrees is serving as head of the department.

### **Degree Programs Available**

- BS & Honors
- Masters
- MS/Ph.D

### **Eligibility & Estimated Seats**

#### BS & Honors:

Intermediate (with Civics) **60 Seats**  
Intermediate Science or Commerce with at least 50% marks) **10 Seats**

Masters: B.A. (with Political Science) **100 Seats**

### **Facilities**

The department has a fully functional Seminar Library with approx 2000 books. Most of the books are recent publications in the subject in both English and Urdu. The library also offers dailies, periodicals and research journals for reading to its students.

**Computer Lab:** A computer lab has been set up with 10 PCs. A computer instructor is specially hired for the job.

### **Teaching and Assessment**

Besides regular lectures delivered in both English and Urdu by the faculty the students participate in Seminars/ workshops and group discussions. Special lectures by visiting faculty are also attended by students compulsorily.

### **Career Opportunities**

In addition to teaching and research positions in academic settings, Political Science degree holders are prepared for careers at all levels of government as well as journalism, International business, International risk analysis and Political campaign organization their skills of surveys and statistical analysis is in high demand in the public and private sectors. Their knowledge and scientific education on current affairs, both national and international, caters to the needs of the job market especially competitive exams.

### **Faculty Members**

#### **Professors**

Dr. M. Ahmed Qadri  
Dr. Tanveer Khalid (re-employed)

#### **Associate Professors**

Dr. M. Abdullah Qadri  
Dr. Nusrat Idrees (Chairperson)

#### **Assistant Professors**

Dr. Samina Saeed  
Dr. Summer Sultana

#### **Lecturers**

Mr. Muhammad Ali  
Mr. Muhammad Kamran Khan  
Mr. S. Shumail Qadri  
Mr. Mehboob Hassan Muqaddam

### **For Further Enquiry**

Telephone: 99261300-6 Ext.2342

Website: [www.uok.edu.pk](http://www.uok.edu.pk)

**Department of  
PSYCHOLOGY**

**Introduction**

The department of Psychology came into existence in 1954 under the Chairmanship of Professor Dr. Qazi Aslam. It gradually attracted both students and teachers with the result that teaching and research psychologists like Dr. Haseen Uddin Zuberi, Dr. S.M.HafeezZaid, Dr. Farrukh Z. Ahmed, Dr. Afzal Imam and Dr. M.Wasim led the department to its present academic heights. It has now become one of the leading departments of the Faculty of Arts.

Since 1956, the teaching and practice of Clinical psychology has enjoyed popularity both amongst teachers and students of the department. Dr. Farrukh Z. Ahmad, the then chairperson, took active steps to establish a separate institute of clinical Psychology.

The department’s teachers are also members of the Sindh Psychological Association and the Pakistan Psychological Association. They further act as subject specialists in the Provincial and Federal Public service commission for the appointment of teachers in colleges. Seminars, lectures, mental health camps, picnics, students’ week, welcome and farewell parties etc are arranged for the students so that they remain updated with current happenings and also get a chance to take a break from study schedules.

**Degree Programs Available**

- BS & Honors
- Masters
- MS/Ph.D

**Eligibility & Allocated Seats**

BS & Honors: Intermediate Arts / Science (with Psychology) **25 Seats**

Intermediate Arts/ Science/ Commerce/ Home Economics/ Computer Science/ A-Level (with First division) **18 Seats**

DAE (with First Division) **02 Seats**

Masters:

B.A./B.Sc. (with Psychology) **30 Seats**

B.A./ B.Sc./ B.Com./ B.Sc. (Home Economics) / BBA/BPA/BS (Computer Science) with 1st division **23 Seats**

MBBS/B.E. (with 1<sup>st</sup> Division) **02 Seats**

*Incase of vacant seats, allocation can be interchanged.*

**Facilities**

The department’s library has a collection of over 800 books. This large collection includes latest publications, journals, encyclopedias and magazines. The department has six computers, four overhead projectors, multimedia, two screens, a printer and a scanner.

**Teaching and Assessment**

Teaching is based on interactive class participation: group discussions, class presentations by students, assignments, research work etc to maintain interest and make learning more effective. The use of audio visual aids brings out the creativity of teachers and students, and helps in improving their presentation skills. Assessment is based on class performance of students, their punctuality, assignments and particularly the semester examination results.

**Research Interests**

The Faculty members are actively involved in pursuing important areas in research. Some research topics include: women studies, Child development and relationship, Gender issues, community psychology, Therapeutic techniques and diagnosis, Organizational behavior, consumer behavior, Social psychological issues.

**Career Opportunities**

After doing Masters in Psychology (Clinical/Industrial/ Educational /Investigative Psychology), the students can pursue careers in any of the following fields: Organization, NGOs’ clinical setup, educational institutes, law enforcement agencies, the armed forces etc

**Faculty Members**

**Professor**

Dr. AnjumAra Jahangir

**Associate Professors**

Mr. Haider Abbas Rizvi,

Mrs. RubinaFeroz (Chairperson)

Dr. Anila Amber Malik

**Assistant Professors**

Ms. Farah Iqbal

Ms. Qudsia Babar

Dr. AmenaZehra Ali

Dr. Ziasma

**Lecturer**

Ms. Bushra Khan

Ms. Sadat Jabeen

Ms. AnilaMukhtar

**Further Enquiry:**

Telephone 99261300-6 Ext.2283

Website: [www.uok.edu.pk/faculties/psychology](http://www.uok.edu.pk/faculties/psychology)

Email: [psychology\\_ku@yahoo.com](mailto:psychology_ku@yahoo.com)

## Department of Sindhi

### Introduction

The Department of Sindhi was established in 1972. It started with a master's program only, but later on Honors program, certificate and diploma were also introduced. The Department also offers Sindhi as a compulsory subject in lieu of Urdu in B.A./B.Sc. and B.Com. (Honors) IIInd year. In 2007 like other Departments of University of Karachi, Sindhi Department also started BS four years program and MS/Ph.D. The curriculum is regularly revised and updated by introducing the latest literature being produced by authors so that students can be kept well aware. Regular literary lectures are arranged to inspire the students and to make them aware of practical criticism, and develop skills of expressing their opinion. For the same purpose, scholars and critics are invited regularly for extension lectures. Interaction with literary figures is a regular feature of the department's activities.

The department of Sindhi has been actively contributing towards production of research & academic Literature by organizing seminars & conferences from time to time. These events result in production of valuable literature in the form of monographs & books launched on such occasions. The department also plans to launch a quarterly Research Journal very soon to bring into line light research in and on Sindhi language & literature. Besides, the department also organizes excursions for students to various historical places for their close first hand interaction with history thus giving students a chance to triangulate their knowledge from books, observations and their own interpretations.

### Degree / Certificate Programs Available

- BS & Honors
- Masters
- MS/M.phil/P.hd
- Certificate/Diploma in Sindhi

### Eligibility & Allocated Seats

BS & Honors: Intermediate (Science, Arts, Commerce) with Sindhi as an optional/ compulsory subject **75 seats**

Masters: Graduation (Science, Arts, Commerce) with Sindhi as an optional/ compulsory subject **75 seats**

MS/M.phil/PhD: Post Graduation in Sindhi

Ph.D.: MS/M.Phil. in Sindhi

Certificate course: Graduation or status as University students

Diploma course: Certificate course passed

### Facilities

- Well-stocked seminar library
- Spacious well-equipped class rooms
- Auditorium for conferences and seminars

### Career opportunities

The graduates find various openings of their career including teaching at Secondary, Higher Secondary and Higher Educational Institutions, with a boom in media industry, now they also join various electronic and print media outlets.

### Faculty Members

#### Associate Professor

Dr. NaheedPorreen (Chairperson)

#### Assistant Professor

Dr. Abdul GhafoorMemon

Mr. Rukhman GulPalari

### For Further Enquiry:

Telephone 99261300-6 Ext.2283

Website: [www.uok.edu.pk](http://www.uok.edu.pk)

**Department of  
SOCIOLOGY**

**Introduction**

The department of Sociology was established in 1960. Later, to meet the academic demands of society, programs in Criminology and Population Sciences were initiated under the umbrella of department of Sociology. Graduates from the department have adopted a wide range of careers. Most have excelled in their profession and have joined public and private institutions. The study in the department is well organized. The teaching faculty includes experienced Professors, including those with degrees from foreign universities. Research work is a hallmark of the department. Seminars and workshops are important characteristics of the department which are organized frequently.

**Degree Programs Available**

*Morning Program*

BS & Honors, Masters, MS/M.phil/P.hd

*Evening Program*

BS & Honors, Masters in Criminological Sciences, Masters in Population Sciences

**Eligibility & Allocated Seats**

**BS & Honors Intermediate Arts 40 Seats**

- 1<sup>st</sup> preference: 1<sup>st</sup> Division with Sociology
- 2<sup>nd</sup> preference: 1<sup>st</sup> division with Economics, Civics, Psychology, Education, Social Work or Statistics.
- 3<sup>rd</sup> preference: Intermediate with 55% marks in Sociology
- 4<sup>th</sup> preference: Intermediate with Economics, Civic, Psychology, Education, Social Work or Statistics

Intermediate Science with at least 55% marks

**5 Seats**

Intermediate Commerce with at least 55% marks

**5 Seats**

Masters:

B.A. **40 Seats**

- 1<sup>st</sup> preference: B.A. (1st division with Sociology)
- 2<sup>nd</sup> preference: B.A. (1st division with Economics, Political Science, Psychology, Education, Social Work, Statistics, General History).
- 3<sup>rd</sup> preference: B.A. (with 55% marks in Sociology)
- 4<sup>th</sup> preference: B.A (with Economics, Political Science, Psychology, Education, Social Work, Statistics, General History).

B.Sc. with at least 55% marks **5 Seats**

B.Sc.(Home Economics) with at least 55% marks **10 Seats**

B.Com. with at least 50% marks **5 Seats**

MS: BS/M.A. (Sociology)

PhD: MS/M.phil (Sociology)

**Allocated Seats in Evening Program**

BS (Hons.)	<b>50 seats</b>
BS (Third Year)	<b>60 seats</b>
Master in Criminology	<b>50 seats</b>
Master in Population Sciences	<b>50 seats</b>

**Facilities**

The seminar library contains over 3000 books, journals, magazines and other national and international periodicals. The department has a well equipped computer laboratory, which provides assistant in almost all aspects of the use of information processing facilities. Ethnological Museum plays a pivotal role in the study of Art & Culture.

**Teaching Methods and Assessment:**

Teaching methods involves assimilation of lectures and group discussion, class presentations, individual and group projects, case studies, workshops extended lecture and field research with the use of audio visual assistant. Students' assessment involves evaluation, oral presentation, individual and group projects, written assignments', test results and performance in semester final examination and one of the assessment methods of this program is the compulsory attendance of students in the departmental library.

**Faculty Members**

**Professor**

Dr. Fateh M. Burfat

**Associate Professor**

Dr. Rana Saba Sultan (Chairperson)

**Assistant Professors**

Dr. Sobia Anis Shahzad

Dr. Nabeel A. Zubairi

Mrs. Farzana Zaigham

Mrs. Shahana Khan

Dr. Ghulam M. Burfat

Dr. Naila Usman

**Lecturers**

Ms. Kaneez Fatima

Ms. Munnaza Madani

Ms. Naima Saeed

Ms. Nousheen Raza

Mr. Amjad Javaid

**For Further Enquiry**

**Telephone:** 99261300-6 Ext.2286

**Email:** [ranas\\_sultan@hotmail.com](mailto:ranas_sultan@hotmail.com)

**Department of  
SOCIAL WORK**

**Introduction**

The Department of Social Work was established in 1961. The main objective of the department is to analysis the problems of society and to prepare and educate students to work with the common people. As a research cum teaching department it has been able to earn a reputable place for itself in its existence of 48 years.

Social Work Department aims to motivate people in identifying problems and solve them with the help of social work students. Social Work focuses on Field Work along with different social theories rather than only teaching different disciplines. The subject indeed has transformed the concepts and tools of social sciences and humanities. The courses are designed to prepare student for higher degree in social work within Pakistan and abroad.

**Degree Programs Available**

- BS & Honors
- Masters
- MS/M.phil/P.hd

**Eligibility & Allocated Seats**

BS & Honors:

Intermediate Arts	<b>35 seats</b>
Intermediate Science (Pre-Med.)	<b>5 seats</b>
Intermediate Science (Pre-Eng.)	<b>5 seats</b>
Intermediate (Computer Science)	<b>5 seats</b>

Masters:

B.A. (with Social Work)	<b>35 seats</b>
B.A. (with Sociology or Psychology)	<b>10 seats</b>
B.Sc. (with Biology)	<b>5 seats</b>

**Facilities**

The department of Social work has a well stocked library more than 1000 books, journals, reports and periodicals etc. The department also has a computer lab.

**Teaching and Assessment**

Students are involved in theoretical discussions, research activities, symposia, lectures and dialogues with different NGO's. Assessment is by means of examinations (semester examination and midterm tests) assignments and other written and oral presentation.

**Career Opportunities**

- Administrative position in NGOs and International Welfare Organization.
- Research Organization.
- Planning and Development, Government. Semi Government and private organization.

**Research Activities**

1. Research activities and thesis writing at Masters level is compulsory.
2. MS/Ph.D program introduced in 2008.
3. Six faculty members have completed Ph.D from the department and other three are working on their theses.

**Faculty Members**

**Professors**

Dr. Shama Aziz (Chairperson)  
Dr. Nasreen Aslam Shah

**Associate Professors**

Dr. Najma Farman  
Dr. Kulsoom Kazi  
Dr. Muhammad Shahid

**Assistant Professors**

Dr. Fakhr ul Hoda Siddiqui  
Ms. Farhana Safaraz  
Ms. Samina Rauf  
Ms. Sakina Riaz  
Ms. Jugnoo Salahuddin  
Mr. M. Nadeemullah

**For Further Enquiry**

**Telephone:** 99261300-6 Ext.2284

**Email:** [socialworkarts@yahoo.com](mailto:socialworkarts@yahoo.com)

## *Department of* **SPECIAL EDUCATION**

### **Introduction**

**D**epartment of Special Education was established in the University of Karachi in 1988. The University of Karachi offers a regular program of studies in Special Education at the graduate as well as the post graduate level for students who intend to serve the Special need Community. The program is designed to provide students with opportunities to actually teach special children during the course of studies, so that they can get practical experience along with their academic learning. Objectives of the program include,

- To develop high quality manpower in the field of Special Education.
- To prepare students to learn practical skills required to serve special need children and their families.
- To conduct research and develop recommendations of the welfare of special need children.
- To serve as a resource center for all Government and Non-Government organization, at both national and international level.

### **Degree Programs Available**

#### *Morning Program*

BS & Honors, Masters, MS/M.phil/P.hd

#### *Evening Program*

- M.A. in Audiology & Speech Pathology
- Diploma in Audiology and Speech Pathology

### **Eligibility & Allocated Seats**

BS & Honors: H.S.C. **45 seats**

Masters: B.A./ B.Com., B.Sc./ M.B.B.S. or equivalent **45 seats**

*Special nominations from Govt. & non-Govt. Schools* **20 seats**

MS: Masters/BS in Special Education with First Class **10 seats**

Ph.D.: M.Phil/MS in Special Education **05 seats**

Diploma / Masters in Audiology and Speech Pathology: B.A./ B.Sc. (Biology)/ M.B.B.S. or equivalent **45 Seats**

### **Facilities**

The Department has lecture and seminar rooms. Audio Visual Room, as well as a well stocked seminar library with most recent books. The department has equipment, which provides practical

work facilities to students as well as provide exposure of practical teaching at Special Schools.

### **Teaching and Assessments**

Lecture method with emphasis on classroom discussion and feedback including effective use of audio-visual aids, provision of expertise through resource persons and a regular program of extension lectures are part of formal teaching methodology. Field visits for on the spot observation of special children, particularly, in the classroom children are also arranged.

### **Career opportunities**

Students of the Department of Special Education continue to enter a variety of educational, vocational and rehabilitation fields. Many are speech pathologists, audiologists, and teachers in different special education centers for mental retardation, physical handicap, hearing impairment, visual impairment, and learning disability. The graduates of the department get jobs in schools, hospitals, institutes, rehabilitation centers, directly or indirectly serving special need children.

### **Research Activities**

The faculty of the department is also very active and is engaged in research activities supported by the research facility center, University of Karachi as well as H.E.C. The areas of interest are Early Childhood Education, Family Support, and Inclusive Education etc.

### **Publications**

An annual journal namely "Pakistan Journal of Special Education and Research" is being published by the department along with various books.

### **Faculty Members**

#### **Professor**

Dr. Shahida Sajjad (chairperson)  
Dr. Shagufta Shahzadi,

#### **Associate Professors**

Dr. Nasir Suleman

### **For Further Enquiry**

Telephone/Fax: 021-99261300-6, Ext: 2212

E-mail: [specialeducation76@gmail.com](mailto:specialeducation76@gmail.com)

[shahida\\_sajjad@hotmail.com](mailto:shahida_sajjad@hotmail.com)

## Department of URDU

### Introduction

The department of Urdu officially came into existence in 1955 when the University of Karachi decided to organize postgraduate classes in Urdu under its own management instead of through the colleges.

At the time of its establishment, Moulvi Abdul Haq, 'Baba-e-Urdu' was made honorary Professor and the Chairman of the Department. Teaching responsibilities were carried out by the teachers of local colleges. Later Dr. Ghulam Mustafa Khan, a prominent scholar and Professor at Urdu College Karachi, was appointed both as a cooperative teacher and as the Chairman of the department. In the same year, Dr. AbulLaisSiddiqui was appointed as a Reader and Chairman and Dr. Abdul Qayyum, Dr. Syed Shah Ali, and QudratullahFatimi joined as lecturers.

With the valuable efforts and abilities of these teachers and scholars, the department has kept making progress. The following famous academics have been associated with the Urdu department. Dr. Syed AbulKhaireKashfi, Dr. Farman Fatehpure, Dr. AslamFarrukhi, Prof. JameelAkhtar Khan, Dr. HaneefFauq, Dr. YounusHasni, Shamim Ahmed, Prof. Sahar Ansari, Dr. Vaqar Ahmed Rizvi, Dr. SidiqaArman, Dr. MoinuddinAqeel, Dr. ZafarIqbal

The department of Urdu has a prominent position in the University of Karachi for research. Over 75 people have completed their Ph.D. research program and approximately twelve projects are in progress.

In addition to regular teaching and lectures, co-curricular literary and academic activities and gatherings are also held frequently.

### Degrees Programs

- BS & Honors
- Masters
- MS/M.phil/P.hd

### Eligibility & Allocated Seats

BS & Honors: Intermediate with Urdu Advance (at least 45% Marks) or Urdu Compulsory **75 Seats**

Masters: BA/B.Sc/B.Com (at least 45% marks). **60 Seats**

MS: M.A / BS (4 Year) FirstClass **35 Seats**

PhD: MS/ M.phil **10 Seats**

### Career Opportunities

Teaching; Print and Electronic Media, Research & Academic Organizations.

### Teaching and Assessment

Teaching at the Department combines lectures, group discussions and class presentations. Students are also given writing assignments and selected final year students are required to submit a dissertation carrying 200 marks six weeks after the final examination of the last semester.

### Faculty Members

#### Professors

Dr. ZafarIqbal

#### Associate Professors

Dr. Uzma Farman (Chairperson)  
Dr. Zulqarnain Ahmed  
Dr. SohailaFarooqui  
Dr. Tanzeem-ul-firdaus

#### Assistant Professors

Mrs. RahatAfshan  
Dr. Rauf Parikh

#### Lecturer

Mr. M. Sajid Khan

#### Visiting Faculty

Dr. WaqarRizwi  
Prof. Sahar Ansari  
Dr. TahiraNighat

### For Further Enquiry

Telephone: 92-21-99261300-6, Ext: 2287

Website [www.uok.edu.pk](http://www.uok.edu.pk)

## *Department of* **VISUAL STUDIES**

### **Introduction**

**V**isual Studies has completed its first decade, graduating innovative and award winning designers, architects and artists, who are making their mark in the professional world.

Courses at the Department of Visual Studies are primarily practical with a strong theory component.

A dedicated faculty supported by visiting faculty from professional fields and the university's own pool of excellent scholars, provide training that is current and professional.

The graduates of the Department of Visual Studies have the opportunity to influence social perception, the built environment, and determine the artistic legacy of their times. History of Ideas, Sociology and researched dissertations are some of the ways in which students develop analytical skills, and measure their designs against their social, cultural, economic and environmental impact.

Future plans include an evening programme of short courses for professionals wishing to acquire further training, introductory certificate courses, and postgraduate studies.

### **Facilities**

The departments offers its students the facilities of Library, Computer lab, Photography darkroom, Weaving looms, Silkscreen darkroom, Wood workshop, Metal workshop, Kiln and pottery wheels and Clay and plaster workshop.

### **Courses Offered**

#### **B. Architecture (5 years)**

#### **B. Design (4 years)**

- Design & Media Arts
- Textile Design
- Industrial Design
- Ceramics & Glass

#### **B.F.A. (4 years)**

- Fine Art
- Islamic Arts
- Art History

### **Foundation studies**

All specializations begin with a one-year foundation studies introducing students to a wide range of basic skills.

### **Career Opportunities**

1. **Architecture:** Architectural Design of buildings, Urban/Rural Planning, Architectural Research, Historical site management, Interior Design, Landscape architecture.

2. **Design & Media Studies:** Advertising design, Exhibition Design, Film & Television Production, Illustration, Animation, Photography, Editorial Design

3. **Textile Design:** Print Design, Apparel Design and Textiles for Home Furnishing, Textile accessories, Weaving, Crafts, Set Design and costumes.

4. **Industrial Design:** Product Design, Exhibition Design, Furniture Design, Interior Design, Set Design, Sign System Design, Transport Design

5. **Ceramics & Glass:** Pottery, Glassware, Sculpture, Craft Management, Tile work, Interior Design products

6. **Fine Art:** Artist, Arts Administration, Art Critic, Art Restoration, Animator, Art Gallery, Illustration, Set Design, Video.

7. **Islamic Arts:** Architectural Detailing, Arts of the Book, Calligraphy, Ceramics, Craft Management, Islamic Patterns, Miniature Painting, Museum Consultancy, Research, Restoration

8. **Art History:** Art Critic, Art historian, Arts Administration, Teacher, Art Restoration, Art Gallery, Museum Consultancy

### 9. **Teaching and Assessment**

Student assessment is based on practical assignments given throughout the term and examinations held at the end of each semester. Passing percentage is 50% in each course, and the result is calculated on the basis of G.P.R. A student must have obtained a CGPR of 2.45 in order to be awarded a degree.

#### **Faculty Members:**

- Ms. Durriya Kazi (Incharge)
- Ms. Taniya Nasir
- Mr. Syed Shamoon Haider

### **For Further Enquiry**

021 9261300-7 (Ext. 2239 - 3239)

[www.uok.edu.pk/faculties/visualstudies](http://www.uok.edu.pk/faculties/visualstudies)

*Department of***ISLAMIC LEARNING****Introduction**

**D**epartment of Islamic Learning is one of the oldest departments of the University of Karachi and was founded in 1954 to fulfill the need of scholars of Islamic studies in various institutions of Islamic Republic of Pakistan. The department aims to promote the study of Islamic thoughts and offers an opportunity to study Islam on Graduate & Post Graduate level. The M. S. and Ph.D. program in the department of Islamic learning covers the general areas of Islamic Studies with special focus on the modern and contemporary issues. The area of Islamic thought, Islamic Economics, Comparative Religion, Islamic Sociology and Muslim Political thought are also be pursued in the Ph.D. Program.

The department is situated in a beautiful building of Islamic Studies near Masjid-i-Ibrahim. In this department students are learning Islamic sciences like Tafseer, Hadith, Seerah, History, Islamic Jurisprudence, Principles of Islamic Jurisprudence, Mysticism, Ethics, Philosophy and Arabic. The department is producing scholars for educational, religious and social institutions for the country and abroad.

**Degree Programs**

- BS & Honors
- Masters
- MS/M.phil/P.hd

**Eligibility & Allocated Seats**

***BS & Honors***\*: Intermediate or equivalent **100 seats**

*\*Preference is given to the students having Islamic Studies (optional) or Arabic (Optional).*

***Masters***: B. A. with Islamic Studies (Optional) or Arabic (Optional). **100 seats**

**Facilities**

The Seminar Library provides a valuable resource of bibliographical and reference works, news sources, and current periodicals on Islam. The Faculty of

Islamic Studies has also a computer lab for teaching and research activities.

**Carrier Opportunities:**

Students passing out from this department are providing their services in educational institutions, research institutes, religious institutions and armed forces.

**Research & Publications**

The faculty members of the department of Islamic Studies are engaged in research projects funded by the university as well as on individual capacity. Their research articles are published in the journal of the faculty and in the reputed journals of Islamic Studies in Pakistan and abroad. The faculty members of the department also participate in the debate, discussions and talk-shows of different television channels and provide their views on different national and international issues of Islam and Muslim *Ummah* as well as dialogue among religions.

**Faculty Members****Professors**

Dr. Rehana Firdous (Chairperson)  
Dr. Jalaluddin A. Noori  
Dr. M. Shakil Auj

**Assistant Professor**

Dr. Obaid Ahmed Khan  
Dr. Zahid Ali Zahidi  
Dr. Nasiruddin  
Dr. M. Arif Khan Saqi

**Lecturer**

Ms. Asma Begum

**For Further Enquiry**

Telephone: 92-21-99261300-6, Ext: 2390  
Website [www.uok.edu.pk](http://www.uok.edu.pk)

## *Department of* **QURAN-O-SUNNAH**

### **Introduction**

The Department was established in 2000. Master's Degree Program is available in this department. All the Students who have passed B.A. or *Shahadat-ul-Aliya* from WafaqulMadaris and other Madaris are eligible for admission. Those candidates who have done only *Shahadat-ul-Aliya* are required to submit complete equivalence certificate issued by the University of Karachi.

### **Degree Programs Available**

- M.A.
- M.S.
- Ph.D

### **Eligibility & Allocated Seats**

#### Masters

**80 seats**

- i) B.A. with (Optional Islamic Studies)
- ii) Al-*Shahadat-ul-Aliya* with matric from any Board of Secondary Education\*\*

*\*\*These candidates are required to submit complete equivalence certificate issued by the University of Karachi along with their application forms.*

### **Career Opportunity**

After passing M.A. there is vast scope in Schools, Colleges, Universities, Madaras as teachers, as well as in other National and Multinational institutions as sarri'ah experts.

### **Research Activities**

The research activities in the department are remarkable such as:

1. To write thesis on M.A. level is a part of research activities.
2. At least 50 PhDs have been produced from the establishment of this department in 2000.
3. More than hundred students have been enrolled in MS / Ph.D.

### **Publications**

The department has also its own biannual research journal named "*EhyaulUloom*". Its seventh volume is going to be published soon.

### **Faculty Members**

#### **Meritorious Professor**

Dr. Abdul Rashid (Sitara-e-Imtiaz)  
(Re-employed)

#### **Assistant Professors**

Dr. Shahnaz Ghazi (Incharge)  
Dr. Zeenat Haroon  
Dr. Mufti Imran UIHaq Kalyanvi

### **For Further Enquiry**

99261300-6 Ext: 2324

Website [www.uok.edu.pk](http://www.uok.edu.pk)

## ***Department of*** **USOOL-UD-DIN**

### **Introduction**

**D**epartment of Usool-ud-Din was established in 2000 to fulfill the need of scholars of Islamic Studies in various institute of Islamic Republic of Pakistan. Islamic Sciences like Tafseer, Hadith, Seerah, History of Islamic Jurisprudence and Arabic are some of the courses that are being taught at the Department.

### **Degree Programs Available**

- BS & Honors
- Masters
- MS/M.phil/P.hd

### **Eligibility & Allocated Seats**

BS & Honors: H.S.C. or Equivalent Certificate

**50 seats**

Masters: B.A., B.Sc., B.Com., ShahadatulAalmiya\* with B.A.

**50 seats**

*\*These candidates are required to submit complete equivalence certificate issued by the University of Karachi along with their application forms.*

### **Facilities**

The students of the department use seminar library facilities of the faculty of Islamic studies where a good collection of books and journals on Islamic Studies is available. The faculty of Islamic studies has also a computer lab for teaching and research activities.

### **Teaching & Assessment**

Teaching and assessment is done under the semester system as per rules of the University of Karachi.

### **Career Opportunities**

Students passing out from this department are providing their services in educational institutions, research institutes, religious institutions and armed forces. Master or B.S. Degree holders can apply for any post of Grade – 17.

### **Research Activities**

Thesis in M.A. & MS/PhD. Programs is available for the research fellows.

### **Publication**

Research Journal is expected from the department.

### **Faculty Members**

#### **Professor**

Dr. Hisamuddin Mansori (Chairman)

#### **Associate Professor**

Dr. Nasir Ahmed Akhtar

#### **Assistant Professor**

Dr. Hafiz M. Ismail

### **For Further Enquiry**

99261300-6 Ext: 2220

Website [www.uok.edu.pk](http://www.uok.edu.pk)

## ***Faculty of*** **PHARMACY**

### **Introduction**

The Faculty of Pharmacy at the University of Karachi owes its origin to the Department of Pharmacy, which was established in 1964. The Department of Pharmacy was founded in response to the need of better drug delivery system in hospitals and retail pharmacy, and also to cater the ever growing need of pharmaceutical industries because 90 percent of the drug based industry in Pakistan, both national and multi-national, is located at Karachi.

The Department of Pharmacy was raised as the first full-fledged Faculty of Pharmacy in the country. The faculty comprises four teaching and research departments viz. Pharmaceutics, Pharmaceutical Chemistry, Pharma-cognosy and Pharmacology. More than 1800 regular students are today pursuing their studies leading to the award of Pharm. D., M. Pharm., M. Phil., M.S. and Ph.D degrees.

### **Eligibility**

**Pharm-D** (Five years Program): H. S. C. (Biology Group) or equivalent with a minimum of 60% marks ('B' grade)

In addition, the three- and four-year degree holders can upgrade their degrees to Pharm. D. (five-year degree program) after completion of deficiency courses.

### **Allocated Seats**

200 seats are available on merit basis for Pharm. D program in morning + reserved seats including foreign students.

50 seats are available for one year program for the students holding four year degree in order to upgrade to Pharm. D. (five years program).

### **Lab. & Library Facilities**

The Faculty of Pharmacy has well equipped laboratories in all the four departments, fully capable of catering the teaching and research needs of the various programs offered. Moreover, there is a good library of the faculty. Furthermore the Faculty has an Institute of Pharmaceutical Sciences under its auspices so as to give more impetus to scientific and technological research and development.

### **Career Opportunities**

Pharmacy as a distinct profession forms the edifice of the health care system on which lies success of well-being of the community. With the rise of population world wide during the last few decades, it has been realized that the conventional traditional medical and healthcare services are unable to pay any significant role in the overall improvement of health status. This realization has driven all health professionals to the common goal of disease prevention and health promotion. In developed countries the clinical direction of Pharmacy has laid emphasis on the manipulative product-oriented and distributive skills and focuses more on the public health awareness. Today the Pharmacy profession has become highly patient-oriented which this has created much more opportunities for the pharmacists in hospital and community especially in the USA and the Middle East, while in Pakistan still 75% opportunities are in the industrial sector.

Faculty of Pharmacy has recently initiated ***Career Counseling Services*** in collaboration with Pharm-Evo Ltd. Around 400 students from batch I to III have been advised about their career. Currently 250 students of batch IV are being guided by this counseling service.

### **Research Activities**

The Faculty of Pharmacy has so far produced around 70 Ph.Ds and 175 M.Phils. Moreover around 1200 research papers have so far been published in reputed national and international journals by the faculty members. The Faculty takes keen interest in organizing lectures, seminars, conferences and workshops so as to share and update knowledge of the faculty members and students.

### **Publications**

To share the research conducted by the Faculty members the Faculty publishes a highly reputed journal entitled "Pakistan Journal of Pharmaceutical Sciences" recognized by the HEC in "W" category with an impact factor 728. Apart from this, an annual magazine namely "FARMACIA" is also being published which contains articles authored by the students on different topics. Besides, a newsletter "PHARMA TIMES", covering different activities in the Faculty, is also brought out every semester by the students.

**Dean, Faculty of Pharmacy**  
Prof. Dr. Ghazala H. Rizwani

- **Department of Pharmacognosy**

**Professors**

Dr. Mansoor Ahmad  
Dr. Ghazala H. Rizwani  
Dr. Waseemuddin Ahmed

**Associate Professor**

Dr. IqbalAzhar (Chairman)

**Assistant Professors**

Ms. Farah Mazhar  
Dr. Mohtasheem-ul-Hasan

- **Department of Pharmaceutics**

**Professors**

Dr. Fouzia Hassan, Chairperson  
Dr. NighatRizvi  
Dr. S. Baqir Hassan Naqvi

**Assistant Professors**

Dr. M. Harris Shoaib  
Ms. Shaista Hamid  
Dr. ShahnazGohar  
Dr. S. M. Fareed Hassan  
Dr.RabialsmailYousuf

**Lecturers**

Ms. SabahatJabeen  
Ms. RehanaSaeed  
Mr. NaeemMohammad

- **Department of Pharmaceutical Chemistry**

**Professor**

Dr. Muhammad Arif

**Associate Professors**

Dr. Faiyaz H M Vaid(Chairman)  
Dr. Kamran A. Chishti

**Assistant Professors**

Mr. Afaq Ahmed Siddiqui  
Dr. ShamimAkhtar  
Dr. NousheenMushtaq  
Dr. Sohail Hassan  
Dr. Mansoor Ahmed

- **Department of Pharmacology**

**Professor**

Dr. RafeeqAlam Khan (Chairperson)

**Associate Professor**

Dr. RahilaNajam

**Assistant Professors**

Ms. Tasneem Mariam  
Dr. SyedaAfroz  
Ms. Shamoona Tanveer

**Lecturers**

Ms. AfshanSiddiqui  
Ms. SadiaGhousiaBaig

**For Further Enquiry**

99261300-6 Ext: 2220

Website [www.uok.edu.pk](http://www.uok.edu.pk)

## Department of COMMERCE

### Introduction

The Department of Commerce University of Karachi has been instrumental in providing candidates with thorough knowledge and understanding of the principles of commerce and business. The BS (four years) and M.Com programs are structured on team based learning, class presentations, case studies, field research reports and other reference materials, to combine academic theory with practical problems, seminars and workshops on current economic and business issues are also organized in the Department.

### Degree Programs Available

Morning Program

- BS, M.Com, MS/Ph.D

Evening Program

- BS, M.Com. (General), M.Com (Insurance)

### Eligibility & Allocated Seats

#### Morning Program

**BS:** At least 45% in Intermediate or equivalent

**M.Com:** B.Com.

- Intermediate Commerce **30 seats**
- Intermediate Science & Arts **30 seats**

**M.Com:** **100 seats**

- Admissions to BS program are granted on the basis of an aptitude test.
- Minimum Qualifying marks in the entrance test is 50% (Fifty percent)
- Merit list of Candidates qualifying in the Entrance Test will be prepared for final selection as per following weightage:

- Prerequisite Academic Record 60%
- Entrance Test 40%

#### Evening Program

**BS:**

- Intermediate Commerce **30 seats**
- Intermediate Science & Arts: **30 seats**

**M.Com. (General):** **100 seats**

**M.Com (Insurance):** **60 seats**

### Facilities

Some of the basic facilities are Seminar Library, Computer Lab, Common Room, and Auditorium. Computer Lab is under the process of renovation and up gradation. The Seminar Library is fully equipped with latest books, magazines and research journals that help students enhance their knowledge and skills.

### Co-Curricular Activities

Other than the regular Academic Activities the Department of Commerce is also engaged in inviting guest speakers from Corporate Sector and also arranges Management Conferences every year. The department of Commerce is also engaged in holding debates and other such activities; which enhance the quality of Education.

### Teaching & Assessment

Students are provided with up-to-date knowledge through classroom lectures, seminars, conferences, case studies, class presentations and research reports. The program is assessed by a mixture of continuous assessment and examination.

### Career Opportunities

Students have an outstanding record of going on to jobs in business and management or working for them or studying further, we encourage work experience or job placements and internships. Our placement companies include PSO, Shell, Unilever, P&G, Indus Motor, Nissan Motor, SBP, other Banks and DFI's, PIA, SUPARCO, etc.

### Research Activities

The aim of the department is to provide a supportive research environment with senior academicians and research fellows working together on team based projects.

#### Faculty Members

##### Associate Professor

Ms. DilshadZafar, (Chairperson)

##### Assistant Professor

Dr. Tahir Ali

##### Lecturers

Mr. ZaeemaAsrar

Mr. ArfeenA.Siddiqui

Mr. HasanRaza

Ms. IfrahSaher

Ms. Sadaf Mustafa

Ms. Aysha Fareed

Mr. M. Farooq Aslam

##### Visiting Faculty

Mr. ShahabuddinLakhani

Mr. Abu Ahmed

Mr. UzairMirza

Mr. Mushtaq Madras Wala

### For Further Enquiry

Telephone: 9261300-06 Ext: 2213

Website: [www.ku.edu.pk](http://www.ku.edu.pk)

Email: [dz1312@hotmail.com](mailto:dz1312@hotmail.com)

**Department of  
PUBLIC ADMINISTRATION**

**Introduction**

Department of Public Administration was established in 1995 as a full-fledged department of University of Karachi. However in 1987, 2- year MPA program and 1-year PGDPA were initiated in the Department of Political Science. Realizing the significance of this study in the professional field, Department of Public Administration (DPA) was instituted separately. DPA started with PGDPA in evening sessions with specializing in Human Resource Management and Health Management. However, MPA has initiated specialization in HRM, Marketing, Finance, MIS and development strategies.

Realizing the value of Public Administration as a separate professional course, the University of Karachi initiated a new 2 year degree program. Recently, department of Public Administration played a significant role by representing University of Karachi at the meeting of University Grants Commission when specialization was approved for the MPA graduates. MPAs have double advantages over other graduates as they are not only aware of the administrative issues of public sector but they also know the ways and means to tackle the administrative dilemmas that confront the private sector.

**Degree/ Diploma/ Programs Available**

*Morning Program*

- BPA (Hons), MPA(Previous), MS / PhD

*Evening Program*

- BPA (Hons.), MPA (Prev.), MAS, PGDPA, MHRM, CPD course in HRM Marketing & MIS and Multiple short courses in HRM & Marketing.

**Eligibility & Estimated Seats**

*Morning Program*

- BPA (Hons.): Intermediate or equivalent **60 Seats**
- MPA(Prev.): Graduation **50 Seats**
- Minimum qualifying marks in the entrance test is 50%
- Merit list of Candidates qualifying in the Entrance Test will be prepared for final selection as per following weightage:
  - Prerequisite Academic Record 40%
  - Entrance Test 60%

*Evening Program*

- BPA (Hons.): Intermediate or Equivalent **60 Seats**
- DBA with Mathematics/DAE **10 Seats**
- MPA (Prev.) **50 Seats**

- MAS **120 Seats**
- PGDPA **120 Seats**
- MHRM **40 Seats**
- CPD course in HRM Marketing & MIS
- Multiple short courses in HRM & Marketing

**Facilities**

To facilitate the students, DPA has a well-equipped computer lab with internet facility, the seminar library with latest books & subscription of various leading magazines & journals, a seminar hall & conference room for workshops and presentations, prayer room & wide open lawns for out door activities.

**Teaching & Assessment**

DPA has a semester system with 4 months of teaching & 1 month of examination. Assessment includes hourly, mid-term, research projects, reports, presentations, internships & a final exam.

**Career Opportunities**

Because of dual significance of our program over other degrees, our graduates are highly appreciated & demanded by the practical market offering them various management positions in Public & private concerns, nationally & internationally in all kind of field ranging from public services to FMCGs, banking, education, telecommunication, etc.

**Research Activities**

DPA is flourished with a strong research environment with involvement of students in various research projects & reports, organizational visits, seminar & workshops and writing of research articles.

**Publications**

DPA publishes Annual Graduate Profile, two student magazines annually, "Ocular" & "Efficacy" in morning & evening programs respectively.

**Faculty Members**

**Professors**

- Dr. AbuzarWajidi (Dean)
- Dr. AkhterBaloch
- Dr. Kahlid Iraqi(Chairman)

**Assistant Professors**

- Dr. Shabib-ul Hassan

**Lecturer**

- Ms. AfsheenNizam
- Mr. ShahidZaheer
- Ms. SaimaAkhter
- Ms. Ghazal Khwajah Humayyun

**For Further Enquiry**

Telephone # 99261300-0 Ext3406, 2383  
 Website: [www.dpa.com](http://www.dpa.com) , [www.uok.edu.pk](http://www.uok.edu.pk)  
 Email: [dpa@uok.edu.pk](mailto:dpa@uok.edu.pk)

## KARACHI UNIVERSITY BUSINESS SCHOOL

### Introduction

Karachi University Business School (KUBS) was established in the year 1999-2000 because Institute of Business Administration (IBA a constituent of University of Karachi) was declared autonomous degree awarding institution.

KUBS within short period of eight years has become well established institution with good reputation and high image in the business world. MBA (Banking and Finance) two years professional program is also run jointly with Institute of Bankers Pakistan (IBP). The admissions of which are announced separately.

The mission of KUBS is prepare right leaders for the right organization. KUBS is committed to impart our students general management education focused on building a deep understanding of business, teaching with skill and passion. We intend to imbibe a spirit of entrepreneurship and creativity among our students and prepare them for a global community that is increasingly reliant on technology.

### Eligibility

#### *BBA (Hons) and MBA (Direct)*

1. Candidates must have passed their pre-requisite examinations in at least second division with 50% (Fifty percent) marks.
2. Minimum qualifying marks in the entrance test is 50% (Fifty percent)
3. Merit list of Candidates qualifying in the Entrance Test will be prepared for final selection as per following weightage:

- Prerequisite Academic Record 40%
- Entrance Test 60%

#### Allocated Seats

BBA (4 years)	<b>50 Seats</b>
MBA (Direct)	<b>50 Seats</b>

### Students' Attendance & Discipline

Almost full attendance is desirable in the interest of students themselves. However, leaving an allowance of exigencies like sickness, a minimum of 85% is required, according to the decision of Academic Council. A students having more than six absences in a course will not be allowed to take semester examination and he/she will get an "F" grade (failure) in the course concerned.

Discipline in regularity of attendance and classroom teaching is strictly followed. Faculty members are responsible to monitor and assure that rules and regulations are strictly adhered to by the students.

### Teaching and Assessment

1. In addition to regular faculty members, eminent faculty is also drawn from outside business organizations to share with students their practical experience especially in those courses which are practical oriented.
2. Case studies, class presentations, questions-answers session, seminars etc. are regularly conducted.
3. Periodical assessment of student performance through terminal exams, and final exam is done. Term papers and research reports are also produced in almost all courses by the students.

### Career Opportunities

Tremendous opportunities exist in the field of Banking, Finance, and Marketing in national and multinational organizations. Our graduates are in great demand and highly paid jobs are offered to them.

### Research Activities

With the starting of MS / Ph.D. programs we expect to extent research programs in future.

#### Faculty Members

##### Associate Professor

Dr. Abdul Rehman Zaki, (Chairman)

##### Assistant Professor

Ms. Shahnaz Baloch  
Dr. Danish Pirzada, Lecturer

##### Lecturers

Mr. Muhammad Asim  
Mr. Shameel Zubairi  
Ms. Kausar Qureshi  
Mr. Syed Fakhre Alam Siddiqui

##### Adjunct Professor

Dr. Ali Askari

### For Further Enquiry

Telephone # 99261300-6 Ext 2386

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Email: [kubs@uok.edu.pk](mailto:kubs@uok.edu.pk)

## *Department of* **CHEMICAL ENGINEERING**

### **Introduction**

**C**hemical Engineering deals with the application of physical sciences particularly Chemistry, Physics, and Mathematics to the process of converting raw materials or chemicals into useful and valuable forms at competitive prices. Chemical Engineering being a dynamic field is also concerned with the introduction of useful products, new materials and techniques, with due support of extensive research and development.

Chemical Engineering largely involves in the Design, Production and Maintenance of Chemical Process Industries. The development of the large-scale processes characteristic of industrial economics is also an important feature of Chemical Engineering. Indeed, Chemical Engineers are responsible for the availability of the modern high-quality materials that are essential for running an industrial economy.

In 1970 the Department of Applied Chemistry was established. To be more industrially oriented a program of Bachelor in Chemical Technology, a four years degree course, was launched from the same Department in 1985. BCT program was upgraded to Departmental level in 2004. From January 2007 the Department is offering B.E. in Chemical Engineering.

### **Degree Program Available**

- B.E. in Chemical Engineering.

### **Eligibility**

Inter Science with Chemistry, Physics, and Mathematics with at least 60% marks. Admission to be given on the basis of marks obtained in Inter-Science and test each having equal weightage.

**Allocated seats:** **40 seats**

### **Facilities**

The department is equipped with appropriate number of laboratories and workshop facilities to conduct practical as per prescribed course outline.

### **Teaching & Assessment**

The course consists of class room lectures plus laboratory practical. The courses are divided into 3 credit hours (without practical) and 4 credit hours (with practical). Four credit hours courses consist of 100 marks for theory and 50 marks for practical.

The assessment consists of a mid-term test (30 marks) and a terminal examination (70 marks). Practical examination consists of performance and viva conducted at the end of semester.

The final year students have to go for internship arranged by the Department for a period of six weeks in various Chemical Process Industries. Each candidate has to submit a report and deliver a seminar. Each final year student also has to prepare a design project of 200 marks.

### **Career opportunities**

There exists a wide scope of employment opportunities for Chemical Engineers from International companies to small locally based industries, from Petro-chemicals to wet processing of Textiles. Many Chemical Engineers work as consultant, managing their own companies even.

### **Faculty members**

Engr. Ms. ShaguftaIshtiaque (In-charge)  
Engr. Muhammad Yasir,  
Engr. Saeed Ahmed  
Dr. Fasihullah Khan,  
Engr. Dr. M. AsadHasan  
Engr. Dr. Khaliq Ansari  
Engr. QaysarRaza  
Ms. Kehkashan Nawaz  
Engr. S. Shahamat Ali Shah  
Engr. Furqan Ali  
Engr. M. Saquib Ali  
Engr. NusratKiran

### **For Further Enquiry**

Telephone # 99261300-6 Ext 2535

Website: [www.uok.edu.pk](http://www.uok.edu.pk)

Email: [ct@uok.edu.pk](mailto:ct@uok.edu.pk)

## *Department of* **AGRICULTURE & AGRIBUSINESS MANAGEMENT**

### **Introduction**

**D**epartment of Agriculture was initiated as BS-Program in Agriculture in 2004. It acquired the status of the Department in 2006 and renamed as Department of Agriculture and Agribusiness Management in 2008. The department offers specialized courses in “*Agribusiness Management*” and “*Plant Protection*”.

Agribusiness Management is a multi-disciplinary program that provides opportunities to a wide range of careers in the Agricultural and other land-based industries. It combines the study of agricultural sciences with the management skills providing an understanding of economic and business principles and their application to Agribusiness. This program is aimed to develop a range of personal and transferable skills, and critical appreciation of the techniques to assist effective execution of the agribusiness management function.

Courses offered for specialization in Plant Protection enables the students to acquire in-depth knowledge of pest and diseases affecting crop, vegetable, fruit and ornamental plants in the country as well as the management strategies to overcome the problem.

### **Degree Programs Available**

- BS& Honors with specialization in *Agribusiness Management or Plant Protection* 50
- M.S/M.phil/Ph.D.

### **Eligibility & Allocated Seats**

- *BS & Honors*: Intermediate Science or equivalent with at least 45% marks **50 seats**
- *M.S*: B.S. or Honors *Agriculture* **15 seats**
- *Ph.D.*: M.S. or M.Sc. *Agriculture*

### **Facilities**

The department is well equipped with modern teaching aids. It has facilities for research on topics related to fields of entomology, mycology and plant pathology as well. A seminar library with a good collection of books related to agriculture and agribusiness is also available.

### **Teaching and Assessment**

During the first two years, courses related to different fields of agriculture are taught to develop good background knowledge of the subject. From the third year, students can choose either *Plant Protection* or

*Agribusiness Management* as their field of specialization. Assessment is done as per semester rules that include midterm, make-up, terminal and lab examination or assignment. In the final semester, internship in either a research or agribusiness related organization and a project is mandatory.

### **Career Opportunities**

Specialization in Agribusiness Management would be helpful in getting jobs in agro-based national and multinational organizations as managers, consultants, supply chain coordinators, farm managers and accountants. It also provides an opportunity to enter self-employment largely within the farming or food sectors. Students specializing in Plant Protection have job opportunities in various research and service organizations like Plant Protection, PARC, PCSIR, NIAB, NIA, ARI, Seed testing and production organizations as well as in plant and pesticide related national and multinational organizations. They can also serve as farm managers.

### **Research Activities & Publications**

The department is actively involved in research. Research project on entomology, mycology and plant pathology sponsored by HEC and ALP-PARC are in progress. Several research students are also enrolled for M.Phil./Ph.D. programs. The faculty members and research students regularly publish research papers in journals of national and international repute.

### **Faculty**

#### **Professor**

Dr. Saleem Shahzad (Chairman)

#### **Adjunct Professors**

Dr. Jaffer Hussain Mirza

Dr. M. Jalauddin

Dr. M. Imtiaz

#### **Lecturer**

M. Talha Azeem

Syed Rameez Hasan Rizwi

Highly qualified faculty from PARC, corporate sector and various departments of KU is also hired as per the students' need.

### **For Further Enquiry**

Telephone # 99261300-6 Ext 2535

Website: [www.uok.edu.pk/agriculture](http://www.uok.edu.pk/agriculture)

Email: [sshahzad@uok.edu.pk.com](mailto:sshahzad@uok.edu.pk.com)

## *Department of* **APPLIED CHEMISTRY**

### **Introduction**

The department of Applied Chemistry was established in 1971 and was shifted to its new building in 1987. The courses have been designed keeping in view the need of the chemical industries of Pakistan and with due consideration of courses of foreign and local Universities offering similar program. Special emphases has been put on important chemical industries of Pakistan, for instance, fertilizers, refineries, cement, sugar, polymers, pharmaceuticals, textiles, etc. Due consideration has been given to important aspects of chemical engineering like unit operations, unit processes, quality control & instrumentation, thermodynamics reaction engineering, design engineering, material engineering, maintenance and environmental engineering, etc. Hence it is hoped that the graduate of this department will meet the needs of the chemical industries of Pakistan.

### **Degree Programs Available**

- B.S & Honors
- Masters
- MS/PhD

### **Eligibility & Allocated Seats**

Morning Program

#### B.S & Honors:

- H.Sc./A-Level (with *Physics, Chemistry & Maths*) **96 seats**
- DAE (Chemical Technology) **15 seats**

Masters: **12 seats**

M.S: BS/M.Sc. (Applied Chemistry) **10 seats**

Ph.D.: M.Phil./M.S. in related field

Evening Program

- B.S & Honors: H.Sc. /A-Level (with *Physics, Chemistry & Maths*) **45 seats**

### **Facilities**

Seminar Library equipped with most recent books various subjects, Computer Lab and facilities of DSL internet accessing facility, well equipped laboratories for undergraduate and graduate level courses.

### **Teaching and Assessment**

Medium of teaching is English, Four year B.S. program 2 semester each year, Assessment 30 marks makeup/midterm, 50 marks terminal, 20 marks for lab / Assignment.

### **Career Opportunities**

Excellent job opportunities exist in industries of Pakistan and abroad manifested with excellent research opportunities in various fields of modern life.

### **Faculty Members**

#### **Associate Professors**

Dr. Mehdi HasanKazmi (Chairman)  
Dr. Riaz Ahmed

#### **Assistant Professors**

Mr. Abdur Rashid  
Mr. M. Ashraf Kamal  
Ms. ShaguftaAfaq (F.S.L)  
Mr. MohibRazaKazmi (F.S.L)  
Dr. Mumtaz Danish Naqvi

#### **Lecturers**

Mr. ZahidFarhad (F.S.L)  
Ms. Farah Inamullah  
Ms. NausheenYaseen  
Ms. Farah Siddiq  
Ms. Sadia Khan  
Mr. Rizwan Qasim  
Mr. Kashif Riaz  
Ms. Mahwish Mohsin Khan  
Ms. Maryam Muddassir  
Ms. Sadia Amber

### **For Further Enquiry**

Telephone # 99261300-6 Ext 2227

Website: [www.uok.edu.pk](http://www.uok.edu.pk)

## Department of APPLIED PHYSICS

### Introduction

Behind establishing the department of Applied Physics, the objective was to teach and train students to meet the growing technological needs of the industries of Pakistan in the area of Applied Physics. Over the years emphasis has shifted towards Electronics and semiconductor technology. The syllabus has been continually updated to keep abreast with development in the technology.

The department prepares students to face challenges of the modern technologies in the field of Electronics and Semiconductors. The curriculum provides in depth understanding of the subjects such as *Analog and Digital Electronics, Industrial Electronics, Semiconductor Devices, Communication systems* including Microwave and optical fiber communications.

Microprocessor/Microcontroller and Digital Signal Processors (DSP) are hubs of intelligent electronic systems. So a comprehensive scheme of study and applications is provided for these subjects.

In order to teach practical aspect of electronics and give hands-on experience, laboratories have been equipped with latest equipment. The laboratory training begins with circuits related to basic Analog Electronics, progressively perform experiments on Digital Electronics, Industrial Electronics and finally develop a single board computer based on microcontroller. The students are also trained on Programmable Logic Controllers (PLC) through the use of software and hardware simulators. Similarly, they are trained in the field of communications using Communication training kits.

### Degrees offered

- BS and Honors with specialization in Electronics
- Masters with specialization in Electronics

### Eligibility & Allocated Seats

BS & Honors: H.S.C./A level with Physics and Mathematics **40 seats**

Masters: B.Sc./BE or equivalent with Physics and Mathematics **60 seats**

- Admissions to BS/Honors and M.Sc. are granted on the basis of an aptitude test.
- Minimum qualifying marks in the entrance test for BS/Honors or M.Sc. is 50%.
- Merit list of Candidates qualifying in the Entrance

Test will be prepared for final selection as per following weightage:

- Prerequisite Academic Record 50%
- Entrance Test 50%

### Facilities

There has been continuous up gradation of laboratories in the department. In addition to general purpose laboratories where students perform experiments on circuits based on Analog and Digital electronics, separate laboratories are established for training. These include *Computer Laboratory* which is equipped with latest branded computers, connected through LAN. *Communication Laboratory* has trainers to train students on Microwave and optical fiber communication systems. *Programmable Logic Controller (PLC)* is equipped with PLCs from Siemens and Ge-Fanuc. Students use Software and Hardware simulators to develop and verify programs. Cargo lift, Conveyor belt and process models have been developed indigenously that are controlled by the PLC. *Embedded systems laboratory* is facilitated with software and hardware tools such as VHDL, Electronic Design automation to develop embedded systems. Computer Controlled (CNC) PCB prototyping machine, Logic Analyzer, FPGA and DSP kits are available for development of applications. *Semiconductor Research Lab* has instruments such as thin film coating unit, CV analyzer, Spectrometer, Lock-In-Amplifiers etc. for research in the field of semiconductor.

### Carrier Opportunities

A wide range of employment opportunities are available to the graduates of the Applied Physics, from public sector organizations to multinational and national industries and research organizations.

### Faculty

#### Professors

Dr. Najeeb Siddiqui (LPL)  
Dr. Shahid H. Zaidi (Re-employed)  
Dr. M. Ayub Khan Yousufzai (Adjunct Professor)

#### Assistant Professors

Mrs. Farida Qazi (Chairperson)  
Mr. Abid Hussain (SIL)  
Mr. Arshad Hussain  
Dr. Zeeshan Alam Nayyar (FSL)

#### Lecturer

Mr. Zia-ur-Rehman  
Mr. S. Mamnoon Akhter  
Mr. Faisal Rafique

### For Further Enquiry

Phone: 99261300-6 Ext: 2258, 2564  
E-mail: [najsiddiqui@uok.edu.pk](mailto:najsiddiqui@uok.edu.pk)

## *Department of* **BIOCHEMISTRY**

### **Introduction**

The department of Biochemistry is the producer of largest number of biochemists in Pakistan. The department was established about 46 years ago and is currently awarding BS (Hons), BS, M.Sc., M.Phil./MS and Ph.D. degrees. The department also caters for the subsidiary requirement of students in allied biological subjects. The academic staff of the department consists of well-qualified and devoted teachers out of which 17 have Ph.D. from foreign or national universities.

### **Degree Programs Available**

- BS & Honors
- Masters
- MS/Ph.D.

### **Eligibility & Allocated Seats**

#### Morning Program

*BS & Honors:* H.Sc. (Pre-medical) **70 seats**

*Masters:* B.Sc. with *Biochemistry* or B.Sc. (*Medical technology*) with *Physiology and Biochemistry* **40 seats**

*MS:* BS / M.Sc.

*Ph.D:* M.Phil./MS

#### Evening Program

*BS & Honors:* H.Sc. (Pre-medical) **70 seats**

### **Facilities**

The department is facilitated with well-equipped laboratories. Lending Library of the department proves to be a good source of knowledge and reference material for students as well as the faculty members. A comfortable common room for girls provides privacy in a relaxed environment.

### **Carrier opportunities**

Graduates of Biochemistry usually get employment in well-known Pharmaceutical and food industries of Pakistan. Countless opportunities are available in clinical Laboratories, research institutes and teaching Institutions.

### **Research Activities & Publications**

The department offers research courses and research thesis at BS, MS & Ph.D. level.

The department faculty publishes about 40-50 research articles per year in national and international Journals and is efficient in presenting papers in seminars and symposia.

### **Faculty Members**

#### **Professors**

Dr. Darakhshan J. Haleem (Dean Science)  
Dr. Nikhat Siddiqui  
Dr. Naheed Akhter (Chairperson)  
Dr. Viqar Sultana  
Dr. Tabassum Mahboob  
Dr. Samina Bano  
Dr. Tahira Perveen  
Dr. Saida Haider

#### **Assistant Professors**

Dr. Siddiqah Jamal  
Dr. Hajra Naz  
Dr. Farhat Batool  
Dr. Shamim Akhter  
Dr. Sajjad Haider  
Dr. Erum Shireen

#### **Lecturers**

Ms. Sadia Saleem  
Dr. Asma Khan (on SL)  
Ms. Sadaf Naeem (SL)

#### **Adjunct Professors**

Prof. Iqbal Mehmood Kidwai  
Prof. Dr. Shakila Jahangeer

#### **Visiting Staff**

Prof. Dr. Abid Azhar

### **For Further Enquiry**

Phone: 99261300-6 Ext: 2289

E-mail: [www.uok.edu.pk](http://www.uok.edu.pk)

## Department of BIOTECHNOLOGY

### Introduction

The Department was established in 1996 with an objective of imparting quality education in the multidisciplinary field of Biotechnology at both undergraduate and postgraduate levels.

Biotechnology is defined as the application of biological systems to basic and technical and industrial processes. These processes are based on the use of some form of biological catalyst in the conversion of a substrate to a desired product. These biological catalysts are simple as enzymes or highly complex microorganisms or eukaryotic cells.

Biotechnology includes a wide range of activities. Each activity is associated with its own starting material (bacterial, fungal, yeast, plant or animal cells or enzymes), technical manipulation (cell fusion, cell or enzyme immobilization, genetic engineering, etc.), processes (continuous and batch fermentation), and scale (small to very large), which are unique to that activity.

### Scope of Biotechnology

Biotechnology can be viewed as a group of useful, enabling technologies with wide and diverse applications. It has large, highly profitable, modern industrial outlets of great value to society e.g., DNA recombinant technology, most revolutionary branch of the modern science and have a profound impact on medicine, contributing to the diagnostics and cure of hereditary defects and serious disease and the development of new biopharmaceutical drugs and vaccines for human and animal use. It also deals with the modification of microorganisms, plants and farm animals for improved and tailored food production and to increased opportunities for environmental remediation and protection.

New technologies dealing with plant and animal breeding are much faster and have lower costs. Genetically modified crops are growing exponentially. The field is further exemplified with the industrial production of enzymes like proteases, amylases, celluloses and lipases, industrial manufacturing plants for milk and milk products, alcohols, organic acids, antibiotics,

vitamins, growth promoting factors and monoclonal antibodies.

### Degree Programs Available

- BS & Honors
- Masters
- MS/Ph.D.

### Eligibility & Allocated Seats

- ***BS & Honors:*** Intermediate (*Pre-Medical/ Pre-Engineering*) **60 seats**
- ***Masters:*** B.Sc. with one subject being Microbiology or Biochemistry **50 seats**

➤ Admissions are granted on the basis of an aptitude test. Proficiency in English language shall form part of the test.

➤ Minimum Qualifying marks in the entrance test is 50% (Fifty percent)

➤ Merit list of candidates qualifying in the Entrance Test will be prepared for final selection as per following weightage:

- Prerequisite Academic Record 50%
- Entrance Test 50%

### Faculty

A highly qualified faculty including visiting professors from allied departments and sister organizations are involved in imparting quality education.

#### Associate Professor

Dr. Mustafa Kamal (Chairman)

#### Assistant Professor

Ms. Syeda Mariam Siddiq

#### Lecturers

Mr. Syed Amir Iqbal (SL)

Ms. Raheela Rahmat

Ms. Shumaila Rashid (SL)

Ms. Erum Hanif

Ms. Shafaq Aiyaz Hassan

### For Further Enquiry

Phone: 99261300-6 Ext: 2474, 3474

E-mail: [www.uok.edu.pk](http://www.uok.edu.pk)

## Department of BOTANY

### Introduction

The Department of Botany at University of Karachi was established in 1953. It offers over 90 different courses of studies at the undergraduate and post graduate levels to cater the human resource requirements for teaching and research in the fields of education, agriculture, environmental NGOs, pharmaceuticals and other industries. In the first and second year the students begin by taking Botany as a major subject together with two subsidiary subjects in other departments of the University. Commencing with the diversity of plant life, an outline of the classification of plants, their identification, structure and function, it continues with genetic basis of variation and evolution of plants.

In their final year of study, students specialize in one of the branches of Botany that include *Applied Botany, Mycology & Plant Pathology, Plant Physiology, Plant Ecology, Phycology & Marine Botany and Plant Taxonomy*.

### Degree Programs Available

- BS & Honors
- Master
- MS/Ph.D

### Eligibility & Allocated Seats

BS & Honors: Intermediate Pre-Medical or equivalent **100 seats**

Masters: BS/Honors **50 seats**

MS: BS/M.Sc. in Botany and allied subjects

PhD: MS/M.Phil. in Botany **50 seats**

### Facilities

The Department is fairly well equipped with all necessary and modern lab and library facilities. It has also facilities for research on topics related to different fields in plants sciences and mycology (including plant pathology). The Karachi University Herbarium in the Department of Botany has a collection of more than 150,000 plant specimens collected from different regions of Pakistan besides a large collection of specimens of algae and fungi. The departmental seminar library has a good collection of text books and research papers.

### Teaching & Research

The department of Botany at the University of Karachi has developed a large and productive

research and teaching group in plant sciences. Members of the faculty are working in many specialized fields of plant sciences and are endeavoring to enhance our knowledge of the plant world. Member of the teaching staff have completed about 50 research projects with the support of national and international funding agencies. Currently several research projects are in progress.

### Career Opportunities

Specialization in different branches of plant sciences offered by the Department is helpful in getting jobs in agriculture based organizations, teaching in various colleges and universities and in environmental NGOs like WWF and IUCN.

### Publications

More than 2000 research papers have been published in journals of international repute by the teachers and researchers of the Department. The Pakistan Journal of Botany and International Journal of Biology and Biotechnology are also published from the Department of Botany, University of Karachi.

### Faculty Members

#### Professors

Dr. M. Ajmal Khan (Presently on lien at Institute of Halophytes)

Dr. Muhammad Javed Zaki

Dr. Surayya Khatoon (Chairperson)

Dr. Syed Ehtesham ul Haque

Dr. Anjum Parveen

Dr. Aliya Rehman

Dr. Raiha Qadri

Dr. Shahnaz Dawar

#### Associate Professors

Dr. Bilquees Gul

Dr. Rubina Abid

#### Assistant Professors

Dr. Seemi Aziz

Mrs. Rubina Iqbal

Dr. Irfan Aziz

Dr. Salman Gulzar

Dr. Zamin Shaheed

#### Lecturers

Ms. Neelofer Hamid

Ms. Maria Hamid

Mrs. Amna Ahmed

Ms. Sadaf Gul

### For Further Enquiry

Phone: 99261300-6 Ext: 2288

Website: [www.uok.edu.pk/botany](http://www.uok.edu.pk/botany)

## Department of CHEMISTRY

### Introduction

Chemistry is a central science which helps in understanding the origin of life and suggest ways to use non-living things for giving comfort to life. Chemical orientation cannot be imparted in isolation and has to be developed through a cocktail of physics and biology on one hand and engineering and applied sciences on the other. The Department of Chemistry, University of Karachi is well equipped for pursuing this goal having skilled and proficient faculty, well equipped laboratories and other infrastructure. This department is one of the oldest departments of University of Karachi.

### Degree programs Available

- BS & Honors (Morning & Evening)
- Masters (Morning & Evening)
- MS/Ph.D

### Eligibility & Allocated seats

#### BS & Honors:

- Intermediate Science **120 seats**
- DAE **05 seats**

Masters: B.Sc. (with Chemistry Pre-Engg) **30 seats**  
Pre-Medical/Geography/Geology **70 seats**

### Facilities

The seminar library has a stock of about 10,000 books and research journals on various fields of chemistry. The Department of Chemistry is equipped with many modern instruments for training of students for challenging careers and research. These include, pH/Ion meters, conductometers, polarimeters, refractometers, potentiometers, electrochemical analyzers, HPLC, atomic absorption spectrometers, UV-Visible spectrophotometers, FTIR Spectrometers, Guoy Balance for magnetic susceptibility measurements, flame photometers, computers, deionizers, analytical balances, ovens, furnaces, centrifuges as well as a substantial stock of glassware and chemicals. A modern instrument laboratory has been furnished to house the new atomic absorption spectrometer, HPLC, GC, GC-MS nuclear magnetic resonance spectrometer as well as some other modern instruments. The department of chemistry has internet facility in almost every room/lab class rooms.

### Teaching and assessment

Teaching is done while following the semester system. An academic year is divided into two

semesters of approximately 16 weeks duration. Assessment includes midterm/ make-up, terminal and lab / Assignment.

### Career opportunities

A person with a degree in chemistry has a wide choice of employment opportunities especially in the textile & Pharmaceutical Industry, Clinical laboratories, Oil refineries Chemical industry, Paint industry, Cement industry, Beverages & Food product industry, Analytical & instrumental services, agencies and Polymer industry.

#### Faculty members

##### Professors

Dr. Shaikh Sirajuddin Nizami  
Dr. Syed Azhar Ali  
Ms. Shaista Jabeen  
Dr. Dilshad Waqar  
Dr. Zahida Khalid  
Dr. Majid Mumtaz  
Dr. Rahat Sultana  
Dr. Fouzia Sultana Rehmani

##### Associate Professors

Dr. Hajira Tahir  
Dr. Rehana Saeed  
Dr. Nasreen Fatima  
Dr. Nasir Uddin Khan  
Dr. Rafia Saeed

##### Assistant Professors

Ms. Masooda Qadri  
Mr. Muti ur Rehman  
Dr. Sumayya Saeed  
Dr. Azhar Siddiqui (F.S.L)  
Dr. Shaikh Mohiuddin (S/L)  
Dr. Munawar Rashid  
Dr. Firdous  
Dr. Itrat Anis  
Dr. Rashida Perveen (T)  
Dr. Uzma Ashiq (T)  
Dr. Reifat Ara Jamal (T)  
Dr. Shazia Nisar (T)  
Dr. Zahida Kareem (T)  
Dr. Imran Ali Hashmi

##### Lecturers

Ms. Hamida Sultan Muhammad (S/L)  
Ms. Noorin Siraj (S/L)  
Ms. Humaira Bano

### For Further Enquiry

Telephone No. 99261300-7, Ext. 2290

Email: [chemistry@uok.edu.pk](mailto:chemistry@uok.edu.pk)

Website: [www.uok.edu.pk/faculties/chemistry](http://www.uok.edu.pk/faculties/chemistry)

[www.chemuok.com](http://www.chemuok.com)

## *Department of* **COMPUTER SCIENCE**

### **Introduction**

The Department of Computer Science was initiated teaching in academic year 1985-86 by offering a two year degree program, Masters in Computer Science (MCS) and became one of the pioneering institutions imparting quality education of Computer Science and IT in Karachi.

The department soon realized the need to strengthen the discipline of Computer Science by producing high quality professionals with sound fundamental knowledge. For this purpose, the department started a four year degree undergraduate program BS (Computer Science) (BSCS) in the year 1996, and a two year postgraduate program MS (Computer Science) as well as PhD (Computer Science).

### **Degree Programs Available**

- BS Computer Science (Morning / Evening)
- BS (Software Engineering) (Evening)
- PGD
- MCS
- MS/PhD

### **Eligibility & Allocated Seats**

Morning Program

BS (Computer Science) **120 seats**

- HSC with Mathematics or equivalent with at least 55% marks
- DAE (Mechanical/ Electrical/ Electronics) with at least 65% marks

Masters: BCS from institutions affiliated with University of Karachi or equivalent with minimum 2.5 CGPA. **70 seats**

Evening Program

BS (Computer Science) **110 seats**

BS (Software Engineering) **110 seats**

- Admissions to BS(H) and Masters programs are granted on the basis of an aptitude test. Sample test paper and other relevant information is available at [www.uok.edu.pk/dcs-ubit](http://www.uok.edu.pk/dcs-ubit)
- Minimum qualifying marks in the entrance test for BS program is 50%.
- Merit list of Candidates qualifying in the Entrance Test will be prepared for final selection as per following weightage:
  - Prerequisite Academic Record 40%
  - Entrance Test 60%

### **Facilities**

*Computer Lab Facilities:* The new building of Department of Computer Science is fully equipped with latest equipment for students to get hands-on experience on different platforms of both hardware and software fields of computer science. Each lab is equipped with latest high end user computing facilities. Highly sophisticated equipment in VLSI lab is available which help students in chip designing and development. Computer network lab is also equipped with best available internetworking devices.

*Seminar Library:* The Department also provides an in-house seminar Library facility which contains more than a thousand books on Computer Science/IT subjects along with IT/CS magazines, journals & periodicals.

### **Career Opportunities**

Excellent career opportunities exist for the graduates of Department of Computer Science. More than 80% of graduates are immediately hired by top ranking software houses and other institutions.

### **Research Activities & Publications**

The department has produced several PhDs during the past few years. These active researchers are engaged in research activities all the year. As a result, many publications in reputed international journals and conferences are presented each year.

### **Faculty Members**

#### **Meritorious Professor**

Dr. S. M. Aqil Burney

#### **Assistant Professors**

Mr. Badar Sami (In-charge)

Mr. Syed Jamal Hussain

Dr. M. Sadiq Ali Khan

Dr. Nadeem Mahmood

Dr. Tahseen Ahmed Jilani

#### **Lecturers**

Dr. Tafseer Ahmed (SL)

Mr. Syed Asim Ali

Mr. Farhan Ahmed Siddiqui

Mr. S.M. Khalid Jamal

Ms. Erum Shahid

Mr. Hussain Saleem (SL)

Ms. Humera Tariq

Mr. Muhammad Naveed Anwer

Mr. Muhammad Sajid (SL)

Mr. Muhammad Saeed

Mr. Jameel Ahmed (SL)

### **For Further Enquiry**

Telephone: 99261300-6 Ext: 2462 / 3462

Website: <http://www.uok.edu.pk/dcs-ubit>

Email: [info@uok.edu.pk](mailto:info@uok.edu.pk)

## **Department of FOOD SCIENCE & TECHNOLOGY**

### **Introduction**

The Department was established in 1994 and to cater to the need of the fast growing food industries in the country and also to meet the ever growing demand for food scientists & technologists in government, research and educational establishments. Prof. Dr. Rashda Ali was the founder of the Department and she was the first Chairperson of Food science and Technology from 1994 to 1998. The department over the years has developed research in collaboration with universities in Germany, Britain and USA. It constantly arranges workshops and seminars on Food Science. The department enjoys a very good rapport with both National and Multinational food industries in Pakistan.

The department has the following aims & objectives:

- To produce qualified food technologists for Food industries, teaching and research organization.
- To establish links between Teaching/ research institutions, government, commercial organizations and consumers.
- To preserve, process and manipulate the agricultural crops to avoid post harvest losses.
- To protect our environmental condition from deterioration of food.
- To introduce novel, nutrition's economical value added food products for local consumption and export.
- To incorporate the food industry waste for new products development.
- To provide consultancy and advisory services of food industries
- To provide diagnostic analysis of food products.
- To establish international collaboration with food science departments and food processing industries by exchanging of students & staff.
- To organize function for creating awareness about the importance of safe processed nutritious food.

### **Degree Programs Available**

- BS & Honors (Morning & Evening)
- MS leading to Ph.D.

### **Eligibility & Allocated Seats**

**BS & Honors:** Intermediate science (with Chemistry) or equivalent

- Pre-Medical                    **26 seats**
- Pre-Engineering            **06 seats**

**MS:** M.Sc. / BS

### **Facilities**

The new building for the Department Food Science & Technology comprises on eight major laboratories, equipped with all basic facilities. The laboratories include Food Engineering lab, Food Chemistry Lab, Food Microbiology Lab, Food Quality Control Lab, Food Analysis Lab, Food Biochemistry Lab, Analytical Lab and Computer Lab.

**Seminar Library:** With About 1000 books and studying facilities and computerized catalog.

### **Career Opportunities**

The Degree holders may work as Food Technologist, Food Engineer, Food Chemist, Food Analyst, Production Manager, Quality Control Manager, Quality Assurance Officer, Product Application Officer, Food Inspector and Food Researcher in the areas of food Pharmaceutical and Cosmetic Industries, ministries of Health, Education, food & agriculture and Science & Technology, academic and research organizations etc.

### **Research Activities**

Numerous research activities and problem related with public concerned and food industries conducted time to time. These researches publish in national and international reputed journals.

### **Faculty Members**

#### **Professors**

Dr. M. AbidHasnain  
Dr. JehanAra (Chairperson)  
Dr. Syed AsadSayeed

#### **Assistant Professors**

Mr. RehmanullahSiddiqui  
Dr. ShaheenaNaz

#### **Lecturers**

Ms. FaizaAbdurRab  
Mr. MehmoodAzam  
Mr. FerozAlamJafri  
Ms. Ayesha Siddiqui  
Ms. Tahira Mohsin Ali  
M. Abdul Haq

### **For Further Enquiry**

Telephone: 99261300-6 Ext: 2613

Website: [www.uok.edu.pk](http://www.uok.edu.pk)

***His Highness Dr. Syedna Burhanuddin***  
**Department of**  
**GENETICS**

**Introduction**

The science of Genetics started out as a study of inheritance of traits from parents to offspring in the early 20<sup>th</sup> century. Recently the life-sciences in general have emerged as multidisciplinary subjects and genetics has now been recognized as the single most fundamental science among all of the life-sciences. Due to the exponential pace of advancement that genetics has enjoyed in the past few decades, especially after the Human Genome Project, it is now finding more and more applications in the health sciences. During the course of its development genetics has a firm foothold in improving the quality of all kinds of biological produce. Moreover, its new role as a genetic-tool has allowed many allied sciences to reach new heights especially in the industrial applications of living things collectively called biotechnologies and also cloning, and gene therapy.

The Department of Genetics was established in 1969 at the University of Karachi, offers the degrees of M.Sc., MS and Ph.D. in Genetics. A bachelor's program is expected to start soon. All of these programs are conducted by a staff consisting of highly qualified faculty that includes seven PhDs.

The department takes great pride in maintaining an intellectual and cognitive atmosphere in order to promote learning and to provide to its students an experience they will remember fondly for the rest of their lives.

**Eligibility & Allocated Seats**

**Masters:**

**72 seats**

- B.Sc. with Biology subjects including Zoology, Botany, Microbiology, Biochemistry, Physiology, and Chemistry.
- B.Sc. with Psychology, Geography, Geology or Statistics with any two subjects mentioned above.
- B.Sc. Medical Technology, B.Sc. Agriculture, B.Pharm. or equivalent.
- B.Sc. (Honours Biology Group) second year with an application for conversion through chairperson.

**Facilities**

In addition to the standard learning facilities the department maintains an in-house seminar-library as well as computer clusters in the Bioinformatics Lab. Some in-house recreational facilities are also

available for healthy activities of the students. There are four research labs for MS and PhD students.

**Teaching and Assessment**

Undergraduate students learn in a conducive and comfortable environment with modern teaching aids in classrooms and labs as well as computer labs. Assessments are done as university policies.

**Career Opportunities**

Since late, Genetics is being applied in many diverse fields of science and industry. Main application of genetics include: medical diagnostics; enhancement of agricultural, livestock, and poultry products; industrial microbiology and biotechnology. There are many fields in the industry requiring manpower highly skilled in genetics in general, genetic engineering and molecular biology in particular.

**Research Activities**

With a focus on the genetic phenomena in nature various different research programs exist including microbial genetics, plant genetics, human genetics and biotechnology involving all the teaching faculty of the department.

**Publications**

All of the faculty members of the department have contributed numerous publications to scientific knowledge nationally and internationally.

**Faculty Members**

**Professors**

Ms. TalatHaider

**Adjunct Professor**

Dr. Ahsan A. Vahidy

**Associate Professor**

Dr. Obaid Y. Khan (Chairman)

Dr. Fouad M. Qureshi

Dr. Maqsood A. Ansari

Dr. UzmaBadar

Dr. Erum Shoaib

Dr. Nadia

**Assistant Professors**

Dr. ShakeelurRehman. Farooqui

Ms. SimeenMansoor

Ms. TazeenMohsin

**Lecturers**

Ms. Ayesha Riaz

Ms. Sarwat Afshan

Ms. Shumaiza Aziz

**For Further Enquiry**

Telephone:99261300-06 Ext 2218/3218

E-mail: [genetics@uok.edu.pk](mailto:genetics@uok.edu.pk)

Website:[www.uok.edu.pk/faculties/genetics](http://www.uok.edu.pk/faculties/genetics)

*Department of*  
**GEOGRAPHY**

**Introduction**

**D**epartment of Geography is one of the premier departments of University of Karachi, established in November 1952. Internationally recognized geographers and teachers including the young and enthusiastic faculty members have eminently served the Department. Department of Geography organizes teaching for the Graduate and Post Graduate courses including MS /M.Phil and Ph.D. programs.

**Degree Programs Available**

- BS & Honors
- Masters
- MS / M.Phil./ PhD

**Eligibility & Allocated Seats**

BS & Honors:

- Intermediate Pre-Engineering **60 seats**
- Intermediate Pre-Medical **30seats**
- Intermediate Arts **30seats**

Masters:

- Science group **25 seats**
- Arts group **20 seats**

MS: M.Sc or BS in Geography **10 seats**

Ph.D.:MS /MPhil (Geography) or **02 seats**  
MS (RS/GIS) + BS (Geography)

**Facilities**

- Building (Housed in 21 rooms including lecture rooms)
- Remote Sensing & GIS Labs
- Physical geography lab
- Meteorological Lab.
- Prehistoric Museum
- Seminar Library

**Career Opportunities**

Geography graduates with Master's degree generally find useful employment in many major fields, *i.e.*, education, environment, administration, and private organizations. Development authorities and agencies throughout the country utilize their specialty and expertise. In particular government departments, *i.e.*, Survey of Pakistan, GSP, Statistical Bureau, Population Census, SUPARCO, Archeological Department, Meteorological Department, Planning Commission, and provincial departments of planning and development have employed geographers for their special skills. Private consulting firms and Non-governmental Organizations (NGOs) also utilize the

expertise of geographers. There are various fields of application in Pakistan where geographer could excel successfully.

**Postgraduate Research**

Produced: 19 Ph.D. 6 M.Phil.

Current enrollment:

- M.Phil. / Ph.D.(21 students)
- MS (RS/GIS) (117 students)

**Publications**

- Journal occasionally published by the Department
- Faculty Publications: More than 300 articles published in the journals of international repute.

**Faculty**

**Professors**

Dr. Khalida Mahmood (Chairperson)  
Dr. Farkhunda Burke  
Dr. Jamil Hassan Kazmi  
Dr. Azra Parveen Azad

**Assistant Professors**

Dr. Syed Shahid Ali  
Dr. Shamshad Akhtar  
Ms Sheeba Afsar  
Dr. Saima Shaikh

**Lecturers**

Ms. Anila Kausar  
Ms. Yasmeen Anis  
Ms. Lubna Ghazal  
Ms. Salman Zubair

**For Further Enquiry**

Telephone: 9926 1300-06 Ext: 2292

Website: [www.kugeography.com](http://www.kugeography.com)

[www.uok.edu.pk](http://www.uok.edu.pk)

Email: [drkhalidamahmood@hotmail.com](mailto:drkhalidamahmood@hotmail.com)

## *Department of* **GEOLOGY**

The Department of Geology, University of Karachi is one of the oldest institutes for teaching of geology in Pakistan which started functioning in 1954. The department has a spacious building which contains many laboratories and classrooms. Among the universities of Pakistan, it has one of the most impressive geology museums. This museum houses a large collection of valuable rocks, fossils and mineral specimen. For students of geology these serve as reference geological samples. The Department has produced a large number of graduates who hold key positions in national and multinational organizations.

### **Degree Programs Available**

- BS & Honors
- Masters
- MS/Ph.D.

### **Eligibility & Allocated Seats**

***BS & Honors:*** Intermediate Science (Pre-Medical / Pre-Engineering) **75 seats**

***Masters:*** B.Sc. with Geology **15 seats**

### **Career Prospects**

BS Degree holders of geology from this university can choose careers as petroleum geologist, engineering geologist, marine geologist, geochemist geophysicist, environmental geologist. In all national and multinational oil companies, a large number of petroleum geologists from Karachi University are engaged in exploration activity. Engineering geologist are required to investigate the foundations for all large civil engineering projects such as dams, motorways, power plants and high rise buildings. Engineering companies and government agencies employ engineering geologist and hydrogeologists for developing groundwater resources, resolving environmental issues and for assisting in better planning.

Courses in oceanography and marine geology are offered to prepare our graduates to explore ocean resources. They have a career in oceanographic institutes, coastal development authorities and offshore oil exploration companies.

Geophysics and geochemistry are interdisciplinary sciences. Principles of physics and chemistry are applied in understanding the constitution and the dynamics of the earth. These subjects are for

monitoring of environmental problems and essential tools in oil and mineral exploration.

### **Facilities**

The Department has a wide range of Technical and laboratory facilities. There are well equipped research/teaching laboratories geochemistry, petrology and engineering geology. Department also houses a seminar and a reference library with small but up-to date collection of books and journals. It is the only department in the country that offers courses in marine geology.

**Lab facilities available for higher students and research:** Geochemistry, Engineering Geology, Sedimentology, Marine Geology and Petrology

**Extra-curricular Activities:** For healthy and creative activities of students department organize various events. Faculty member as a student advisor coordinates regularly with student affair department of Karachi University in this regards. Student advisor in the department helps student in academic matters, career counseling, and sports activities and to facilitate student's individual matters.

Study visits cum recreation programs in different parts of Karachi are permanent activities of this department. During students week students are given all opportunities to express their imaginative, creative and artistic potentials. Pakistan tour is also an important event where students get the chance to observe and understand the different cultures of Pakistan and its scenic places.

### **Faculty Members**

#### **Professors**

Dr. M. Niamatullah (Chairman)

Mr. Shamim A. Sheikh

Dr. Viqar Husain

Dr. ShahidNaseem

Dr. Ather Ali Khan

#### **Associate Professors**

Mr. Gulraiz Hamid

Mr. Nadeem A. Khan

Mr. Mujeeb Ahmed

#### **Assistant Professors**

Mr. Muhammad Bilal

Dr. Erum Bashir

#### **Lecturers**

Ms. TayyabaShaheen (SL)

Ms. SadafNaseem

Mr. Adnan Khan

Ms. Salma Rafi

### **For Further Enquiry**

Telephone: 99261300-6 Ext. 2295

Website: [www.uok.edu.pk](http://www.uok.edu.pk)

## **Department of HEALTH & PHYSICAL EDUCATION**

### **Introduction**

**P**hysical Education is a way of education by means of physical movement. From Molecular Biology to Material Sciences nothing of value can be expected from a society if the teaching and research in Health and physical education is ignored or if it is relegated to a secondary status. Being a natural phenomenon, movement is the essence of life and the entire mechanism of human body is geared to it. Experts believe that exercise is also as important as food. While food provides necessary energy for the body, exercise tones up the human organism so that it can utilize this energy in a better way. Since a healthy body is necessary for a healthy mind, physical education as a discipline is more intimately concerned with human development than educational disciplines.

Physical fitness is not only a concept but it reflects a practical approach to human betterment in terms of health. The survival of a nation is undoubtedly dependent on physical fitness which ensures general proficiency in all walks of life, and is inevitably linked with better economic growth. It is needless to emphasize the importance of physical education as a discipline as it already stands recognized at the university level. All the advanced countries, realizing its virtues and benefits, have included this subject as an essential part of curriculum at all levels of education.

The Department has been working strenuously towards a program of teaching and research to meet the needs of the country in Physical Education & Sports Sciences.

### **Degree Program Available**

- BS & Honors
- Masters

### **Eligibility & Allocated Seats:**

#### BS & Honors

- i) Intermediate Science in Pre-Medical **15 seats**
- ii) Intermediate Science in Pre-Engineering **08 seats**
- iii) Intermediate Arts/Commerce/Physical Education as subject/Diploma in Physical Education **07 seats**

#### Masters: **50 seats**

- i) Bachelor in Physical Education
- ii) B.A. / B.Sc. (with Physical Education as a subject)

iii) M.B.BS/ B.A.(Pass), /B.Sc. (Pass), B.Sc. (Physiotherapy / Medical Technology / O.T / Nursing)

iv) B.Com. (Participation in any game at College, City, Province or National level)

v) B.E. BBA, BPA, L.L.B. and participation in any game at College, City, Province or National level.

### **Facilities**

- Gymnasium Hall for multipurpose activities e.g. Basket Ball, Badminton, Table Tennis, other indoors games
- Football field Hockey fields
- Athletic track
- Badminton court
- Tennis Courts
- Squash Courts
- Volleyball, shooting ball Courts.
- Cricket ground with stadium
- Gymnastics and weight lifting facilities

### **Teaching and Assessment**

The teaching and assessment is done under the Semester System as per Karachi University rules.

### **Career Opportunities**

The post graduates having a degree of Health and Physical education will be able to play a significant role in the national development through their services rendered to educational institutions and sports organizations.

### **Faculty Members**

#### **Lecturers**

Mr. Basit Ansari (Incharge)  
Ms. Shazia Tabbassum  
Mr. Mazahir Zia Shaikh  
Mr. K. M. Asif

#### **Visiting Faculty**

Ms. Abida Shaheen (Deputy Director)  
Mr. Rashid Qureshi  
Ms. Saira Noor  
Ms. Anita Imdad

### **For Further Enquiry**

Telephone: 99261300-06 Ext:2263

Website: [www.uok.edu.pk](http://www.uok.edu.pk)

Email: [hps@uok.edu.pk](mailto:hps@uok.edu.pk)

## Department of MATHEMATICS

### Introduction

Department of Mathematics was established in 1956. Professor DrSulemanKerawala was the Founder Chairman. Professor Dr SM Yahya introduced course reform. In addition to the core programs, given below, our department caters to the subsidiary courses in mathematics offered in BS Program. Our department, also, renders services of its full-time faculty to teach mathematics courses in other programs and departments as well as government organizations.

### Aims and Objectives

- To inculcate habits of creative thinking, critical analysis and rigorousness, so that he students start enjoying mathematics
- To make the student appreciate the uniqueness of mathematics as tool of the tools, having the power of generalization and the power of application
- To develop ability in students to formulate a problem using the language of mathematics
- To equip students with the tools required and the mathematical techniques applied in the industrial, the business, the financial and the health-care organizations
- To propose mathematical solutions to indigenous problems arising in the industrial, the business, the financial and the health-care sectors
- To strengthen academia-professional-world bonding by tailoring the courses and the trainings offered according to needs of the end-user

### Degree/Diploma/Certificate Programs Available

- BS (Hons.)
- BS (Pure Mathematics)
- BS (Applied Mathematics)
- MS/M.Phil./PhD
- DSC
- Diploma in Mathematics
- Certificate in Mathematics

### Eligibility & Allocated Seats

**BS & Honors:** Intermediate Science/ Arts (with Mathematics/ Certificate in Mathematics, DBA with Mathematics) **140 seats**

- Masters:** BA/B.Sc. (with Mathematics/ Diploma in Mathematics) **150 seats**

### Career Opportunities

Students graduating from this department have been, gainfully employed in various R&D organizations,

e.g., SUPARCO, as well as financial and educational sectors.

### Research Activities

Faculty is engaged in research in the following areas:

- 3-D Optical Imaging
- Algebra
- Astrodynamics
- Biomathematics & Bioinformatics
- Climatology
- Pedagogical Techniques in Maths
- Controls and Simulation
- Fluid Dynamics
- Mathematical Physics
- Operational Research
- Quantum Mechanics
- Relativity and Gravitation

### Faculty Members

#### Professors

DrRana Khalid Naem  
Dr Syed Arif Kamal  
DrSarwarJahanAbbasi (Chairperson)  
Dr Syed Anwar Ali Zaidi

#### Assistant Professors

Ms. RehanaShakeel  
Ms. NaveedaQamar  
Ms. AkhtarJehan Aziz  
Mr. Mushtaq Ahmed  
Dr. Muhammad Jawed Iqbal  
Mr. Muhammad Javed Ansari  
Mr. Waseem Ahmed Khan  
Ms. SyedaSadia Zia

#### Lecturers

Mr. Waseem Ahmad Ansari  
Mr. Khurram Kamran (on study leave)  
Ms. Saba Naz  
Mr. Muhammad Imtiaz  
Mr. Syed Inayatullah  
Mr. NajeebAlam Khan  
Mr. Tanveer Ahmed Siddiqi  
Mr. Asif Raza Khan (SL)

### For Further Enquiry

Telephone:021 9926 1300-6 ext. 2293

Website:[www.domsku.com](http://www.domsku.com)

[www.uok.edu.pk/faculties/mathematics](http://www.uok.edu.pk/faculties/mathematics)

*Department of*  
**MICROBIOLOGY**

**Introduction**

**M**icrobiology is a broad discipline which has both basic and applied aspects. Therefore, microbiologists must have good understanding about microbial taxonomy, genetics, immunology and physiology in order to identify these agents, utilize their metabolic potential on commercial levels and to manipulate these organisms for the betterment of humanity.

The Department of Microbiology at the University of Karachi was established in 1957 with only 22 students and one full-time teacher (late Prof. Dr. A.A.Anwar) and a part time teacher cum student (Late Prof. Dr. PirzadaMisbahuddin Ahmed Siddiqui). Since this was the first and only Department of Microbiology for many years, in this country, offering a degree, Prof. Dr. Anwar could be truly regarded as the Father of Microbiology in Pakistan.

Because of the importance of the subject and its applicability, this department is now regarded as one of the best departments within the faculty of Science. As a result this department has become popular and a large number of students opt to study Microbiology as their major. Furthermore, this department caters the needs of more than 500 students who opt to study Microbiology as one of their minors each year.

Besides offering BS/Honors and Masters degrees, this department has a reputation of its MS / Ph.D and Ph.D. programs. At present, more than 150 scholars are enrolled in MS and Ph.D programs.

**Degree Programs Available**

- BS & Honors, Masters, MS / Ph.D

**Eligibility & Allocated Seats**

BS & Honors: Intermediate (with Biology) **80 Seats**

Masters

- i) B.Sc. with Microbiology **40 Seats**
- ii) B.Sc. Medical Technology with Microbiology/  
Bachelor of Veterinary Science / Veterinary  
Medicine **03 Seats**

**Some Research Interests of the Teaching Faculty include,**

Studies on the mechanisms of virulence,  
epidemiological studies, studies on microbial  
enzymes of industrial importance,

biotransformation studies, studies on  
bioactivities of microbial metabolites,  
immunological aspects of diagnosis, molecular  
aspects of disease diagnosis and microbe  
identification, bacteriocins, bioactivities of  
natural products, molecular biology of phages,  
biodiversity and Environment and bacterial  
Genetics

**Faculty Members****Professors**

Dr. ShahanaUroojKazmi (Pro-VC)  
Dr. NusratJamil (Chairperson)  
Mr. Syed Muhammad Khalid  
Dr. Aqeel Ahmad  
Dr. Tasneem Adam Ali  
Dr. Shakeel Ahmed Khan  
Dr. Fasihuddin Ahmed Ansari (on FSL)

**Associate Professors**

Ms. ShahnazMansoor  
Ms. NayyarJahan (on SL)  
Ms. TalatYasmeenMujahid (on SL)

**Assistant Professors**

NayyarMehmood (on SL)  
Dr. Samia Ahmed (ESL)  
Dr. Tanveer Abbas (on SL)  
Dr. Syed AbdusSubhan (on SL)  
Dr. FauziaHaider  
Dr. Abdul Wahab  
Dr. Zaid Ahmed Pirzada  
Dr. AsmaSaeed  
Dr. AsmaNaeem  
Dr. Muhammad Sohail  
Dr. Adnan Khan

**Lecturers**

Ms. AnjumZehra (on SL)  
Mr. Tariq Tayyab  
Ms. MuniraNazBalouch  
Ms. Sadaf Jahangir (on SL)

**Adjunct Professors**

Dr. HajraKhatoon  
Dr. Sheikh AjazRasool  
Dr. RoquyaSiddiqi

**For Further Enquiry**

Phone (021)99261300-6 Ext.2248/ 2411

Website: [www.uok.edu.pk](http://www.uok.edu.pk)

## *Department of* **PETROLEUM TECHNOLOGY**

### **Introduction**

In the mid 1990's Karachi University envisaged the need of the job oriented studies and established Petroleum Technology Department. Its syllabi were compiled by the joint efforts of the Oil & Gas industry and the academia. The vision was to bring forward a generation taught and developed by the Professors of the University and the scholars of the Petroleum Industry. These students are capable to take over needs of the industry.

Petroleum Technology program is successfully running in the Faculty of Engineering/Science along with Petroleum Industry scholars who are participating in the guidance towards the state of the art direction and teaching. The M.Sc. program covers the subjects of Exploration, Drilling, Well Completion, Production, Reservoir, Natural Gas Engineering, Refining, Economics, Environment & Safety, Logistics and Industrial Management. The program is such designed to include all aspect of Oil & Gas Industry so that student could adjust to different aspects/places in the industry.

### **Eligibility & Allocated Seats**

- B. Sc. (Pass) Pre Enggwith Maths **20 seats**
- B.E. **10 seats**
- B.Tech. (H) with Petroleum/Chemical/  
Mathematical **10 seats**

### **Facilities**

Internships can be provided to the students of M.Sc. final year. Department has arranged field visits in the petroleum industry.

### **Teaching and Assessment**

It is a two-year (4-semester) program of 20 courses of 3 credit hours each. The program includes theory classes six days a week as well as practical, seminars and a six-week internship.

An intensive study of chemistry and geology of petroleum, drilling, well logging, reservoir, environmental issues are required by the students. This program is mainly for fresh science and production, refining, pipeline, corrosion and

engineering graduates who plan to enter petroleum industry or have recently joined.

### **Career Opportunities**

Petroleum Technology program of University of Karachi was initiated in 1996 following the policy of introducing job-oriented technology programs at the University. The program aims to meet the future requirements of technical and professional personnel in view of growing participation of national and multinational companies and a prospect of enhanced petroleum exploration and refining activities in Pakistan.

Pakistan has an expanding oil industry with accelerated exploration activities, refineries, petrochemical industries, and oil and gas distribution network. There is a job market at home, in the Middle East and in other parts of the world.

### **Faculty Members**

#### **Professors**

Prof. Dr. MajeedullahQuadri, Chairman

#### **Lecturers**

Engr. ZahidNabi

Engr. Syed Hassan Abbas

Mr. KashifSadiq

Mr. Waqas Ahmed

#### **Visiting Faculty Members**

A large number of Industrial personals are teaching in our Department as Part-Time faculty members i.e. PPL, OGDCL, NRL, HDIP, BP Pakistan and various Departments of University of Karachi i.e. Chemical Technology/Engineering, BBA, Statistics, Mathematics, Geology, etc.

### **For Further Enquiry**

Telephone: 99261300-6 Ext. 2418

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Email: [pet@uok.edu.pk](mailto:pet@uok.edu.pk)

[majeedgeol\\_pk@yahoo.com](mailto:majeedgeol_pk@yahoo.com)

## Department of PHYSICS

### Introduction

The department of Physics was established in 1952 with Professor Dr. Mujtaba Karim as founder Chairman. Currently the department is playing an important role in the development of Science and Technology in the country. Since its inception, a considerable number of students have completed their degrees and are now rendering their services in reputable organization within and outside the country. To keep students abreast with the recent development in the field of physics, conferences and seminars are also organized in the department.

### Degree Programs Available

- BS & Honors
- Masters
- MS/PhD

### Eligibility & Allocated Seats

BS & Honors: Intermediate (with Physics and Mathematics) **125 Seats**

DAE (Electronics, Mechanical, Electrical, Radio, T.V) **06 Seats**

Masters: B.Sc with Physics and Mathematics **50 Seats**

MS/Ph.D: M.Sc or BS

### Facilities

#### Research Laboratories

The Department has well-equipped research labs to conduct research on:

- Electronics and Communication
- Solid State Physics
- Condensed Matter
- Atomic and Molecular Spectroscopy

#### Seminar Library

A large collection of books and journals of physics and related subjects is available in the departmental library. Space and seating arrangement is available where students can study these books in a peaceful environment.

Audio-Visual Room A large sized room with multimedia and sound system available is reserved for seminar presentations.

Teaching Laboratories From first year to fourth year, B.S., students are required to perform experiments at their respective level. The labs comprise of

experiments related with their theoretical studies at different levels.

Computer Lab For studies related with computers, latest versions of software and applications are available. Students can perform calculations, graphics, simulation and modeling, thesis writing and similar jobs in this lab.

### Medals and Scholarships

1. Philips gold medal for First position in B.S (Physics)
2. Orient Dr. Abdul Qadeer Khan Science Award gold medal for First Position in B.S (Physics)
3. Ameer Hussain Siddiqui Trust Scholarship for meritorious students.

### Faculty Members

#### Professors

Mr. Dabir H. Rizvi (Chairman)  
Dr. Altaf Husain  
Dr. Naquiba Bano  
Dr. Tehseen Rahim

#### Associate Professors

Mr. Naseer Uddin

#### Assistant Professors

Dr. Shabana Rizvi  
Dr. Zaheeruddin (FSL)  
Dr. Shahid Mehmood  
Dr. Imran (SL)

#### Lecturers

Ms. Rabia Najam  
Mr. Zeeshan Abbass  
Mr. Ommair Ishaque  
Ms. Sadaf Fatima  
Ms. Rubeka Sikandar  
Mr. Waqar Ahmad  
Mr. Zeeshan Iqbal  
Mr. Saifuddin Jilani (on SL)  
Mr. Imran Ahmed Siddiqui (on SL)  
Mr. Intikhab Ulfat (on SL)  
Mr. Asim Ejaz (on SL)  
Mr. Hafiz Mohd. Sohail (on SL)

#### Visiting Faculty

Prof (Retd.) Dr. Firoz Ahmed

### For Further Enquiry

Telephone: 2961300-7 Ext: 2250

Email: [kuphysics@gmail.com](mailto:kuphysics@gmail.com)

Website: [www.uok.edu.pk](http://www.uok.edu.pk)

## Department of PHYSIOLOGY

### Introduction

The Department of Physiology is an important segment of the Faculty of Science, University of Karachi and occupies a very prominent place in the modern age of Biosciences, Clinical/Biomedical Sciences and other Applied Biological Sciences. This department, founded by Prof. Dr. Mahmood Hussain Qazi in 1964 was the first one outside medical colleges to introduce teaching and research programs in Basic and Experimental Physiology at the graduate and postgraduate levels. This department is the only institute in the country which has produced M.Phils. and Ph.Ds. in various disciplines of Physiology over the past many years.

### Degree/ Diploma/ Certificate Programs Available

- BS & Honors, Masters, MS /Ph.D.

### Eligibility & Allocated Seats

**BS & Honors:** Intermediate Science with Biology

**100 seats**

**35 seats**

#### Masters

- i) Microbiology
- ii) Biochemistry
- iii) Zoology
- iv) Botany
- v) Chemistry
- vi) M.B.B.S
- vii) D.V.M
- viii) B.Sc Physiotherapy

B.Sc (Pass)  
Biology Group  
with at least 60%  
marks

**M.S:** Masters / B.S (4 year):

**5 Seats**

**Ph. D:** M.Phil in physiology or the relevant subject

### Departmental Facilities

- a) Well Equipped Labs and teaching aids for students & research scholars for techniques in electrophysiology, microscopy, physiological Chemistry, hematology, metabolic physiology, general physiology, clinical physiology and other areas.
- b) A well-organized seminar library, computer/ internet facilities, and a separate computer lab.

### Career Opportunities

Physiology is one of the most important and applied field in health sciences that is entitled even for Nobel Prize. It is the core of all medical research being done all over the world. For a research-oriented mind, studying Physiology is the ideal scenario. Pharmaceutical industry, health monitoring departments, biosynthetic industry, instrumentation in biomedical sciences, health related agencies,

population welfare divisions, agriculture, livestock, and poultry industry, laboratory centers, biocybernetics, occupational therapies, physiotherapy centers, nutritional/ sports centres, radiological institutions, biotechnology, bioinformatics, bioengineering, synthetic biology, health physiology centres, nursing, medical universities, hospitals, diagnostic laboratories, pharmaceutical industry, research and teaching institutions, and a number of other places require physiologists with a variety of disciplines.

### Research Activities

The department is involved in research programs at M.S, M.Phil&Ph.D level in different disciplines of Physiology: Neuromuscular Physiology, Pathophysiology, Clinical and Applied Physiology, Hematology, Reproductive Physiology, Molecular Physiology & Biophysics, Endocrinology, Neuroendocrinology, Poultry Physiology (in collaboration with K&Ns and Sindh Poultry Vaccine Centre, Karachi), and Neurological and vascular Physiology. Presently, more than 25 research scholars are registered in their M.S, M.Phil/Ph.D. programs in the department.

### Faculty Members

#### Professors

Prof. Dr. Zahir Hussain  
Dr. Shehla Amir  
Ms. Qamar Amin (Chairman)

#### Assistant Professors

Ms. Ruqaiya Hasan  
Ms. Aisha Javed  
Ms. Habib Fatima  
Ms. Arifa Savanur  
Dr. Taseer Ahmed Khan

#### Lecturers

Ms. Shama Masroor  
Ms. Erum Afzal  
Mr. Zulfiqar Ahmed  
Ms. Nazish Iqbal Khan  
Ms. Lubna Naz  
Mr. Anwar Ali  
Ms. Sadaf Ahmed  
Mr. Mudassir H. Rizvi  
Ms. Sumera Sohail  
Ms. Ghazala Yasmeen

### For Further Enquiry

Telephone: 99261300 – 06 Ext. 2296, 3458

Email: [physio.ku@gmail.com](mailto:physio.ku@gmail.com)

Website: [www.uok.edu.pk](http://www.uok.edu.pk)

## Department of STATISTICS

### Introduction

The Department of Statistics, University of Karachi was established in the year 1963. Both in terms of physical facilities and academic facilities the Department of Statistics is one of the most popular departments within the university.

### Programs in Statistics

- BS & Honors
- Masters
- BS Actuarial Sciences and Risk Management
- M.Sc. Applied Statistics
- MS / Ph.D.
- Post-Graduate Diploma in Statistics

### Eligibility & Allocated Seats

**BS & Honors:** H.S.C. Science/ Arts (with Mathematics) or equivalent **65 seats**  
**BS Actuarial Sciences & Risk Management:** H.S.C. Science/Arts (with Mathematics) or equivalent with at least 50% marks **60 seats**  
**BS Third Year in Statistics:** B.A./B.Sc. (Pass) (with Mathematics) **50 seats**  
**PGD in Statistics** **10 seats**  
**PGD in Statistics: Graduation\***

*\*Graduates who have passed B.A./B.Sc. with Statistics optional are not eligible*

### Facilities

The department has a Seminar Library stocked with a number of latest and good books on all branches of statistics. The Library has also a large collection of statistical publications of national and international organizations. The students and researchers are also using the facilities of data bank in the department that has several computer laboratories having more than 100 computers.

Well-equipped Computer Laboratories with an environment of networking and statistical packages such as SAS, SPSS, R, etc are available for students and researchers.

### Teaching and Assessments

Teaching and assessment is according to the requirement of the respective program as per University rules and regulations.

### Career Opportunities

The opportunities are open for the Students of Statistics and Actuarial Sciences and Risk Management in all fields including banks, industries, Government Organization (FBS, SBS, PBS, State Bank, etc.), Research Organizations, insurance and investment fields

### Research Activities

- MS/Ph.D. program

### Publications

Over hundred research papers of the faculty members are available on various National and International journals.

### Faculty Members

#### Professors

Dr. MudassirUddin (Chairman)  
 Mr. Syed Afrozuddin Ahmed  
 Dr. JunaidSagheer Siddiqi  
 Mr. AnwerKhurshid (FSL)

#### Associate Professors

Mr. Muhammad Aslam  
 Dr. EhteshamHussain

#### Assistant Professors

Ms. Farah Yasmin  
 Ms. RafiaShafi  
 Dr. JaveedIqbal

#### Lecturers

Ms. SuboohiSafdar  
 Ms. ArfaMaqsood  
 Ms. BushraShamshad  
 Ms. Sara Azhar

#### Adjunct Professors

Mr. ZahidMahmood  
 Mr. Asim Jamal Siddiqui  
 Mr. GhulamHussain

#### Part-time Faculty

Dr. Ejaz Ahmed

### For Further Enquiry

Phone: 99261300-6, Ext: 2298  
 E-mail: [safahmed@uok.edu.pk](mailto:safahmed@uok.edu.pk)  
 Website: [www.uok.edu.pk](http://www.uok.edu.pk)

## Department of ZOOLOGY

### Introduction

The department of Zoology was established in 1951 and now it holds a pivotal position in the faculty and can also be compared with any department of Zoology elsewhere in and outside Pakistan. The Department right from its inception has been imparting instruction at B.Sc., BS, and M.Sc. levels, besides providing facilities for post-graduate research leading to M.Phil, and Ph.D. degrees. More than two thousand (2000) research papers have been published by the faculty members in National and International research journals. Various monographs and thirty two books have been published by the faculty members. About 300 students are enrolled each year at various levels in the department including various specializations. Several are being enrolled each year in M.Phil and Ph.D programs.

### Degree Programs Available

BS & Honors, Masters, MS/Ph.D.

### Eligibility & Allocated Seats

BS & Honors: Intermediate Science (Biology Group)

**150 seats**

Masters B.Sc. with Zoology

**150 seats**

MS: BS / M.Sc in Zoology

**25 seats**

Ph.D. MS/ M.Phil in Zoology

### Facilities

The department has Computer Lab and instruments Lab of Toxicology and Hydrology containing Atomic Absorption HPLC, Autoclave, and GLC, Total counter, Graphite Furnace, Bom colorimeter and Spectrophotometer.

In addition the department has a zoological museum which occupies a special place among the Museums of Pakistan Universities. It has a huge collection of vertebrates and invertebrates from James Murray's collection and substantial collection of fresh water and Marine fauna of Arabian Sea, Persian Gulf and Indian Ocean. During the past 61 years a considerable addition of insects from South-East Area, Pakistan, Bangladesh including Oriental, Trans-Himalayan (Palaeartic) and Ethiopian forms from Lasbella and Mekran Coast, have been added. Work on taxonomy of fishes (freshwater and marine), Insects and nematodes are being undertaken by trained and experienced staff. Collaboration is being maintained with outstanding taxonomists in Japan, Europe, U.S.A. and Canada.

### Career Opportunities

The graduates of the department while catering the needs of the education department, where they are readily absorbed as teachers of Zoology in schools, colleges and University also have job opportunities in the department of Agriculture, Plant protection, Fisheries, Zoological Survey, Zoological Gardens Safari parks, Pakistan Council of Scientific and Industrial Research, National Institute of Oceanography, Pakistan Agricultural Research Council, Wild life conservation and management of WWF, IUCN, Public and Private sectors pathological laboratories.

### Research Activities

The department also gives opportunity for research to the students, who can specialize in Applied Zoology, Entomology, Limnology and Freshwater Fishery Biology, Marine Zoology, Parasitology, and Wildlife Fisheries.

### Faculty Members

#### Professors

Dr. M. ArshadAzmi (Chairperson)

Dr. Sohail Barkati (re-employed)

Dr. Farida Begum

Dr. NasiraKhatoon

Dr. RehanaYasmeenFarooque

Dr. Syed AnserRizvi

Dr. MasarratYousuf

Dr. NaseemGhani

Dr. M. Farhanullah Khan

Dr. SeemaTahir

#### Adjunct Professors

Dr. TasneemSaqib

Mr. Muhammad Iqbal

#### Associate Professors

Dr. M. Zaheer Khan

Dr. KahkashanAkhtar

Mr. Atiqullah Khan (M.Phil)

Dr. RahilaTabassum

Dr. RukhsanaPerveen

#### Assistant Professors

Ms. AfshanJabbar Khan

Dr. FarzanaYousuf

Mr. KarimGabol

Dr. Muhammad Shoaib

Dr. SolahaRahman

Dr. SumeraFarooq

Dr. GhazalaYasmeen

#### Lecturers

Ms. ShahinaRao

Ms. SamreenMirza

Ms. RoohiKanwal

Ms. ShakilaParveen

### For Further Enquiry

Telephone: 99261300 – 6 Ext. 2299

Website: [www.uok.edu.pk/zoology](http://www.uok.edu.pk/zoology)

Email: [zoology.ku@hotmail.com](mailto:zoology.ku@hotmail.com)

## CENTRE OF EXCELLENCE IN MARINE BIOLOGY

### Introduction

The Centre is the only institution in Pakistan that offers M.Phil. and Ph.D. programs in marine biology. It was established in the years 1975 under the Centre of Excellence Act of 1974. It is administered by a Board of Governors whose Chairman is the Vice-Chancellor of the University of Karachi. The Director is the executive and academic head of the Centre. The Board of Advance Studies and Research and the Academic Council of the University of Karachi approves the academic programs of the Centre.

### Degree Program Available

- MS/Ph.D.

### Eligibility

MS: M.Sc. (preferably 1<sup>st</sup> class) in Biochemistry, Biotechnology, Botany, Chemistry (with Biology at B.Sc. level), Fisheries & Freshwater Biology, Genetics, Hydro-biology, Marine Science, Microbiology, Physiology and Zoology

Ph.D.: M.Phil./MS degree in Marine Biology

### Allocated Seats

MS: **25 seats** with stipend of Rs. 8,000/- p.m.

**15 seats** without stipend.

Ph.D.: **10 with** stipend of Rs.10,000/ p.m

### Facilities

- 1) Lecture Theatre (Air-conditioned) with audiovisual equipment facilities
- 2) Well-equipped laboratories
- 3) Internet facilities.
- 4) Research Library with collection of 5210 books and 1670 research journals of which 400 are local journals and 1270 are foreign. The library has high speed internet facility and a wide range of online journals are available through HEC digital library.
- 5) Shore Lab. At Sandspit about 35 Km away from the University campus. Researchers who visit seaside for collection of marine organisms mainly use the laboratory.
- 6) Museum in which more than 500 specimens of local marine fishes and 200 specimens of marine invertebrates are housed. This museum is mainly used for teaching purpose.
- 7) Aquarium for rearing of live sea animals facilities.
- 8) Transportation for collection sample from seashores.

### Teaching and Assessment

The Centre offers a teaching program for M.Phil. students, which comprises ten courses (3 credit hours each), spreading over two semesters.

### Career Opportunities

Opportunities for M.Phil & Ph.D. degree holders are available in different national/international research institution and other departments like: Federal Marine Fisheries Department, Govt. of Pakistan, Sindh & Balochistan Fisheries Dept., National Institution of Oceanography Department, Institute of Marine Sciences, Fishing Industries, Teaching at Government/Public Degree Colleges and Foreign Universities and Research Institutions.

### Research & Publications

The Centre has been publishing international research journal "Journal of Marine Biology" and CEMB News bulletin. The centre has Published books, periodicals and more than 450 national / international research publications.

### Faculty Members

The Centre is staffed with highly qualified scientists who have experience of working in world-renowned institutions of marine biology and fisheries.

### For Further Enquiry

Telephone: 99261300-6

Website: [www.uok.edu.pk](http://www.uok.edu.pk)

Email: [cembku@yahoo.com](mailto:cembku@yahoo.com)

[cembku@gmail.com](mailto:cembku@gmail.com)

**DR. PANJWANI CENTER FOR  
MOLECULAR MEDICINE &  
DRUG RESEARCH***International Center for Chemical  
and Biological Sciences***Introduction**

**P**anjwani Center for Molecular Medicine and Drug Research (PCMD) is founded through a generous support and patronage of MsNadiraPanjwani in the memory of her beloved father, Dr. Muhammad HussainPanjwani, a leading scholar and philanthropist. The PCMD will initiate scientific programs that lead to possible treatments of often neglected prevalent diseases of Pakistan, as well as associated human resource development.

**Degree Programs Available**

- MS/Ph.D.

**Eligibility & Allocated Seats**

M.Sc./BS in Bio Chemistry / Genetics / Microbiology  
M.B.B.S and B.Pharm. / Pharm-D. **40 seats**

**Facilities**

Well-equipped labs for:

1. Tissue Engineering and Stem Cell Research
2. Cancer Diagnosis and Cancer Cell Line Laboratory
3. Tropical Disease Research
4. Infectious Agent and Diseases
5. Degenerative Diseases
6. Proteomics and Enzymology
7. Molecular Epidemiology
8. Genomics, Bioinformatics and Computational Biology
9. Human Genetics and Gene Therapy
10. Molecular Pharmacology and Drug Resistance
11. Clinical Pharmacology
12. Prenatal Diagnosis
13. Drug Discovery, Design and Synthetic Medicinal Chemistry.
14. Diagnostic and Clinical Research Facility
15. Imaging Facility
16. Compound Bank Facility

**Teaching and Assessment**

- Lectures, seminars and tutorials assignments including essay, data handling exercises computer based studies and preparation of short talks.
- Research seminar, by faculty and visiting scientists.

**Career Opportunities**

The center will train highly qualified manpower in the emerging new fields of molecular medicine and drug development.

**Research Activities**

Visit our website:-[www.iccs.edu](http://www.iccs.edu)

**Publications**

Visit our website:-[www.iccs.edu](http://www.iccs.edu)

**Faculty Members**

Visit our website:-[www.iccs.edu](http://www.iccs.edu)

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## INSTITUTE OF MARINE SCIENCES

### Introduction

Institute of Marine Science (IMS) was established in 1981 to acquire greater knowledge of our marine environment and to develop a multidisciplinary approach to learn all aspects of the marine environment, ecological, biological and geological. Advanced knowledge of sea and skill in various fields of marine science is required for aquaculture, seafood, seaweed, seashells and pearl industry, oil and gas operators and Naval warfare. The Institute of Marine Science, Karachi University is best located for conducting research and teaching leading to MS/Ph.D. degrees. IMS undertakes research in marine science including ecological, biological, biochemical, chemical, geological studies on marine life of Northern Arabian Sea.

### Degree Programs Available

- MAS(one year), M.phil, Ph.D.

### Eligibility

M.Sc or BS in Marine Science, Fisheries, Freshwater Biology, Coastal & Marine Management, Zoology, Botany, Chemistry, Biochemistry, Hydrobiology, Genetics, Physiology & Physics.

### Allocated Seats

MAS(one year)	<b>20 seats</b>
M.phil	<b>10 seats</b>
PhD	<b>04 seats</b>

### Facilities

Computer and Internet: Institute has computers and Internet facility, which provide access to Digital library of University of Karachi as well as various scientific data basis. Software packages are also available which enables collection of relevant background literature and statistical analysis of large data sets.

### Career Opportunities

- Jobs would be available in:
- Fish processing industries
- Teaching departments, Colleges and Institutes
- Research organizations as: PCSIR labs, Marine Fisheries Departments of Pakistan, Sindh and Balochistan Fisheries Departments and NIO.
- Middle East and Far East countries where aquaculture and Industries related to marine resources are highly developed

### Research Activities

- (1) Ecological studies of crabs from soft sediment shores.
  - (2) Small gastropods of sandy shores.
  - (3) Lipids in shrimps.
  - (4) Penaeid shrimps.
  - (5) Polysaccharides in seaweeds.
  - (6) Metal pollutants in coastal waters.
  - (7) Biodiversity in marine invertebrates and plants.
  - (8) Seawater and sediments of Badin, Sindh.
- Three Ph.D, 9 M.Phil and 8 MAS degrees have so far been awarded. At present, 15 students are doing MS/Ph.D and 20 students are enrolled in MAS program.

### Publications

More than 400 research papers have been published by the faculty members of IMS since its inception.

### Faculty Members

#### Associate Professor

Dr. RashidaQari

Currently the faculty includes 2 adjunct Professors, 1 full time and 5 part-time and interdepartmental visiting members holding Ph.D degrees and 4 full time co-operative teachers holding M.Phil degrees.

### For Further Enquiry

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## INSTITUTE OF SPACE & PLANETARY ASTROPHYSICS

### Introduction

The Institute of Space & Planetary Astrophysics, University of Karachi, was established in 1994/95. This is the first institute in Pakistan that offers post-graduate programs in the fields of Space Science, Astronomy and Astrophysics.

The institute offered MPhil and PhD program in Geospace Science, Astrophysics and Space & Planetary Astrophysics. The first batch was inducted in 1999. Till today the University of Karachi has awarded three PhDs and eight MPhil degrees to students of the Institute.

### Degree Programs Available

- BS& honors
- M.Sc.
- MS
- Ph.D.

### Eligibility

BS&Honors: H.S.C. or equivalent with Mathematics

Masters: B.Sc. or equivalent with Mathematics and Physics

MS/Ph.D:

- M.Sc./BS in Mathematics/ Physics/ Applied Physics.
- M.Sc./BS in Geography/ Geology/ Computer Science (with Mathematics and Physics equivalent to B.Sc.)

### Allocated Seats

BS& Honors:	<b>25 seats</b>
Masters:	<b>25 seats</b>
MS / Ph.D.:	<b>10 seats</b>

### Facilities

Apart from an Astronomical Observatory the Institute has two computer labs. The Observatory is equipped with a 6 inch Code' Refractor telescope of German make with excellent photographic facilities. The computer labs are equipped with ten latest P4 computers loaded with licensed software for computational methods, astronomical and mathematical software.

### Research & Publications

During the past five years the Faculty and students of the Institute have published scores of research articles in local and international journals.

### Faculty Members

Prof. Dr. Jamil H. Kazmi (Director)  
Dr. Shahid Qureshi (on FSL)

Currently the Faculty includes one Full Time Faculty member and four Part Time visiting Faculty holding PhD degrees.

### For Further Enquiry

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## INSTITUTE OF SUSTAINABLE HALOPHYTE UTILIZATION

### Introduction

ISHU was established with funding from HEC to work on various aspects of naturally occurring salt tolerant plants or halophytes. The aim is to serve humanity by utilizing these plants as a source of fodder, forage, biofuel, oil seeds or medicinal plants in harmony with nature.

### Degree Programs available

- MS and PhD in Botany (ISHU)

### Eligibility & Allocated Seats

M.S.:	M.Sc. / BS	10 seats
Ph.D.:	M.Phil. / MS	10 seats

### Facilities

ISHU has state of the art facilities for research in lab, green house and natural field conditions such as Atomic absorption spectrometer, CNS analyzer, GC, Ion Chromatograph, Gel Doc system, PCRs, Photosynthesis and water relations instruments etc.

### Teaching and Assessment

Assessment and grading system follows that of BASR, University of Karachi MS/PhD program.

### Career Opportunities

ISHU graduates can apply for teaching positions at college & university levels, in research and development organizations related to plant sciences.

### Research Activities

A number of field and laboratory research projects have been completed while others are in progress at ISHU covering many aspects from ecology and physiology to molecular biology.

### Publications

- Ahmed, M.Z. and M.A. Khan. 2010. Seed germination and recovery responses of *Halogeton glomeratus*, *Lepidium latifolium* and *Peganum harmala* to temperature, salinity and light. Flora doi:10.1016/j.flora.2009.10.003.
- Khan, M.A., R. Ansari, H. Ali, B. Gul and B.L. Nielsen. 2009. *Panicum turgidum*, a potentially sustainable cattle feed alternative to maize for saline areas. Agriculture, Ecosystems and Environment 129: 542-546. [Highlighted as a Science Editors' Choice: Controlling Salt Intake (Jan. 2, 2009 *Science* issue) 323: 17].

- Li, W., P. An, X. Liu, M.A. Khan and K. Tanaka. 2008. The effect of light, temperature and bracteoles on germination of polymorphic seeds of *Atriplex centralasiatica* Iljin under saline conditions. Seed Science & Technology 36: 325-338.
- Gulzar, S., M.A. Khan and X. Liu. 2007. Seed germination strategies of *Desmostachya bipinnata*: a fodder crop for saline soils. Rangeland Ecology and Management 60: 401-407.
- Weber, D. J., R. Ansari, B. Gul, and M.A. Khan. 2006. Potential of halophytes as source of edible oil. Journal of Arid Environment 68: 315-321. UK
- Aziz, I. and M.A. Khan. 2001. Experimental assessment of salinity tolerance of *Ceriostagal* seedlings and saplings from the Indus Delta, Pakistan. Aquatic Botany 70: 259-268.
- Khan, M.A., M.Z. Ahmed, and A. Hameed. 2006. Effect of sea salt and *L-ascorbic* acid on the seed germination of halophytes. Journal of Arid Environment 65: 535 - 540.

### Faculty Members

#### Professors

Dr. M. Ajmal Khan (Director)  
Dr. Raziuddin Ansari  
Dr. Bilquees Gul

#### Associate Professors

Dr. Salman Gulzar

#### Assistant Professors

Dr. Irfan Aziz  
Mr. M. Zaheer Ahmed

#### Research Officers

Mr. Abdul Hameed  
Mr. Haibat Ali

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## DR. A.Q. KHAN INSTITUTE OF BIOTECHNOLOGY & GENETIC ENGINEERING (KIBGE)

### Introduction

As the future of scientific success grows from past history and is reflected in the present efforts, one of the reflections is the creation of Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi. The institute broadly aims to impart training in modern day biological sciences, biotechnology and genetic engineering with the goal of using modern technology to improve the economic well being of the citizens of Pakistan by means of technological innovations in health, industrial and agriculture sectors. The Institute strives to become an educational institution of international standing entrusted with the responsibility of conducting basic and applied research and imparting education in modern biotechnology and genetic engineering.

Besides other facilities the institute also has residential facility for faculty, scientific staff and students.

### Degree Programs Available

- M S / Ph. D.

### Eligibility & Allocated Seats

MS (Leading to Ph.D.): Master / BS or equivalent degree in biological sciences **10 seats**

Ph.D.: M. S. or M. Sc., (Hons.) or M. Phil in Biological Sciences. **05 seats**

### Facilities

The institute has state-of-the-art laboratory facilities in the field of biotechnology, molecular biology, genetics and genetic engineering. The laboratory equipment are comparable with any of the top ranking universities or laboratories of technologically advanced countries. The infrastructure has been developed according to the needs and requirements of modern day sciences and technologies. The experimental and practical facilities can be easily exploited to work from genomics to proteomics in the above mentioned research areas.

### Teaching and Assessment

The faculty and scientific staff at KIBGE consist of a pool of distinguished teachers and scholars, known for their learning and research contribution both from Pakistan and abroad. The courses offered by the Institute are similar to those taught at the top ranking

universities and institutes of the world. Eminent foreign scholars are also invited to take-up teaching and research assignments at the Institute. Renowned researchers from Pakistan and overseas are also involved in conducting quality research at the institute that will develop highly trained scientific personnel, on one hand, and top quality result-oriented research, on the other.

### Career Opportunities

Biotechnology and Genetic Engineering has a wide variety of career opportunities ranging from sales and marketing, to research and development, to manufacturing and quality control and assurance. Within each area of the biotechnology industry are several different job functions and often a career path. Biotechnology industry segments include agriculture & food sciences, bioinformatics, biomedical/human diagnosis, forensic DNA analyses, energy, industrial, environmental, marine, biotechnology, pharmaceuticals, etc.

### Research & Publications

For the last several years, the KIBGE has been actively involved in execution of various research projects in the fields of agriculture, industrial and medical biotechnology. The faculty members and researchers of the institute have got several novel gene sequences as well as protein sequences identified and deposited in gene and protein sequence data banks. Tens of original articles have been published from faculty members and scientific staff of the institute in various research periodicals of national and international repute. The institute has also signed a couple of MoUs with diagnostic and enzyme industries.

### Faculty Members/Scientific Staff

Prof. Dr. AbidAzhar (DG)

Prof. Dr. Syed Irtifaq Ali

**Associate Professor**

Dr. Shah Ali UlQader

**Assistant Professors**

Mr. Haider Abbas

Dr. S. M. Shahid

Dr. Saddia Galani

Dr. AfsheenAman

**Lecturers**

Mr. Muhammad Hussain

Ms. SyedaQamar Un Nisa

Ms. SitwatZehra

Dr. NaghmaNaz

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**HEJ RESEARCH INSTITUTE OF  
CHEMISTRY*****International Center for Chemical  
and Biological Sciences*****Introduction**

The H.E.J. Research Institute of Chemistry (International Center for Chemical and Biological Sciences) was founded in 1968 by Late Prof. Salimuzzaman Siddiqui, FRS the main objective of the institute was to offer research and instructional opportunities at post graduate levels in the emerging important areas of chemical and biochemical sciences. Right from the beginning, the institute adopted a policy of academic quality continuous growth and improvement. With the conscious decision to center the activities around good scientists rather than on machines, the institute has attracted the brightest young men and women in this fascinating field of science. After the joining of Prof. Atta-ur-Rahman initially as the Co-Director in 1973, the institute rapidly progressed as a genuine Center of excellence, and became widely recognized both home and abroad.

The discipline of Chemistry is growing and changing at an unprecedented rate, and scientists at the H.E.J. Research Institute of Chemistry are trying their best to remain stay at the forefront in teaching and research of chemical sciences. Professor Atta-ur-Rahman continues to serve the Institute as its Director and manages regular visits to the Institute despite his extremely busy schedule. Prof. Dr. Muhammad Iqbal Choudhary is serving the Institute as the Acting Director.

**Degree Programs Available**

- MS/Ph.D. in relevant discipline of Chemistry

**Eligibility & Allocated Seats**

Students possessing M.Sc./BS degree in relevant discipline of Chemistry or equivalent will be eligible for enrollment as MS /Ph.D. candidates of chemistry at ICCBS. **40 seats**

**Facilities**

The Institute has the single largest doctoral program in the country with over 250 Ph.D. students. The main areas of research and development and training of students include natural product chemistry, protein chemistry, pharmacology, computational medicinal chemistry and plant biotechnology. The analytical, spectroscopic, computational and other facilities

present in the institute are at par to any good Institution in the world. The Institute also has an Industrial Analytical Center which is providing analytical and consultancy services to over 350 industries in Pakistan.

A number of goal oriented projects relating to the chemistry of natural products, protein chemistry, plant biotechnology and pharmacology of herbal medicines are being vigorously pursued which have led to the award of over 300 doctorate degrees, 50 M.Phil. degree and over 200 M.Sc. degrees and the publication of over 2,500 research papers that earned international recognition.

**Teaching and Assessment**

Courses will be taught by lectures, seminars and tutorials. Assignments for tutorials include essays, data handling exercises, computer based studies and preparation of short talks. Each week there are research seminars, where faculty of visiting scientists explains recent developments in the field of Chemistry. Developing laboratory skills is a key objective of the first year of the degree program. The program involves a mixture of course-work, research studies, delivery of scientific presentations and successful completion of GRE and other institutional requirements.

**Career Opportunities**

Science the ICCBS is a prime institution of the world, a large number of our students are periodically going abroad on Post-doc assignments. A long number of our students continuously used to get academic position in foreign as well as indigenous Universities of Pakistan. The remaining students who are not interested in academic positions are taken up by local industries as trained RPD or Production chemists. So far there is not a single instance of any of our students remaining jobless for a longer period of time.

**Research Activities**

Visit our website:-[www.iccs.edu](http://www.iccs.edu)

**Faculty Members**

Visit our website:-[www.iccs.edu](http://www.iccs.edu)

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## INSTITUTE OF ENVIRONMENTAL STUDIES

### Introduction

The Institute was established in 1982. This is the oldest and pioneering Institute in the field of Environment which is offering M.Phil. and Ph.D degrees. The Institute started offering M.Sc., Postgraduate Diploma and Certificate courses since 1996 and BS program in 2009. The Institute provides excellent air-conditioned lecture hall, well equipped environmental laboratories, library and audiovisual facilities for the students. It is also recognized as a technical Focal Point on Environmental Health Activities of WHO/EMRO.

### Post Graduate Programs

#### M.Sc.:

Eligibility: B.Sc., B.E., B. Pharm., M.B.B.S, B.Sc. Nursing or any other equivalent degree **25 seats**

#### Post Graduate Diploma:

Eligibility: B.Sc., B.E., B. Pharm., M.B.B.S, B.Sc. Nursing or any other related degree. **25 seats**

#### Certificate Course:

Eligibility: B.Sc., B.E., B. Pharm., M.B.B.S, B.Sc. Nursing or any other related degree

#### MS:

Eligibility: M.Sc./ BS/ B. Pharm; Pharm-D/ M.B.B.S, BDS, DVM.) or its equivalent in the relevant field

#### Ph.D:

Eligibility: MS/M.Phil. with CGPA 3.00 or more or its equivalent qualification

### Graduate Program

#### BS:

Eligibility: Intermediate Science or any other equivalent approved by UoK **25 seats**

**Subsidiary courses:** Microbiology, Chemistry, Geology, Geography, Botany, Zoology, Mathematics, and Physics.

➤ Admissions to BS (Hons.) and M.Sc. programs are granted on the basis of an aptitude test. Sample test paper and other relevant information is available at [www.csku.edu.pk](http://www.csku.edu.pk)

➤ Minimum Qualifying marks in the entrance test for BS (Hons.) or M.Sc program is 50% (Fifty percent).

➤ Merit list of Candidates qualifying in the Entrance Test will be prepared for final selection as per following weightage.

- Prerequisite Academic Record 60%
- Entrance Test 40%
- 

**Facilities:** Environmental Biochemistry and Chemistry Laboratory, Environmental Microbiology

Laboratory, Pesticide Detection Laboratory, Bio-analytical Laboratory, Instruments Room, Seminar Library, Experimental Field. The laboratories are equipped with latest and sophisticated equipment.

### Career opportunities

After completing two years M.Sc. program and four years BS program the graduates would be able to take up managerial, technical and consultative responsibilities in various industries, multinationals, civic agencies, consulting firms, public health laboratories and organizations, environmental regulatory bodies, educational and research institutions and environmental protection agencies (EPAs).

### Research activities

Presently research on the following aspects is well underway leading to M.S and Ph.D degrees:

- i) Biodegradation of hazardous waste in extreme environmental conditions
- ii) Kinetic studies on the biodegradation of phenol and phenolic compounds by the soil microorganisms in bioreactor
- iii) Ecology of mangroves ecosystem in relation to the physico-chemical habitat
- iv) Environmental and ecological impact assessment
- v) Impact of commercially available pesticides on laboratory animals and development of histopathological models
- vi) Epidemiological studies on spontaneous abortions caused by prevailing environmental pathogens
- vii) Climate change modeling

### Faculty Members

#### Professor

Dr. Tariq Masood

#### Associate Professors

Dr. Moazzam Ali Khan (Director)

Dr. Omm-e-Hany

#### Assistant Professor

Dr. Zafar Iqbal Shams

#### Lecturers

Mrs. Suraiya Jabeen

Mr. Waqar Ahmed

#### HEC Eminent Professor

Prof. Dr. S. Shahid Shaukat

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## NATIONAL CENTER FOR PROTEOMICS (NCP)

### Introduction

**M**ission of the National Center for Proteomics is to provide service and support for proteomics research in the areas of basic science and disease related research. The Center is equipped with various state of the art techniques and instrumentation including one and two dimensional electrophoresis, mass spectrometer, Simple and Real time PCR. Currently, we focus on research areas including Identification and characterization of proteins, dynamics of proteins and nucleic acids, structural characterization, protein-nucleic acid, protein-protein and protein-drug interaction. In future we plan to design proteomic courses and recruit competitive graduate and postdoctoral students. We also aim to provide an excellent foundation for members to collaborate and to obtain joint funding for research projects and training grants.

### Degree Programs Available

- MS/Ph.D.

### Eligibility & Allocated Seats

BS/M.Sc in Biochemistry, Chemistry, Microbiology, Physiology, Genetics, Biotechnology and related disciplines.

**10 seats**

### Facilities

- NCP Protein Separation facility
- NCP Protein mass spectrometry facility
- NCP Bioinformatics facility
- NCP Tissue culture facility
- NCP PCR facility

### Research

- Protein Structure function relationship, Proteomics, Bioinformatics.

- Role of glycation in development of cataract formation

- Taxon specific crystallins

- Antioxidant enzymes and their expression

- Drug screening against DNA and RNA viruses

- Identification of Biomarkers in various cancers using proteomics tools

- Using bioinformatics tools to understand structure function relationship of proteins

### Publications

- ZaheerUl-Haq, Zarina, S. Khan, W., Sattar, R. Moin, ST. Template-based structure prediction and molecular dynamics simulation study of two mammalian Aspartyl-tRNA synthetases. *J. Mol. Graphics & Modeling*, (In press)

- Hashim Z, Ilyas A, Saleem A, Salim A, Zarina S. Expression and activity of paraoxonase 1 in human cataractous lens tissue. *Free Radic. Biol. Med.* 2009; 46: 1089-1095.

- Naseeb U, Shafqat J, Jägerbrink T, Zarina S, Alvestrand A, Jörnvall H, Axelsson. Proteome patterns in uremic plasma *J. Blood Purif.* 2008; 26(6):561-568.

### For Further Enquiry

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Website: Under construction

### Faculty Members

#### Professor

Dr. Shamshad Zarina (Director)

#### Assistant Professors

Dr. Shamim Mushtaq

Dr. Zehra Hashim

## NATIONAL NEMATOLOGICAL RESEARCH CENTRE

### Introduction

**N**ational Nematological Research Centre (NNRC), University of Karachi is a leading research and teaching institute dedicated to the generation, acquisition and propagation of knowledge about Nematology in Pakistan.

Nematology is a highly specialized field and requires services of specialists in dealing with nematode diseases and other pests. NNRC is the only research as well as academic centre, which is solely associated with the study and research of Nematology in the country. The main objective of NNRC is to promote the subject of Nematology so as to generate highly trained manpower through M. Phil / Ph. D degree program A Ph.D. programme in Nematology at the institution which commence in 2009, is aimed at imparting a full range of knowledge, awareness and expertise in Nematology to meet the challenges of the new millennium.

The nematology research programme includes work on the molecular taxonomy, biology, pathogenicity, population dynamics, control of plant parasitic nematodes, use of marine nematodes as pollution indicators, entomopathogenic nematodes, the beneficial nematodes in the biological control of insect pests of agriculturally important crops as biopesticides and their mass production, use of free-living soil nematodes as bio fertilizers and more importantly the human nematology which is going to be established soon.

### Facilities

NNRC has three large modernize equipped research laboratories for advance molecular taxonomy of nematodes especially EPN, their mass production and formulation of these biocontrol agents as a biopesticides besides other well equipped laboratories for the research work on fundamental and applied Nematology. The Library has a collection of more than 800 books, journals and periodicals about nematology. Over 18,000 permanent identified slides and vials of wet suspension of nematode specimens. Large experimental field and two green houses are also available to the students and scientists for their research purpose. Diagnostic, advisory and consultancy services have also been provided to the farmers, scientists and extension workers from all over the country and abroad. NNRC has also established bilateral linkages with large number of national and international agricultural research and development institutions of Nematology.

### Research activities

- Since its inception, it has produced 7 Ph. Ds. Some of these showed excellent performance during their academic tenure and received several awards.
- At present 12 post-graduate students are doing research work for their MS/ Ph.D.
- Research is the main role played by NNRC, besides the research work produces by the students numerous research projects allocated by different national and international working bodies are carried out by the center. The major funding and project allocation bodies associated with NNRC are FAO, WWF, IFS, HEC, PSF and K.U.
- The NNRC collaborates with the government, international research bodies, research centers and non governmental organizations to create awareness on vital issues of

nematode problems and provides forum for all the Nematologists, researchers, agriculturists, extension workers and students of the country to exchange information about nematode diseases by organizing national and international conferences, seminars and workshops regularly.

### Publications

- NNRC has regularly published bi-annually the scientific journal, Pakistan Journal of Nematology (PJN), since 1983 and PSN Newsletter from 2002
- About 27 books, booklets, manuals, proceedings
- More than 1000 research publications

### Degree / Certificate Programs available

- MS (leading to Ph. D.), Ph. D.
- Training Certificate Program

### Eligibility & Allocated Seats

**MS:** Sixteen years of education in Biological Sciences

#### 10 seats

**Ph.D.:** Eighteen years of education in Biological Sciences

#### 10 seats

### Faculty members

#### Director

Prof. Dr. ShahinaFayyaz

#### Senior Scientific Officers

Dr. NasiraKazi

Dr. Zarina Begum

### For Further Enquiry

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## PAKISTAN STUDY CENTRE

### Introduction

**P**akistan Study Centre was established under an Act of the parliament passed in 1976. The Centre began functioning in 1983 and since then it has developed into a prestigious institute of higher learning and research. Apart from conducting courses at Masters, MS and Ph.D., levels, the Centre has excelled in original in-house and contractual research that has received wide acclaim both at the national and international levels. Its research journal *Pakistan Perspectives* is regarded as one of the most prestigious journals of social sciences published in Pakistan. The Centre has also organized numerous international and national conferences apart from regular in-house seminars and symposia. The Master's programme of the Centre is based on a multi-disciplinary course which enables the students to compete in the civil service examination and also seek place in the teaching profession.

### Degree Programs Available

- M.A.
- M.S/Ph.D.
- Ph.D.

### Eligibility

**M.A.:** B.A./B.Sc/B.Com

**MS/Ph.D.:** Master's degree

### Allocated Seats

<b>M.A.:</b>	<b>50 Seats</b>
• B.A.	<b>30 Seats</b>
• B.A/B.Sc. (Hons.)	<b>06 Seats</b>
• B.Sc.	<b>08 Seats</b>
• B.Sc.(Home Economics)	<b>03 Seats</b>
• B.Com.	<b>03 Seats</b>

**M.S/Ph.D.:** As many as qualify for admissions.

### Facilities

The Centre provides all academic facilities to the students. It has an excellent library with over 16,000 titles. As per rules the Centre allows full and half freeships in the tuition fee. Students are also facilitated in conducting study tours to sites of historical and academic importance.

### Teaching and Assessment

The Centre follows the teaching and assessment rules of the University of Karachi and expects of its

students to follow the disciplinary rules laid down by the University.

### Career Opportunities

A Masters in Pakistan Studies is so trained that he/she may compete for any exam or test held for a post with a Master's degree requirement, with utmost confidence.

### Publications

Since 1985, Pakistan Study Centre has published 18 English and 23 Urdu books. The Centre also publishes a bi-annual research journal titled *Pakistan Perspectives*. So far 25 issues of the journal have been published.

### Faculty Members

#### Professor

Dr. Syed Jaffar Ahmed (Director)

#### Assistant Professors

Ms. Anwar Shaheen  
Ms. Navin G. Haider

#### Lecturers

Mr. Yasir Hanif  
Ms. Sadaf Masood

#### Adjunct Faculty

Prof. Dr. S.H. M. Jafri  
Prof. Sehar Ansari  
Prof. Dr. Fauzia Shamim  
Dr. Hilal Naqvi  
Dr. Azra Talat  
Dr. Huma Ghaffar  
Mr. Zahoor Ahmed  
Mr. M. Adeel Qureshi  
Mr. Muhammad Abid  
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## CENTRE OF EXCELLENCE FOR WOMEN'S STUDIES

### Introduction

The centre was established as a project in 1989 by the Ministry of Women Development, Government of Pakistan. For the last 21 years CEWS has had a special appeal for students from all over the country. The first M.A in Women's Studies in Pakistan began in 1996 at the University of Karachi. In 2002 Centre initiated M.Phil/Ph.D program. From 2004 the discipline of Women's Studies was introduced as a subsidiary course at First Year (Hons.) level. From January 2007 BS (Hons.) 4 years program was launched and from January 2010 M.A (Evening) program has also started. Innovative courses and seminars offered at the Centre, and research conducted here, aims at generating a functional knowledge base with the purpose of identifying hitherto under-used and neglected human resources for national growth.

Some of the aims of the Centre are to:

- ♀ Enhance the participation of women in mainstream national development through an effective and judicious use of information technology;
- ♀ Create a better understanding of the scope and concepts of Women's Studies in the context of Pakistan;
- ♀ Critically analyze the status and role of women, both historically and contemporaneously;
- ♀ Stimulate a dialogue on the status of women in Muslim societies, particularly in Pakistan, to help develop a better comprehension of faith, belief, traditions, and myths;
- ♀ Critically evaluate development approaches and strategies as they affect women in particular and the society in general;
- ♀ Help develop sustainable strategies for combating health, poverty, and environmental hazards; Enable students step into the practical life with trust in their potential as change makers.

### Resources at the Centre

The library has about 4000 books, encyclopedia, periodicals, rare books, journals, reports, bibliographies and other official documents. The library maintains press clippings on themes related to women in Pakistan. It also has a separate collection on Madar-e-Millat Mohtarma Fatima Jinnah.

### Publications

- ♀ *Pakistan Journal of Gender Studies*
- ♀ *Directory of Self-Employed Women of Karachi.*
- ♀ *Female Home-based Workers: The Silent Work Force* funded by ILO, 2003.

♀ *Trafficking of Women & Children in South Asia & Within Pakistan: A National Study, A Project of LHRLA supported by CIDA-Pakistan, 2000.*

♀ *Challenge for Change: Literacy for the Girl of Today, the Women of Tomorrow, 1995.*

♀ *Directory of Experts & Resource Persons in Women & Development in Pakistan, 1994.*

### Eligibility

BS & Honors: Intermediate or equivalent

M.A (Evening): Graduation

MS: Masters or BS (Hons.) or equivalent

### Career opportunities

Majority of CEWS graduates are now placed at various administrative positions in NGOs, International Welfare Organizations, Research Organizations, Planning and Development, Government, Semi-Government, Private Organizations and Teaching both at the local and national level. CEWS give priority to its students and employ as cooperative teachers and research associates. Along with this, Graduates of the Centre are working in different International, National and other organizations such as Ministry of Women and Development (MoWD) Islamabad, Women and Development Department (WDD) Sindh, Sindh University (Jamshoro), Kurrakurum University, Social Policy Development Centre (SPDC), Aga Khan Rural Support Program (AKRSP), World Wild Life Fund (WWF). They are also working in NGOs like Aurat Foundation, Shirkat Gah, War Against Rape (WAR), Health Oriented Preventive Education (HOPE), Madadgar, Pakistan Institution of Labour Education and Research (PILER), Labour Education Foundation (LEF), Society for the Protection of the Rights of the Child (SPARC), Society for the Advancement of Community Health, Education and Training (SACHET), Inter Press Communication (IPC), Rozan, etc.

### Faculty

Prof. Dr. Nasreen Aslam Shah  
(Director)  
Prof. Dr. Tahera Aftab  
Prof. Aslam Shah  
Dr. Shakila Rehman  
Ms. Shagufta Nasreen  
Ms. Asma Manzoor  
Ms. Aliyah Ali  
Ms. Saba Imran Ali  
Ms. Nafisa Bano  
Mr. Syed Faisal Hashmi  
Mr. M. Nadeemullah

### For Further Enquiry

021-99261654, 99261300-6 Ext.2441

Email: [cews@uok.edu.pk](mailto:cews@uok.edu.pk),

[cewsku@yahoo.com](mailto:cewsku@yahoo.com)

## AREA STUDY CENTRE FOR EUROPE (ASCE)

### Introduction

**A**rea Study Centre for Europe was established at the University of Karachi in the year 1974 by an Act of Parliament (ASC Act No. XLV, 1975) along with five other Area Study Centres in major state sector universities of Pakistan. The Centre undertakes research at M.S/Ph.D level. The research findings of the Centre's own research staff are published in the form of books, monographs and profiles. The Centre also publishes the bi-annual *Journal of European Studies*, with articles on contemporary European issues and related topics. The Centre is now focusing its research on the European Union, its politics, law, competition policy, economics and external relations. European Security, Common Foreign and Security Policy, Europe-Pakistan relations, Europe and the Muslim World and Europe's relations with the developing world are also amongst the subjects of research and teaching at the Centre. Since one of the aims of establishing the Area Study Centres was to provide feedback to policy makers in the country, the Centre also receives research proposals and assignments from the Foreign Office and other institutions of the Government of Pakistan. The Centre offers courses in French, German, Italian and English languages at the certificate level and diploma in the French language.

### Library

The Centre has a modest but well-equipped specialized library for research scholars and students. It has material on European history, politics, foreign policy, diplomacy, economy, culture, philosophy, law and legal institutions and contemporary developments in Europe. Lately the Centre has also begun acquiring books on European literature and Fine Arts. It has now acquired books on European Union-related subjects. The Library is used by university students, scholars and faculty members. The Centre also maintains an up-to-date press clippings service.

### Degree Program and Eligibility

M.S/Ph.D: Masters degree

### Certificate Courses in European Languages

The Centre offers courses in French, German, Italian and English languages at the certificate level, and diploma in French Language. These are elementary courses spread over two semesters.

### Cooperation with the European Commission

In September 1999, a European Union-sponsored program in European Studies was launched at the ASCE for a three-year period. It was a comprehensive program covering nearly all the activities of the Centre. Under this EU-sponsored program, the European Union rendered technical and financial assistance to the Centre. The updated curricula of the MS/Ph.D course work program (focused on European Union studies) was mostly taught in the first two years by Visiting Professors from European Universities and a Resident Expert from Europe. The Centre's Academic Staff, now trained in European Union subjects in European Universities, have, after completion of the program in August 2002, taken over the responsibility of teaching these advanced courses in the program.

### Seminars, Conferences and Workshops

The Area Study Centre for Europe arranges lectures, seminars and conferences on contemporary issues concerning Europe and the latter's relations with the rest of the world. Local and foreign scholars, faculty members and senior students participate in these programs. The Centre held its first international seminar in October 1995 on *Post-Cold War European Order and South Asia* in collaboration with the Hanns Seidel Foundation, (Munich, Germany). To-date the Centre has held an international seminar each year in collaboration with the Hanns Seidel Foundation. Eminent scholars from Europe, Africa, Asia and Pakistan participated in these events. The Centre also held three International Conferences in cooperation with the Goethe- Institut Karachi to promote inter-cultural dialogue between the West and Islam.

#### Faculty of the Centre

##### Professors

Dr. Naveed Ahmad Tahir (Director)

Dr. Syed Imdad Shah

##### Associate Professor

Dr. Rubab Hasan

##### Assistant Professors

Ms. Uzma Shujaat

Ms. Tasneem Sultana

##### Senior Research Fellows

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## APPLIED ECONOMICS RESEARCH CENTRE

### Introduction

The Applied Economics Research Centre was established in 1973, with funding from the Ford Foundation and the Provincial Government of Sindh. From its inception, the Centre has undertaken research on issues in applied economics, with a particular focus on agriculture, human resources, urban and regional economics and public finance. With subsequent growth of the Centre, its activities have broadened to include the advance training of economists from all parts of Pakistan.

A major development in this connection has been the introduction of its own post-graduate degree program, the Master of Applied Science (Economics), which began in 1977. Since 1989, this has been upgraded to a M.Phil./Ph.D. program. The advanced studies in economics train students to work in research organizations, development agencies and the private sector.

### Degree Programs Available

- MAS
- M.Phil. / MS
- Ph.D.

### Eligibility

- M.A./M.Sc. in Economics/M.Com./ MBA or Masters in any other discipline or equivalent degree from any university recognized by HEC in at least 2nd Division.
- Admission Test of GRE Pattern and Interview

### Allocated seats

- 45 (Morning)
- 45 (Evening)

### Facilities

- Excellent research library (full depository of IMF, ADB and World Bank Publications)
- Well-equipped computer lab with latest software
- Highly qualified faculty
- Individual student counseling

### Teaching and Assessment

Semester system as per University rules

### Career opportunity

Graduates from AERC are currently holding high level positions in organizations like The World Bank,

UNDP, State Bank of Pakistan, foreign universities and the private sector

### Research activities

A number of research or consultancy services are undertaken each year for a variety of clients.

### Publications

The Center's own bi-annual journal the Pakistan Journal of Applied Economics (PJAE), is internationally referred and widely recognized.

### Faculty members

There are 27 faculty members including 2 Professors, 4 Associate Professors, 06 Assistant Professor, 15 Lecturers

### For Further Enquiry

Telephone: +92-21-99261541-3

Website: [www.aerc.edu.pk](http://www.aerc.edu.pk)

Email: [aerc@cyber.net.pk](mailto:aerc@cyber.net.pk)

**APPENDIX – A**

**Eligibility for admission to BS & Honors First Year on open merit basis**

**Faculty of Arts**

S.No.	Department	Class	No. of Seats	Required eligibility
01.	Arabic	BS/H	50	Intermediate or equivalent
02.	Bengali	BS/H	20	i) Intermediate or equivalent ii) DAE or equivalent
03.	Economics	BS/H	100	'A' level/ H.S.C. (with Economics) /Intermediate Com
			50	Intermediate Science (with Physics, Mathematics or Stats).
<b>Note:</b> In case of vacant seats, allocation of seats for Arts or Science can be interchanged				
04.	Education	BS/H	50	Intermediate Arts, Science, Commerce and Home-Economics. Preference to be given with Education)
			02	DAE
05.	English	BS/H	50	i) 'A' Level (with English Lit) ii) 'A' Level (with English General [A,B or C grade]) iii) Intermediate (with at least 50% marks in Elective English) iv) Intermediate (with at least 50% marks in Advance English) v) Intermediate (with at least 60% marks in English Compulsory)
<b>Note:</b> Admissions will be given according to above order of priority.				
06.	General History	BS/H	90	Intermediate (Arts, Science, Com) 25 seats Intermediate with General History, 65 on open merit.
			10	DAE
<b>Note:</b> Incase of vacant seats, allocation can be interchanged.				
07.	International Relations	BS/H	50	Intermediate Arts with (Civics, General History, Economics, Sociology, Logic)
			15	Intermediate Science with 1 <sup>st</sup> division
			05	Intermediate Commerce with 1 <sup>st</sup> division
<b>Note:</b> Incase of vacant seats, allocation can be interchanged.				
08.	Islamic History	BS/H	100	i) Intermediate Arts (with Islamic History) ii) Intermediate Arts (Preference will be given to candidates

with Islamic Learning,  
General History.

Left-over seats will be given to Intermediate Arts, Science or Commerce.

09.	<b>Library &amp; Information Science</b>	BS/H	50	Intermediate
10.	<b>Mass Communication</b>	BS/H	35	Intermediate (Arts/Science/Commerce/ Home Economics) or equivalent DAE
<p><i>Note: i) Calculation of Merit = (Total % marks + % marks in English + % marks in Urdu) / 3</i>  <i>ii) For those who do not have Urdu(Compulsory) as a subject in the pre-requisite Exam, the merit formula will be = (Total % + % marks in English) / 2</i></p>				
11.	<b>Persian</b>	BS/H	40	Intermediate / DAE
12.	<b>Philosophy</b>	BS/H	60	Intermediate (Science, Arts, Commerce), Diploma in Fine Arts or equivalent.
13.	<b>Political Science</b>	BS/H	60 10	Intermediate (with Civics) Intermediate Science or Commerce (with at least 50% Marks).
14.	<b>Psychology</b>	BS/H	25 18 02	Intermediate Arts / Science (with Psychology) Intermediate Arts/Science/Commerce/Home Economics/Computer Science/A-Level with (1st division) DAE (with 1 <sup>st</sup> Division)
<p><b>Note:</b> In case of vacant seats, allocation can be interchanged.</p>				
15.	<b>Sindhi</b>	BS/H	75	Intermediate (with Sindhi as a Optional or Compulsory subject at HSC in Arts/Science/ Commerce)
16.	<b>Sociology</b>	BS/H	40 05	Intermediate Arts i. 1st division with Sociology. ii. 1st division with Economics Civic, Psychology, Education, Social Work or Statistics. iii. Intermediate with 45% marks in Sociology. iv. Intermediate with Economics, Civic, Psychology, Education, Social Work or Statistics Intermediate Science with at least 55% marks Intermediate Commerce with at Least 55% marks.

17.	<b>Social Work</b>	BS/H	35 05 05 05	Intermediate Arts Intermediate Science (Pre-Medical) Intermediate Science (Pre-Engineering) Intermediate Science (Computer Science)
18.	<b>Special Education</b>	BS/H	50	Intermediate Arts, Science, Commerce
19.	<b>Urdu</b>	BS/H	60	i)Intermediate with Urdu Advance (at least 45% marks) ii)Intermediate with Urdu Compulsory (at least 60% marks)
20.	<b>Women Studies</b>	BS/H	50	Intermediate or equivalent

**Faculty of Science**

S.No.	Department	Class	No. of Seats	Required eligibility
01	<b>Agriculture &amp; Agribusiness Management</b>	BS/H	50	Intermediate Science or equivalent
02.	<b>Applied Chemistry</b>	BS/H	96 15	Intermediate Science (with Mathematics, Physics, & Chemistry) DAE (with Chemical Technology)
03.	<b>Biochemistry</b>	BS/H	65	Intermediate Science (with Chemistry and Biology)
04.	<b>Botany</b>	BS/H	100	Intermediate Science (Biology Group)
05.	<b>Chemistry</b>	BS/H	120 05	Intermediate Science (with Chemistry) DAE
06.	<b>Food Science and Technology</b>	BS/H	24 06	Intermediate Science with Physics, Chemistry & Maths Intermediate Science with Physics, Chemistry and Biology
07.	<b>Geography</b>	BS/H	60 30 30	Intermediate Science (Pre-Engineering) Intermediate Science (Biology) Intermediate Arts (with Geography)
08.	<b>Geology</b>	BS/H	75	Intermediate Science (Pre-

Engineering/ Pre-Medical)

09.	<b>Mathematics</b>	BS/H	140	Intermediate Science / Arts (with Mathematics or Mathematics certificate course from University of Karachi).  DBA with Mathematics
10.	<b>Microbiology</b>	BS/H	90	Intermediate Science (with Biology)
11.	<b>Physics</b>	BS/H	120 06	Intermediate Science (with Physics and Mathematics) DAE (Electronics, Mechanical, Electrical, Radio, T.V.)
12.	<b>Physiology</b>	BS/H	100	Intermediate Science (with Biology)
13.	<b>Statistics</b>	BS/H	65 05 60	Intermediate Science/Arts (with  DAE (with Mathematics)  Intermediate Science/Arts (with Mathematics or equivalent
(Actuarial Science & Risk Management) examination with at least 50% marks)				
14.	<b>Zoology</b>	BS/H	120	Intermediate Science (Biology group)

**Faculty of Islamic Studies**

S.No.	Department	Class	No. of Seats	Required eligibility
01.	<b>Islamic Learning</b>	BS/H	100	Intermediate Arts, Science, Commerce (preference would be given to students who had optional Islamic Studies or Arabic)
02.	<b>Usool-uddin</b>	BS/H	50	Intermediate or equivalent

**Faculty of Pharmacy**

S.No.	Department	Class	No. of Seats	Required eligibility
01.	<b>Pharmacy</b>	Pharm-D	200	Intermediate Science (Biology Group) with at least 60% marks ('B' Grade)

**APPENDIX -B****Eligibility for admission to BS/Hons/ B.E./ BPA/ BBA on Aptitude Test basis**

Admissions to BS/Hons/ B.E./ BPA/ BBA in the following departments are granted on the basis of merit and aptitude test. Admission forms are separately issued for open merit and aptitude test bases. Candidates seeking admission to these departments should not mention departments of **Appendices A& E** in the form for admission on aptitude test basis.

S.No.	Department	Class	No. of Seats	Required eligibility
<b><u>Faculty of Arts</u></b>				
01.	<b>Visual Studies</b>	BS/H Architecture / Design / Fine Arts	90	Intermediate/ SBTE Fine Art / Design / Architecture with 60% marks
(Admission to Architecture requires HSC pre-engineering or equivalent)				
<b><u>Faculty of Science</u></b>				
01.	<b>Applied Physics</b>	BS/H	40	Intermediate (Pre-Engineering)
02.	<b>Biotechnology</b>	BS/H	60	Intermediate (Pre-Medical/Pre- Engineering)
03.	<b>Computer Science</b>	BS/H	105	Intermediate (with Mathematics) or equivalent with at least 55% marks Diploma of Associate Engineering with at least 65% marks.
Candidates with B.A./B.Sc. degrees are not eligible for admission in BS & Honors program				
04.	<b>Environmental Studies</b>	BS/H	25	Intermediate Science or equivalent
<b><u>Faculty of Engineering</u></b>				
01.	<b>Chemical Engineering</b>	B.E.	40	Intermediate Science (with Mathematics, Physics, Chemistry)
<b><u>Faculty of Management &amp; Administrative Sciences</u></b>				
01.	<b>Business Administration</b>	BBA	50	Intermediate (Arts, Science, Commerce) with at least 50% Marks
02.	<b>Public Administration</b>	BPA	60	Intermediate (Arts, Science, Commerce)
03.	<b>Commerce</b>	BS/H	30 30	Intermediate (Commerce) Intermediate (Arts/Science)

**APPENDIX- C**

**Major and Subsidiary subjects for BS & Honors in the Faculty of Science**

The subjects are to be selected according to the following table:

**MAJOR DEPARTMENT**

	<b>Subsidiary - I</b>	<b>Subsidiary - II</b>
<b>APPLIED CHEMISTRY</b>		
	Mathematics	Physics
<b>BIOCHEMISTRY</b>		
Chemistry	Botany	
Chemistry	Zoology	
Chemistry	Microbiology	
Botany	Zoology	
Microbiology	Botany	
Microbiology	Zoology	
Chemistry	Physiology	
Biostatistics	Mathematics	
Zoology	Physiology	
Botany	Physiology	
Physiology	Microbiology	
Biostatistics	Chemistry	
Biostatistics	Microbiology	
Biostatistics	Physiology	
Biostatistics	Zoology	
Biostatistics	Botany	
<b>BOTANY</b>		
Chemistry	Zoology	
Chemistry	Microbiology	
Chemistry	Geology	
Chemistry	Physiology	
Zoology	Geology	
Zoology	Geography	
Biochemistry	Zoology	
Biochemistry	Chemistry	
Biochemistry	Microbiology	
Biochemistry	Physiology	
Biostatistics	Zoology	
Biostatistics	Geography	
Biostatistics	Chemistry	
Biostatistics	Biochemistry	
Biostatistics	Physiology	
Biostatistics	Microbiology	
<b>CHEMISTRY</b>		
Physics	Mathematics	
Botany	Zoology	
Statistics	Mathematics	

Biochemistry	Botany
Biostatistics	Zoology
Biostatistics	Geography
Biostatistics	Physiology
Biostatistics	Biochemistry
Biostatistics	Microbiology
Biostatistics	Botany
Microbiology	Physiology
Microbiology	Botany
Botany	Geology
Zoology	Geology
Geography	Geology
Statistics	Mathematics
Biochemistry	Zoology
Biochemistry	Physiology
Biochemistry	Microbiology
<b>ECONOMICS</b>	
Geography	Geology
Chemistry	Geology
Chemistry	Microbiology
Chemistry	Geography
Mathematics	Statistics
Mathematics	Geography
Physics	Mathematics
<b>GEOGRAPHY</b>	
Mathematics	Physics
Mathematics	Economics
Geology	Chemistry
Geology	Mathematics
Chemistry	Geology
Botany	Zoology
Botany	Biostatistics
Zoology	Psychology
Chemistry	Biostatistics
Zoology	Biostatistics
Botany	Psychology
Mathematics	Statistics
Mathematics	Biostatistics
Geology	Biostatistics
<b>GEOLOGY</b>	
Chemistry	Physics
(Only for Pre-Engineering Group)	
Chemistry	Geography
Chemistry	Botany
Chemistry	Zoology
Botany	Zoology
Geography	Biostatistics
Geography	Mathematics
Mathematics	Physics

MATHEMATICS

Physics	Geology
Physics	Geography
Physics	Chemistry
Physics	Statistics
Geography	Statistics
Statistics	Economics
Physics	Economics
Geography	Economics
Chemistry	Geology
Geography	Geology
Geography	Chemistry
Geology	Statistics
Geology	Economics
Statistics	Chemistry
Chemistry	Economics

MICROBIOLOGY

Botany	Chemistry
Chemistry	Zoology
Biochemistry	Botany
Biochemistry	Zoology
Biochemistry	Chemistry
Biochemistry	Physiology
Biostatistics	Chemistry
Biostatistics	Biochemistry

PHYSICS

Mathematics	Chemistry
Mathematics	Economics
Mathematics	Geography
Mathematics	Geology
Mathematics	Statistics

PHYSIOLOGY

Biochemistry	Zoology
Biochemistry	Botany
Biochemistry	Chemistry
Biochemistry	Microbiology
Zoology	Botany
Zoology	Chemistry
Zoology	Microbiology
Botany	Chemistry
Botany	Microbiology
Chemistry	Microbiology
Biostatistics	Biochemistry
Biostatistics	Zoology
Biostatistics	Botany
Biostatistics	Microbiology
Biostatistics	Chemistry

PSYCHOLOGY

Mathematics	Statistics
Biochemistry	Physiology
Botany	Geography

Physiology	Zoology
Geography	Zoology
Microbiology	Zoology

STATISTICS

Mathematics	Physics
Mathematics	Chemistry
Mathematics	Geography
Mathematics	Psychology
Mathematics	Economics

ZOOLOGY

Biostatistics	Botany
Biostatistics	Biochemistry
Biostatistics	Geography
Biostatistics	Microbiology
Biostatistics	Physiology
Biochemistry	Botany
Biochemistry	Microbiology
Biochemistry	Physiology
Biochemistry	Chemistry
Botany	Geology
Chemistry	Botany
Chemistry	Microbiology
Chemistry	Geology
Physiology	Botany
Physiology	Microbiology
Botany	Chemistry
Botany	Geography

**Note:**

1. Students who offer Physics or Applied Chemistry as subsidiary should have passed the Intermediate or Higher Secondary Examination with Mathematics or Statistics.
2. Any student who has not passed Intermediate Science with Biology is not permitted to choose any subject from the Biology group.
3. For Psychology and Economics, rules regarding BS in Faculty of Arts will apply.
4. Only those students can offer Mathematics as a subsidiary subject who have taken Mathematics as an optional subject in the Intermediate, or who have passed certificate Course in Mathematics from Karachi University.

**All BS students are advised to select their subsidiary subjects in consultation with the Chairperson of their major Department.**

**APPENDIX -D**

**Major and Subsidiary subjects for BS & Honors in the Faculties of Arts and Islamic Studies**

Students of BS& Honors in the Faculties of Arts and Islamic Studies can select one major and two subsidiary subjects from the following subjects:

S.No.	Subject
01.	Arabic
02.	Bengali
03.	Economics
04.	Education
05.	English
06.	French*
07.	General History
08.	Geography
09.	International Relations
10.	Islamic History
11.	Islamic Studies
12.	Italian*
13.	Japanese*
14.	Library & Information Science
15.	Mass Communication
16.	Mathematics
17.	Persian
18.	Philosophy
19.	Political Science
20.	Psychology
21.	Sindhi
22.	Social Work
23.	Sociology
24.	Special Education

- 25. Urdu
- 26. Women Studies

*\* for Subsidiary only*

**In order to select Major and Subsidiary subjects the following points should be kept in mind:**

1. Students offering Economics as Major subject are not allowed to take Arabic, Persian, Urdu, Bengali or Sindhi as subsidiary subject.
  2. French, Japanese or Italian can be offered only as a subsidiary subject.
  3. A student offering one language as major subject is allowed to offer another language as subsidiary.
  4. A student offering Philosophy, Statistics or Geography as major can not offer Social Works as Subsidiary. However, a student offering Statistics as major has to offer Mathematics as subsidiary.
  5. A Student can offer either Psychology or Geography but not both.
  6. A student can offer only one subject from among General History, Islamic History, Islamic studies or Mathematics. However, Islamic History can be offered with Islamic studies. A student offering Islamic studies as major will have to follow rules governing BS in Islamic Learning.
  7. International Relations cannot be offered together with Political Science.
  8. A student offering Mass Communication as a major has to choose the subsidiary subject from the following two groups - one from each group:
    - Group A: Sociology, Psychology and Economics.
    - Group B: Islamic History, General History, Political Science, International Relations or any one language.
1. A student can offer Mathematics as subsidiary subject only if he / she have offered Mathematics as optional subject at Intermediate examination or have passed Certificate Course in Mathematics from Karachi University.

2. A student offering Islamic Studies as major subject can offer only one language from among Arabic, Persian, Urdu, Sindhi, English or Bengali.
3. The following subjects cannot be offered simultaneously as subsidiaries; only one from each group can be selected:

**Group A:** Psychology or Geography.

**Group B:** Sociology or Social Works

**Group C:** Political Science or International Relations

**Group D:** Islamic History or General History

4. Students offering Geography or Statistics as major subject will be governed by rules concerning BS of Science Faculty.
  5. A student may select the subject of Women Studies as a subsidiary in consultation with the Chairpersons of the major department.
14. Students offering Library and Information Science as major subject can not opt Arabic, Persian, Italian, French and German languages as subsidiary since these languages are offered as paper II in BS second year. However, Advance English and Advance Urdu can be opted.

**Note:** If a student selects a subsidiary subject which is not in accordance with the above directives, he/she will not be examined in that subject. Therefore, every student is directed to consult Chairperson of the major department before selecting subsidiary subjects.

A candidate choosing a wrong combination is bound to get the wrong subject changed with the permission of Chairperson / Concerned Dean.

**APPENDIX - E**

**Eligibility for admission to Masters on open merit basis**

**Faculty of Arts**

S.No.	Department	Class	No. of Seats	Required eligibility
01.	<b>Arabic</b>	Masters	50	i) B.A. (with Arabic) ii) B.A., B.Sc., B.Com. or equivalent with certificate in Arabic from some recognized institution. iii) <i>Al-Shahadat Al-Aalia</i> with Matric from any SSC Board*
*These candidates are required to submit complete equivalence certificate issued by the University of Karachi.				
02.	<b>Bengali</b>	Masters	20	B.A., B.Sc., B.Com., B.Sc.(Home Economics) (with Bengali)
03.	<b>Economics</b>	Masters	100 75	B.A., B.Com., B.Sc. (with Economics) B.Sc. (with Mathematics, Physics or Statistics).
In case of vacant seats, allocation of seats for Arts or Science can be interchanged on the basis of merit.				
04.	<b>Education</b>	Masters	50  04	i) 35 seats for B.A. with Education ii) 15 seats for B.A., B.Sc., B.Com., B.Sc.(Home Economics) (Preference to be given with Education) B.Ed.
05.	<b>English</b>	Masters	40	i) Graduation (with at least 45% marks in Elective English) ii) Graduation (with at least 55% marks in Compulsory English) <b>Note:</b> Admissions will be given according to above order of priority.
06.	<b>General History</b>	Masters	100	B.A., B.Sc., B.Com. (30 seats for B.A. with General History, 70 on open merit) <b>Note:</b> In case of vacant seats, allocation can be interchanged
07.	<b>International Relations</b>	Masters	70  15 05	B.A. 1 <sup>st</sup> division (with International Relations, Political Science, Economics, General History, Philosophy, Sociology, Mass Communication) B.Sc. with 1 <sup>st</sup> division B.Com. with 1 <sup>st</sup> division <b>Note:</b> In case of vacant seats, allocation can be interchanged.
08.	<b>Islamic History</b>	Masters	100	i) B.A. with Islamic History ii) B.A. with Islamic Learning, Islamic Culture, General History or Arabic. iii) B.A., B.Sc., B.Com.
09.	<b>Library &amp; Information Science</b>	B.L.I.S.	50  08	B.A., B.Sc., B.Com., B.Sc. (Home Economics) B.A. with Library Science (Minimum 55% marks)

- 02 Reserved for candidates who have worked in professional capacity in a library of a recognized institution for at least 3 years, who fulfill the following conditions:  
 i) Must be Second class graduate.  
 ii) Certificate from the Head of the Institution giving justification and recommendation for the degree.

(The condition of having graduated within the last five years will not apply to the applicants for these seats)

**If these seats remain vacant, they can be filled with applicants who have done B.A.**

M.L.I.S. 60 B.L.I.S. (Admissions to M.L.I.S. are granted at department's level. Detail may be obtained from the Chairperson of the Department.)

10. **Mass Communication** Masters 35 B.A., B.Sc., B.Com., B.Sc.(Home Economics) or equivalent

**Note:**

*i) Calculation of Merit = (Total % marks + % marks in English + % marks in Urdu) / 3*

*ii) For those who do not have Urdu(Compulsory) as a subject in the pre-requisite Exam, the merit formula will be = (Total % marks + % marks in English) / 2*

11. **Pakistan Studies** Masters 50 B.A./B.Sc./B.Com./B.A.(Hons)/B.Sc.(Home Economics)  
 30 for B.A., 3 for B.Com., 8 for B.Sc., 6 for B.A./B.Sc.(Hons) and 3 for B.Sc. (Home Economics)

12. **Persian** Masters 30 i) Graduation (with Persian)  
 ii) Graduation (with Diploma Khana Farhang-e-Iran, or Diploma in Persian Language from Karachi University.)  
 iii) Graduation with Advanced Urdu

13. **Philosophy** Masters 60 B.A., B.Com., B.Sc. or equivalent

14. **Political Science** Masters 100 B.A. (with Political Science)

15. **Psychology** Masters 30 B.A./B.Sc. (with Psychology)  
 23 B.A./B.Sc./B.Com./B.Sc.(Home Economics)/BBA/BPA/BS (Computer Science) with 1st division  
 02 MBBS/B.E. (with 1<sup>st</sup> Division)

**Note:** In case of vacant seats, allocation can be interchanged

16. **Sindhi** Masters 75 Graduation (with Sindhi Optional/ Compulsory subject)

17. **Sociology** Masters 40 **First preference:** B.A. (1st division with Sociology)  
**Second preference:** B.A. (1st division with Economics, Political Science, Psychology, Education, Social Work, Statistics, General History).  
**Third preference:** B.A. (with 45% marks in Sociology)

				<b>Fourth preference:</b> B.A (with Economics, Political Science, Psychology, Education, Social Work, Statistics, General History).
			5	B.Sc. with at least 50% marks
			10	B.Sc.(Home Economics) with at least 50% marks
			5	B.Com. with at least 50% marks
18.	<b>Social Work</b>	Masters	35	B.A. (with Social Work)
			10	B.A. (with Sociology or Psychology)
			5	B.Sc. (with Biology)
19.	<b>Special Education</b>	Masters	45	i) B.A. with Psychology, Education, Social Work or Sociology.
			20	ii) Graduation Special School nominations (Govt. and Non-Govt)
20.	<b>Urdu</b>	Masters	70	i) Graduation with Urdu Advance (at least 45% marks)
				ii) Graduation with Urdu Compulsory
		M.A. (Linguistics)	25	Candidate may apply for admission after completion of M.A.(Previous). Admissions are granted by the department.
21.	<b>Women Studies</b>	Masters	50	Graduation or equivalent

**Faculty of Science**

S.No.	Department	Class	No. of Seats	Required eligibility
01.	<b>Applied Chemistry</b>	Masters	12	B.Sc. (Industrial Technology)
03.	<b>Biochemistry</b>	Masters	30	B.Sc. (with Biochemistry) or B.Sc. Medical Technology with Physiology and Biochemistry
04.	<b>Botany</b>	Masters	50	B.Sc. (with Botany)
06.	<b>Chemistry</b>	Masters	30	B.Sc. with Chemistry (Pre Engineering)
			70	B.Sc. with Chemistry (Pre Medical/ Geography/Geology)
08.	<b>Genetics</b>	Masters	72	i) B.Sc. with Biology subjects (Zoology, Botany, Microbiology, Biochemistry, Physiology and Chemistry) ii) B.Sc. with Psychology, Geography, Geology or Statistics with any two subjects mentioned in (i). iii) B.Sc. (Medical Technology)/Agriculture/ B.Pharm. or equivalent. iv) B.Sc.(Honours Biology Group) 2 <sup>nd</sup>

conversion through chairperson. These students will not have to wait for one year after completion of two years B.Sc.

09.	<b>Geography</b>	Masters	25 20	B.Sc. (with Geography) B.A. (with Geography)
10.	<b>Geology</b>	Masters	15	B.Sc. (with Geology)
11.	<b>Health &amp; Physical Education</b>	Masters	50	i) B.P. Ed. (Bachelor degree in Physical Education) ii) B.A./B.Sc. (with Physical Education as a subject) iii) M.B.BS/B.Sc. (Physiotherapy / Medical Technology / O.T. / Nursing) / B.Pharm iv) B.A./B.Sc./B.Com. and participation in any game at College, City, Province or National level. v) B.E., BBA, BPA, L.L.B. and participation in any game at College, City, Province or National level.
12.	<b>Mathematics</b>	Masters	50	B.A./ B.Sc.(with Mathematics or Diploma in Mathematics from Karachi University)
13.	<b>Microbiology</b>	Masters	45 03	B.Sc. (with Microbiology) i) Bachelor of Veterinary Science ii) Bachelor of Veterinary Medicine iii) B.Sc. Medical Technology with Microbiology
14.	<b>Petroleum Technology</b>	Masters	20 15 05	B.Sc. and intermediate (Pre-Engineering) B.E./B.Sc. Engineering B. Tech.
15.	<b>Physics</b>	Masters	50	B.Sc.(with Mathematics and Physics)
16.	<b>Physiology</b>	Masters	35	i) Microbiology ii) Biochemistry iii) Zoology iv) Botany v) Chemistry M.B.BS D.V.M B.Sc. Physiotherapy } (B.Sc. Pass) Biology Group with at least 60 % marks
17.	<b>Statistics</b>	Masters	50 10	B.A./B.Sc. (with Mathematics and Statistics) B.A./B.Sc./B.Com.or equivalent with P.G.D. in Statistics.
18.	<b>Zoology</b>	Masters	120	B.Sc. (with Zoology)

S.No.	Department	Class	No. of Seats	Required eligibility
01.	<b>Islamic Learning</b>	Masters	50	B.A., B.Sc., B.Com. (Preference will be given to candidates with optional Islamic Studies in B.A.)
02.	<b>Quran-o-Sunnah</b>	M.A.	50	i) B.A. with (Optional Islamic Studies). ii) Al-Shahadat Al-Aalia with matric from any SSC Board*
*These candidates are required to submit complete equivalence certificate issued by the University of Karachi.				
03.	<b>UsoolUddin</b>	M.A.	50	i) B.A. with (at least 45% marks in Islamic Studies) ii) Al-Shahadat Al-Aalia with matric from any SSC Board*
*These candidates are required to submit complete equivalence certificate issued by the University of Karachi.				

S.No.	Department	Class	No. of Seats	Required eligibility
01.	<b>Commerce</b>	Masters	120	B.Com.

**APPENDIX -F****Eligibility for admission to M.A/ M.Sc./ MPA/ MBA on Aptitude Test basis**

Admissions to Masters Programs in the following departments are granted on the basis of merit and aptitude test. Admission forms are separately issued for open merit and aptitude test bases. Candidates seeking admission to these departments should not mention departments of **Appendices A& E** in the form for admission on aptitude test basis.

S.No.	Department	Class	No. of Seats	Required eligibility
01.	<b>Business Administration</b>	MBA	50	Graduation with at least 50% marks
02	<b>Public Administration</b>	MPA	50	Graduation (Two years)

S.No.	Department	Class	No. of Seats	Required eligibility
01.	<b>Applied Physics</b>	Masters	60	B.Sc. / B.Sc.(Hons.) (with Physics and Mathematics), BE Electronics and Electrical Engineering or equivalent
02.	<b>Biotechnology</b>	Masters	50	B.Sc. / B.Sc. (Hons) / B.Sc. (Medical Technology) with Microbiology or Biochemistry
03.	<b>Computer Science</b>	Masters	70	BCS from any recognized university or equivalent examination.
04.	<b>Environmental Studies</b>	Masters	25	B.Sc., B.Pharm., B.E., MBBS, B.Sc. (Nursing) or any relevant degree

**APPENDIX-G**

**THE FOLLOWING UNDERTAKING IS TO BE FURNISHED BY THE CANDIDATES FOR ADMISSION ON JUDICIAL STAMP PAPER OF RS.20/- AT THE TIME OF COMPLETING ADMISSION FORMALITIES**

**UNDERTAKING**

I \_\_\_\_\_ S/o , D/o \_\_\_\_\_ hereby undertake to abide by the following:

- i) That I shall not indulge in any political or unlawful activity at the campus.
- ii) That I shall strictly follow the University rules and regulations and maintain discipline.
- iii) That in case I violate the above undertaking, I may be expelled from the University without any further notice.

Place:  
Date:

Signature of the Applicant  
in the presence of:

Witness No.1  
Signature with official Seal, name & address:

Witness No.2  
Signature with official Seal, name & address

\_\_\_\_\_

\_\_\_\_\_

CNIC # \_\_\_\_\_

CNIC # \_\_\_\_\_

**(THE WITNESS MUST BE A GOVERNMENT OFFICER OF GRADE 17 OR ABOVE)**

**DECLARATION BY PARENT/GUARDIAN:**

I \_\_\_\_\_ Son / Wife of \_\_\_\_\_ adult, resident of \_\_\_\_\_  
(Name of parent/guardian) (Name of parent/guardian's father) (address of parent/guardian)

religion \_\_\_\_\_ CNIC # \_\_\_\_\_ do hereby state on solemn affirmation that I bind myself responsible to the declaration signed by my son/daughter/ward submitted as above to the University by him/her.

Signature of Parent

Solemnly affirmed and accepted before me this \_\_\_\_\_ day of \_\_\_\_\_, 2012 by Mr. \_\_\_\_\_  
(date) (month) (name of father/guardian)

who is identified by Mr. \_\_\_\_\_ who is personally known to me.  
(name of the person identifying)

Seal:

Date:

Signature of the Oath Commissioner

**APPENDIX - H****EVENING PROGRAM**

Evening Program admissions will be announced separately in December 2007 for BS and May 2008 for Masters.

However, the process of admission in the evening program of computer science (BS/BSSE/MCS) and Business Administration (MBA) is announced with the morning program of these Departments. The brochure of the Evening Program contain details about the courses offered, fee structure, and the relevant rules and regulations. Following Certificate, Diploma and Degrees are offered in evening program.

**CERTIFICATE PROGRAMS**

01. Mass Communications
02. Persian
03. Mathematics
04. Petroleum Technology
05. Urdu

**DIPLOMA PROGRAMS**

01. Contemporary Arabic
02. Criminology
03. Economics and Finance
04. Environmental Sciences
05. International Relations
06. Local Government (DLG)
07. Mathematics
08. Persian
09. Petroleum Technology
10. Public Administration (PGDPA)
11. Quranic Arabic
12. Speech & Language Pathology

**BACHELOR'S PROGRAMS**

01. Agriculture & Agribusiness Management
02. Applied Chemistry
03. Applied Physics
04. B. Com
05. B.B.A
06. Biochemistry
07. Botany
08. Chemistry
09. Computer Science (BSCS/BSSE)
10. Economics
11. English
12. Environmental Studies
13. Food Science & Technology
14. International relations
15. Mass Communication B.A.(Hons.)
16. Pharmacy (Pharm-D)
17. Physiology
18. Psychology
19. Public Administration (BPA)
20. Sociology
21. Special Education
22. Women studies
23. Zoology

**MASTER'S PROGRAMS**

01. Administrative Sciences (MAS)
02. Applied Physics (with specialization in Electronics)
03. Applied Statistics
04. Audiology and Speech Pathology
05. Biochemistry
06. Botany
07. Business Administration
08. Chemistry
09. Commerce M.Com. (General / Insurance)
10. Computer Science
11. Criminological Sciences
12. Criminology
13. Economics
14. Economics & Finance
15. English
16. English (Literature / Linguistic)
17. Environmental Sciences
18. Health and Physical Education
19. Industrial & Business Mathematics (M.I.B.M)
20. International Relations
21. M. Pharm.
22. Mass Communications
23. Microbiology
24. Petroleum Technology
25. Physics (with spec. in Electronics & Communications)
26. Physiology
27. Population Sciences
28. Public Administration- MPA
29. Sociology
30. Transport management
31. Zoology
32. MS Remote Sensing and Geographical Information Systems

## APPENDIX – I

**Closing percentage by category and eligibility for BS(Hons) Admissions- 2011  
(These percentages are only for guidance and not applicable for admissions  
2012)**

S. No.	DEPARTMENT NAME	DEPTT. CODE	CATEGORY		
			K	S	P
1	ACTUARIAL SCIENCE & RISK MANAGEMENT	ACT	74.18	--	--
2	AGRICULTURE	AGR	66.82	--	--
3	AGRICULTURE (with DAE)	agr	68.67	--	--
4	APPLIED CHEMISTRY	ACH	75.18	--	--
5	APPLIED CHEMISTRY (DAE)	ACH	61.45	--	--
6	ARABIC	ARB	45.36	--	47.36
7	BENGALI	BEN	56.82	80.63	--
8	BIOCHEMISTRY	BCH	76.64	--	--
9	BOTANY	BOT	65.45	--	--
10	CHEMISTRY	CHM	74.55	84.09	--
11	CHEMISTRY (DAE)	CHM	69.88	--	--
12	ECONOMICS (SCIENCE)	ECO	70.09	--	--
13	ECONOMICS (with ECO or COM)	ECO	67.00	--	--
14	EDUCATION (DAE)	EDU	67.34	--	--
15	EDUCATION (Merit)	EDU	65.82	67.36	--
16	EDUCATION (with EDU)	EDU	46.00	57.72	--
17	ENGLISH ('A' Level, with literature)	ENG	75.91	--	--
18	ENGLISH (Compulsory with =>60% marks)	ENG	74.09	--	--
19	ENGLISH (Elective with =>50% marks)	ENG	54.82	--	--
20	ENGLISH (Advance with =>50% marks)	ENG	47.36	--	--
21	ENGLISH (HSC after 'O' Level)	ENG	54.36	--	--
22	FOOD SCIENCE (Biology)	FST	83.73	--	--
23	FOOD SCIENCE (Maths)	FST	78.64	--	--
24	GENERAL HISTORY (DAE)	GHS	54.23	--	--
25	GENERAL HISTORY (Merit)	GHS	57.36	--	--
26	GENERAL HISTORY (with GHS)	GHS	--	--	--
27	GEOGRAPHY (Biology)	GGR	62.36	--	--
28	GEOGRAPHY (Maths)	GGR	60.73	--	--
29	GEOGRAPHY (with GGR)	GGR	50.09	--	47.90
30	GEOLOGY	GEO	71.91	--	--
31	INTERNATIONAL RELATIONS (COMMERCE)	IRL	76.00	63.27	--
32	INTERNATIONAL RELATIONS (SCIENCE)	IRL	76.09	--	--
33	INTERNATIONAL RELATIONS (with CIV, GHS, ECO, SCL, LOG)	IRL	55.09	--	--
34	ISLAMIC HISTORY (Merit)	HIS	53.36	--	--
35	ISLAMIC HISTORY (with IHS)	HIS	47.18	--	--
36	ISLAMIC HISTORY (with ISL, GHS, ARB)	HIS	45.36	--	--
37	ISLAMIC LEARNING (Merit)	ISL	48.73	--	--
38	ISLAMIC LEARNING (with ISL)	ISL	78.55	--	--
39	LIBRARY & INFORMATION SCIENCES	LSC	61.09	--	--
40	MASS COMMUNICATION ( According to formula)	MCD	75.67	--	--
41	MASS COMMUNICATION (DAE) (According to formula)	MCD	71.52	--	--
42	MATHEMATICS	MAT	70.64	--	--
43	MICROBIOLOGY	MBI	76.91	--	--
44	PERSIAN	PER	54.64	--	--
45	PHARMACY	PHM	78.00	--	--

46	PHILOSOPHY	PHI	85.18	--	--
47	PHYSICS	PHY	68.73	--	--
48	PHYSICS (DAE)	PHY	67.69	--	--
49	PHYSIOLOGY	PHZ	73.55	--	--
50	POLITICAL SCIENCE (SCI, COM)	POL	71.45	82.81	--
51	POLITICAL SCIENCE (with CIV)	POL	45.73	--	53.63
52	PSYCHOLOGY (DAE)	PSY	68.72	--	--
53	PSYCHOLOGY (Merit)	PSY	76.09	--	--
54	PSYCHOLOGY (with PSY)	PSY	47.81	--	65.45
55	SINDHI	SND	46.36	48.00	--
56	SOCIAL WORK (Arts)	SWK	45.09	--	52.36
57	SOCIAL WORK (Computer Science)	SWK	53.09	--	--
58	SOCIAL WORK (Pre-Engineering)	SWK	64.90	--	--
59	SOCIAL WORK (Pre-Medical)	SWK	64.00	--	--
60	SOCIOLOGY (COMMERCE)	SCL	69.54	--	--
61	SOCIOLOGY (SCIENCE)	SCL	71.90	--	--
62	SOCIOLOGY (with ECO, CIV, PSY, EDU, SWK, STA, scl)	SCL	47.27	58.45	54.63
63	SPECIAL EDUCATION	SPE	57.09	--	--
64	STATISTICS (with MAT)	STA	68.00	--	--
65	STATISTICS (DAE+MAT)	STA	68.16	--	--
66	URDU (with urdu )	URD	48.45	51.00	60.27
67	USOOL-UD-DIN	USD	45.00	61.72	--
68	WOMEN'S STUDIES	WST	53.90	--	--
69	ZOOLOGY	ZOO	68.90	--	--

**APPENDIX – J**

**Closing percentage by category and eligibility for BS(Third Year)/Masters Admissions- 2011  
(These percentages are only for guidance and not applicable for admissions 2012)**

S. NO	DEPARTMENT NAME	DEPTT CODE	CATEGORY		
			"K"	"S"	"P"
1	ARABIC	ARB	45.83	54.00	48.00
2	BIOCHEMISTRY	BCH	57.38	--	--
3	BOTANY	BOT	45.31	54.94	46.06
4	CHEMISTRY (PRE-ENGINEERING)	CHM	51.31	--	--
5	CHEMISTRY (PRE-MEDICAL)	CHM	64.13	--	--
6	COMMERCE	COM	63.55	--	--
7	ECONOMICS (SCIENCE)	ECO	48.06	--	54.86
8	ECONOMICS (with ECO or COM)	ECO	51.82	--	--
9	EDUCATION (B-ED)	EDU	46.60	--	79.00
10	EDUCATION (MERIT)	EDU	55.73	46.67	46.36
11	EDUCATION (with EDU)	EDU	54.20	--	--
12	ENGLISH (COMPULSORY)	ENG	58.00	--	--
13	ENGLISH (ELECTIVE)	ENG	48.00	--	--
14	GENERAL HISTORY (MERIT)	GHS	45.45	59.70	46.55
16	GENERAL HISTORY (with GHS)	GHS	48.60	--	--
17	GENETICS	GEN	45.19	62.33	54.36
18	GEOGRAPHY (ARTS)	GGR	49.60	--	48.90
19	GEOGRAPHY (SCIENCE)	GGR	--	51.03	50.36
20	GEOLOGY	GEO	49.88	--	54.50
21	HEALTH & PHYSICAL EDUCATION	HPE	47.87	--	51.82
23	INTERNATIONAL RELATIONS )COMMERCE)	IRL	60.10	60.92	--
24	INTERNATIONAL RELATIONS (SCIENCE	IRL	63.00	60.79	63.13
25	INTERNATIONAL RELATIONS (with CIV, GHS, ECO, SCL, LOG)	IRL	60.20	62.40	60.00
26	ISLAMIC HISTORY (MERIT)	IHS	48.30	--	--
27	ISLAMIC HISTORY (with IHS)	IHS	45.70	--	45.30
28	ISLAMIC HISTORY (with ISL, GHS, ARB)	IHS	46.40	--	49.25
29	ISLAMIC LEARNING (with ISL & ARB)	ISL	45.30	62.30	46.00
30	ISLAMIC LEARNING (MERIT)	ISL	46.40	52.44	48.60
31	LIBRARY & INFORMATION SCIENCES	LSC	45.83	--	50.19
32	LIBRARY & INFORMATION SCIENCES(with LSC=> 55% marks)	LSC	--	--	50.19
33	MASS COMMUNICATION (According to formula)	MCD	58.55	--	--
34	MATHEMATICS	MAT	48.07	62.91	59.25
35	MICROBIOLOGY	MBI	47.35	--	48.53
36	PAKISTAN STUDIES (ARTS)	PKS	45.50	46.60	49.25
37	PAKISTAN STUDIES (COMMERCE)	PKS	52.00	57.47	--
38	PAKISTAN STUDIES (SCIENCE)	PKS	--	--	58.10
39	PETROLEUM TECHNOLOGY (B.E-ENGINEERING)	PET	53.85	64.13	68.67
40	PETROLEUM TECHNOLOGY (BTC)	PET	--	--	65.28

41	PETROLEUM TECHNOLOGY (PRE-ENGINEERING)	PET	45.13	46.79	60.19
42	PHILOSOPHY	PHI	45.50	--	50.36
43	PHYSICS	PHY	47.94	47.58	47.63
44	PHYSIOLOGY	PHZ	60.13	60.31	60.56
45	POLITICAL SCIENCE	POL	45.00	48.20	45.64
46	PSYCHOLOGY (MERIT)	PSY	60.00	62.06	60.40
47	PSYCHOLOGY (with PSY)	PSY	49.00	54.70	--
48	QUR'AN AND SUNNAH	QES	45.50	50.67	61.33
49	SINDHI	SND	46.30	61.64	--
50	SOCIAL WORK (BIOLOGY)	SWK	--	--	48.90
51	SOCIAL WORK (SCL or PSY)	SWK	45.20	--	55.82
52	SOCIAL WORK (with SWK)	SWK	55.10	--	65.75
53	SOCIOLOGY (COMMERCE)	SCL	55.36	--	--
54	SOCIOLOGY (HOME-ECONOMICS)	SCL	52.07	--	--
55	SOCIOLOGY (SCIENCE)	SCL	51.81	65.94	52.55
56	SOCIOLOGY (with ECO, CIV, PSY, EDU, SWK, STA)	SCL	56.80	50.00	--
57	SOCIOLOGY (with SCL)	SCL	54.20	62.50	56.50
58	SPECIAL EDUCATION	SPE	47.20	--	51.13
59	STATISTICS (PGD)	STA	46.45	--	--
60	URDU (with URDU)	URD	46.80	--	48.55
61	USOOL-UD-DIN	USD	46.00	56.33	50.00
62	WOMEN'S STUDIES	WST	45.00	50.18	50.71
63	ZOOLOGY	ZOO	45.94	51.89	46.63

**APPENDIX- K**  
**IMPORTANT SEMESTER RULES**

Below are the few important semester rules taken from the Semester Rules Book-2002 for the convenience of the students in order to remove their difficulties which they face very soon after getting admission:

**Rules for BS & Honors Program**

**Subsidiary Subjects**

(i) A student will choose two subjects as Subsidiary Subjects out of the approved list of combination of such subjects, in addition to a Major subject.

(ii) The allocation of subsidiary subjects will be decided by the Dean in consultation with the Chairperson of the Department.

**Course Requirement**

Humanities will be offered to only those students who do not have Urdu as their Mother tongue. Science Students are ineligible to take Natural Science. Arts students who have passed science subject at Intermediate or A/O levels are also not eligible to take Natural Science.

**Grade Point & CGPR Formula**

Following is the table for Numeric & Alphabetical grades with Grade Point & CGPR formula for BS (Four Years) degree program:

**Grade Point Table**

Numeric Score	Alphabetic Grade	Grade Point
90 & above	A+	4.0
85-89	A	4.0
80-84	A-	3.8
75-79	B+	3.4
71-74	B	3.0
68-70	B-	2.8
64-67	C+	2.4
61-63	C	2.0
57-60	C-	1.8
53-56	D+	1.4
50-52	D	1.0
BELOW 50	FAILS	0.0

**Formula**

Grade points in a course= (Credit hours of the course)x (Grade point equivalent to the score given in the grade point)

CGPR = (Total Grade Points in all the courses)/(Total number of Cr. Hrs.)

\* For the award of BS degree a student will have to obtain a minimum of 2.2 CGPR. A student who will be declared short of CGPR shall improve it in the next available single chance by appearing in two courses having less than 61 marks, i.e. C<sup>-</sup>, D<sup>+</sup> or D Grade.

Appearance in the mid-term exam is compulsory for each student, otherwise he/ she would be declared fail in that paper. Such candidates have to appear in the mid-term test in the next year.

**CHANGE OF SUBJECTS**

a. Student can change the major subject in the second year if they obtain A-grade in both the semesters in their minor subject, which they want to offer as their major subject, provided that they have passed all the courses of first year and secured total aggregate of 60% provided further that the Chairpersons have no object to this change subject to the availability of subsidiary combination.

b. Students seeking change in any of the minor subject can apply for change within 30 days of the start of the semester of 1<sup>st</sup> year as well as 2<sup>nd</sup> year. All such permissions would be granted by the Dean on the recommendation of the Chairperson, provided there is a provision of such combination in the statutes.

**Assessment**

(a) A minimum of 50% marks are required to pass. Both theory and practical exams are separate passing heads.

**Rules for Masters Program**

**Conditions for Thesis/ Projects**

1. M.A./M.Sc./M.Com./BS Final year students who have passed all the earlier courses and secured an average of minimum of 65% marks in 500 level courses, may be allowed to offer a thesis equivalent to 6 credit hours in lieu of two courses.

2. Students of M.A./M.Sc./M.Com./BS Final may be permitted to offer one project or research report in lieu of one course of 3 credit hours, provided he/she

secures minimum of 605 marks in 500 level courses, whereas in Sociology and Social Work it will be in lieu of 2 courses (called to be thesis) and in Library and Information Science it will be in lieu of one special course of 4 credit hours during the final year of their studies.

3. Students will not be allowed to write thesis and work on projects at the same time.

\*Thesis/Project should be submitted on the last date of 2<sup>nd</sup> Semester Examination. However, a grace period of 40 days may be given by the Chairperson of the Department.

#### **Assessment**

(a) A minimum of 40% marks are required to pass. Both theory and practical exams are separate passing heads.

(b) For M.B.A. 2.2 CGPR and where Grade Point System adopted before 2006, a minimum of 2.45 CGPR is required to obtain Master Degree.

#### **General Rules**

#### **PROMOTION RULES**

1. Students shall not be promoted to the next higher class if he/she fails to clear 80% of courses.

2. A student repeating a course shall not be given a rank in order of merit.

#### **ASSESSMENT**

The assessment of student's performance will be made out of 100 marks fixed for a course in general.

#### **FAILURES / REPETITION**

1. If a student is unable to complete the attendance requirement in any course, he/she shall be required to attend the entire course whenever it is offered again. He/She will become eligible for taking the examination in the particular course only after he/she has completed its attendance requirement. Such a student shall pay a prescribed fee for attending the classes as Casual Student.

2. If a student, after completing the attendance requirement, does not appear or fails in the terminal examination of a course, he/she will be allowed to re-appear not more than twice in the terminal examination when it is offered in the next session after the payment of prescribed examination fee as Repeater Student.

3. A repeater student who fails to clear a course / courses in three regular, available chances will not be eligible to re-appear. He/She may be allowed as a last chance to attend the classes of the course/courses he/she failed to clear. Permission to appear in the examination will be subject to completing attendance requirements.

4. If a student has failed in only one paper of a degree program and he/she declared to attend fresh classes as 3<sup>rd</sup> time failure shall be allowed to take condense classes to complete his degree program and to appear in the examination, provided he/she is losing one year if asked to attend fresh classes in regular semester.

#### **CANCELLATION OF ADMISSION / RE-ADMISSION**

If a student admitted in BS 1<sup>st</sup> year or Masters (Prev.) or Pharm-D 1<sup>st</sup> Year class for the first time fails to attend the class for the 15 days, his/her admission shall stand cancelled. A student who has failed more than 50% courses in a year, his/her admission shall be cancelled. Cancelled admission of those students who fails in >50% of courses in their first academic year will be restored by Dean with Chairperson's recommendation.

**APPENDIX- L****ADMISSION FEE (FIRST SEMESTER 2010)**

Admission and Tuition fees for the new entrants are as follows (Fee once deposited is non-refundable):

Department	B.S. Hons.	B.S. Third Year/
<b>FACULTY OF ARTS</b>		
Arabic	3050	3100
Bengali	3050	3100
Economics	3050	3100
Education	3050	3100
English	3050	3100
General History	3050	3100
International relations	3050	3100
Islamic History	3050	3100
Library & Information Science	3050	3100
Mass Communication	3050	3100
Pakistan Studies	xxx	3150
Persian	3050	3100
Philosophy	3050	3100
Political Science	3050	3100
Psychology	3050	3100
Sindhi	3050	3100
Social Work	3050	3100
Sociology	3050	3100
Special Education	3050	3100
Urdu	3050	3100
Visual Studies	15000	xxx
Women Studies	6930	6930
<b>FACULTY OF ENGINEERING</b>		
Chemical Engineering	3050	xxx
<b>FACULTY OF ISLAMIC STUDIES</b>		
Islamic Learning	3050	3100
Usooluddin	xxx	3100
Quran & Sunnah	xxx	3100
<b>FACULTY OF PHARMACY</b>		
Pharm-D	3600	3650
<b>FACULTY OF MANAGEMENT &amp; ADMINISTRATIVE SCIENCES</b>		
Business Administration	25155	25155
Commerce	3050	3100
Public Administration	8600	9600
<b>FACULTY OF SCIENCE</b>		
Agriculture and Agribusiness Management	13500	13500
Applied Chemistry	3100	3150
Applied Physics	3100	3150
Biochemistry	3100	3150
Biotechnology	3100	3150
Botany	3100	3150
Chemistry	3100	3150
Computer Science	13650	13400
Environmental Studies	10350	10350
Food Science & Technology	3100	3150
Genetics	xxxx	3150
Geography	3100	3150
Geology	3100	3150
Health & Physical Education	xxx	7500
Mathematics	3100	3150
Microbiology	3100	3150
Petroleum Technology	xxx	8750
Physics	3100	3150
Physiology	3100	3150
Statistics	3100	3150
Zoology	3100	3150

**APPENDIX- M****Reserved Seat for Sindh, Balochistan, FATA, Northern Areas, AJK and Armed Forces**

S. No	Department	Sindh	Balochistan	Armed Forces	FATA/Northern				
		BS (Hons)	BS (3rd yr)/Masters	BS (Hons)	BS (3rd yr)/Masters	BS (Hons)/BS (3rd yr)/Masters	BS (Hons)	BS (3rd yr)/Masters	
	Actuarial Science	2	x	2	x	x	x	x	
	Agriculture & Applied	1	1	1	2	x	x	x	
	Applied Physics	2	x	2	x	1	x	x	
	Arabic	1	1	x	x	1	x	x	
	Bio-Chemistry	x	x	x	x	1	x	x	
	Biotechnology	x	x	x	x	x	x	x	
	Botany	2	2	x	x	x	x	x	
	Business	x	x	x	x	x	1	2	
	Chemical	1	1	x	x	2 (MBA)	x	x	
	Chemistry	1	x	x	x	x	x	x	
	Chemistry	x	x	x	x	1	x	x	
	Economics	x	x	x	x	2	x	2	
	English	x	x	x	x	1	x	x	
	Food Science & General History	2	x	x	x	x	x	x	
	Genetics	x	x	x	x	1	x	x	
	Geography	x	2	x	2	1	x	x	
	Geology	x	x	x	x	3	x	x	
	International	x	x	x	x	2	x	x	
	Islamic History	x	x	x	x	1	x	x	
	Islamic Learning	x	x	x	x	1	x	x	
	Library & Commerec	x	x	x	x	1	x	x	
	Mathematics	x	x	x	x	1 (M.Com)	x	x	
	Microbiology	x	x	x	x	1	x	2	
	Persian	x	x	x	x	1	x	x	
	Petroleum	x	x	x	x	1	x	x	
	Petroleum	x	2	x	2	x	x	x	
	Pharmacy	2	x	x	x	2	2 (AJK)	x	
	Philosophy	x	x	x	x	1	x	x	
	Physics	x	x	x	x	1	x	2	
	Physiology	2	1	2	1	1	x		
	Political Science	x	x	x	x	1	x	2	
	Psychology	x	x	x	x	1	x	2	
	Social work	x	x	x	x	1	x	x	
	Sociology	x	x	x	x	1	x	x	
	Special Education	2	2	1	1	x	x	x	
	Statistics	x	x	2	2	x	x	x	
	Urdu	x	x	x	x	1	x	x	
	Zoology	x	x	x	x	1	x	x	

ACADEMIC CALENDAR 2012

## FIRST SEMESTER 2012

Orientation Day	2 <sup>nd</sup> January 2012
Teaching	3 <sup>rd</sup> January 2012 -30 <sup>th</sup> April 2012
Preparatory Leave for Examinations	1 <sup>st</sup> May 2012 - 3 <sup>rd</sup> May 2012
Semester Examinations	4 <sup>th</sup> May 2012-19 <sup>th</sup> May 2012
Summer Holidays	20 <sup>th</sup> May 2012-15 <sup>th</sup> July 2012

## SECOND SEMESTER 2012

Teaching	16 <sup>th</sup> July 2012 – 12 <sup>th</sup> November 2012
Preparatory Leave for Examinations	13 <sup>th</sup> November 2012 – 15 <sup>th</sup> November 2012
Semester Examinations	16 <sup>th</sup> November 2012 – 30 <sup>th</sup> November 2012
Winter Holidays	1 <sup>st</sup> December 2012 – 31 <sup>st</sup> December 2012
Announcement of Results	20 <sup>th</sup> December 2012

Note: a) The date for extra-curricular activities shall be announced later.

b) The University of Karachi shall observe Federal and Provincial gazetted holidays, but examinations will be held as per schedule.

c) Eid Holidays are subject to citation of moon.

