

Department of

Arabic

Introduction

The department of Arabic is enjoying the patronage of renowned scholars of international repute. The cautiously designed syllabus has considered the needs of students and the contemporary literary world that is a confluence of ancient and modern Arabic Literature, Language and Linguistics. Besides academic activities, co-curricular activities are also stressed like extension lectures, debates, study tours, picnics and other events to discover, enhance and polish the abilities and talent of the students.

At present fifty seven (57) courses of Arabic Literature, Language and Linguistics are taught including computer and research methodology.

Facilities

There is a well-stocked Seminar Library in the department containing books on almost all relevant subjects, a state-of-the-art Computer Lab with internet facility and modern audiovisual aids.

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

Assistant Professors

- Ms. Fatema Zainab (*In charge*)
- Mr. Asif Saleem
- Dr. Muhammad Imran Latif Khokar
- Dr. Muhammad Abdul Hameed Nabeel

Programs Available

- B.A. (Hons.)
- M.A.
- M. Phil./Ph.D.
- Certificate Course (Arabic)
- Diploma in Qur'anic Arabic
- Diploma in Contemporary Arabic
- (PGD) Post Graduate Diploma in Functional Arabic

For Further Enquiry

Telephone: 99261300-06 Ext- 2273

Website: www.uok.edu.pk/faculties/arabic

Email: arabic@uok.edu.pk

Department of

Bengali

Introduction

Established in 1953, the department of Bengali at the University of Karachi offers regular programs at graduate and post graduate levels. These programs enable students to develop a meaningful understanding and appreciation of Bengali literature and its history beginning from the ancient to modern era.

Facilities

There are about 2000 books on Bengali literature in the seminar library.

Specific Research Areas

The students are required to produce research at various levels, ranging from short assignments to the optional final year thesis.

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 levels. Furthermore, opportunities of working in Bangladeshi banking sector, including Arif Habib Rupali Bank, and in various government departments are available to them. They may also go for research, or work as translators and interpreters.

Faculty Member

Associate Professor

- Dr. Mohammad Abu Tayyub Khan (*Chairman*)

Programs Available

- B.A. (Hons.)
- M.A.
- Bengali Certificate Course

For Further Enquiry

Telephone: 99261300-06 Ext- 2319

Website: www.uok.edu.pk/faculties/bengali

Email: bengali@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 as the first Chairman of the department. Due to its academic stance the department of Economics has the distinction of being recognized as a premier department in the country. Many of its graduates, have had secured key positions at various national as well as international organizations. 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 from the Sindh Government.

Facilities

The seminar library has a good collection of books and periodicals related to Economics, Finance and Transport, In order to fill the gaps, an inter-library books borrowing and lending facilities are also available with other major libraries in the city. The department has two well-equipped computer labs.

Specific Research Areas

The research interest of the teaching faculty includes: International / Global Economics; Monetary Economics; Islamic Economics; Innovation & Productivity; Globalization Economics Growth; Development Economics; Banking & Finance; Human Resource Management and Financial Economics.

Career Opportunities

Graduation from Economics Department provides an opportunity of fresh graduates to secure respectable positions in various national and international institutions. They include State Bank of Pakistan; Planning Commission; Ministry of Finance & Economics Affairs; national and private banks; research institutions and finance & brokerage companies; teaching positions in universities and colleges; and mid-career level managerial position in national and multinational companies.

Faculty Members

Professor

- Dr. Khalid Mustafa (*Chairman*)

Associate Professor

- Dr. Abdul Waheed

Assistant Professors

- Ms. Rubina Hassan
- Dr. S. Viqar Hussain
- Mr. Syed Muhammad Ali
- Mr. Muhammad Ahsanuddin
- Dr. Roohi Ahmed
- Ms. Safia Qamar
- Ms. Seema Siddiqui Hai
- Dr. Nooreen Mujahid
- Mr. Mirza Muhammad Shehzad
- Dr. Rummana Zaheer
- Ms. Saba Masood
- Ms. Lubna Naz
- Mr. Muhammad Haseeb

Lecturers

- Mr. Zeeshan Atique
- Ms. Rabia Shakir
- Mr. Muhammd Umair

Programs Available

- B.A./B.Sc. (Hons.) (Evening & Morning)
- M.A./M.Sc. (Evening & Morning)
- M.E.F. (Evening only)
- PGDEF (Evening only)
- M.T.M. (Evening only)
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext- 2270

Website: www.uok.edu.pk/faculties/economics

Email: khalidm@uok.edu.pk

Department of

English

Introduction

The department of English was established in 1955. It was located in Shivjee Murarji building in Nanakwara. Later in January 1960 when the university moved to its present location, the department was housed on the first floor of the Old Block in the faculty of Arts. Professor Dr. Ahsan Farooqui was the first head of the department. Prof. Dr. Ali Ashraf, Prof. Maya Jamil, Prof. Dr. Muzaffar Hussain and Prof. Dr. Kalim-ur-Rahman were among notable chairpersons. (Late) Prof. Maki Kureshi is one of the internationally reputed Pakistani English poets. The department offers masters programs in both English literature and linguistics in the Morning as well as Evening.

Facilities

- Department Seminar Library
- Audio-Visual Lab
- Cassette Library for the Blind

Specific Research Areas

- Early Modern English Literature
- American Literature
- Literary Theory
- Romanticism
- Comparative Literature
- English Syntax
- World Englishes
- Sociolinguistics
- Phonology
- Discourse Analysis
- Bilingualism

Career Opportunities

Students of the department of English have entered a variety of vocational fields. Some of these fields are: CSS, Advertising, Media (TV, Radio, Newspapers, Magazines, etc.) Banking, Business, Teaching, Educational Administration, Research, Translation, to mention only a few. Excellent job opportunities are available for the students of English department in the country and abroad.

Faculty Members

Professor

- Mr. Muhammad Kaleem Raza Khan (*Chairman*)

Associate Professors

- Dr. Farhana Wazir Khan
- Dr. Iftikhar Shafi

Assistant Professors

- Ms. Dilshat Bano
- Ms. Nishat Wasim
- Ms. Huma Shakir
- Ms. Lubna Shaheen
- Ms. Shumaila Shafket Ali
- Mr. Tayyab Zaidi
- Dr. Faisal Nazir

Lecturers

- Ms. Ibtesam Afreen
- Ms. Bushra Khurram
- Ms. Lubna Hasan

Programs Available

- B.A. (Hons.)
- M.A.
- M. Phil./Ph.D. (English Literature)
- M. Phil. (English Linguistics)

For Further Enquiry

Telephone: 99261300-06 Ext- 2268

Website: www.uok.edu.pk/faculties/english

Email: english@uok.edu.pk

Department of

General History

Introduction

Department of History, established in 1953, is one of the oldest departments in 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.

Facilities

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

Specific Research Areas

Medieval History, Modern/Contemporary History, Archeology, History of Sindh, Socio-Economic modern history, history of conflict and public policy demography.

Career Opportunities

In terms of finding career jobs after graduation, 30% success has been reported from passed out students. Media research organizations, NGO's and specially public sector jobs after passing competitive exams (CSS, PSC etc.).

Faculty Members

Professor

- Dr. S. M. Taha

Associate Professors

- Ms. Nargis Rasheed
- Ms. Shama Habib (*Chairperson*)
- Dr. Nasreen Afzal

Assistant Professors

- Dr. Hina Khan
- Dr. Kiran Shahid Siddiqui
- Mr. Muhammad Moiz Khan
- Dr. Farah Deeba
- Dr. Humiera Naz
- Dr. Abdul Jabbar Khan
- Ms. Kishwar Khan

Lecturers

- Ms. Samra Sarfaraz
- Ms. Mahreen Jamal

Programs Available

- B.A. (Hons.)
- M. A.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext- 2272

Website: www.uok.edu.pk/faculties/generalhistory

Email: genhist@uok.edu.pk

Department of

International Relations

Introduction

The Department of International Relations is the oldest Department in the field of International Relations in Pakistan and the third oldest in South Asia. It was established in 1958 and has the honor of offering BS./B.A./M.A./MS/M.Phil. and Ph.D. programs. More than 700 students are studying at the undergraduate and graduate level both in its morning and evening programs. Since its inception, the Department of International Relations has been active in organizing seminars, conferences and workshops.

Facilities

The Department has a seminar library, which stocks more than 3000 books and also subscribes 15 research journals related to different areas of study. The Department has a well-equipped computer lab, which provides an access to online research journals and databanks to facilitate the research activities.

Specific Research Areas

The faculty of International Relations consists of highly qualified teachers. They have expertise in the area of International Relations Theories, Security Studies, Peace Studies, International Law, Human Rights, Confidence Building Measures, Arms Control and Disarmament, Environmental Studies, Conflict Resolution, South Asia, Middle East, North America, and Russian & Central Asian Studies.

Career Opportunities

Graduates of the Department have vast opportunities of employment in different fields, including media, research institutions, civil services, banks and universities.

Faculty Members

Professors

- Dr. Moonis Ahmar (Dean)
- Dr. Shaista Tabassum
- Dr. Shaikh Mutahir Ahmed (*Chairman*)

Associate Professors

- Dr. Naeem Ahmed
- Dr. Farhan Hanif Siddiqui

Assistant Professors

- Ms. Sheila Zulfiqar Ahmed
- Mr. Syed Amir Hameed
- Ms. Nausheen Wasi
- Mr. Fahimuddin
- Mr. Muhammad Faisal Awan

Lecturer

- Mr. Amjad Ali

Programs Available

- B.A. (Hons.)
- M. A.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext- 2274

Website: www.kuird.edu.pk

Email: ir@uok.edu.pk

Department of

Islamic History

Introduction

Department of Islamic History may be regarded as one of the oldest departments in 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.

Facilities

A departmental library possesses a collection of about 2700 books. It provides reading and research facilities to the students of Islamic History.

Specific Research Areas

All aspects and periods of Islamic History.

Career Opportunities

There is great scope for the students of Islamic History in the fields of Social Sciences, Political Science, International Relations and Sociology. They have a very bright future in the professions of teaching and media.

Faculty Members

Professor

- Dr. Nigar Sajjad Zaheer (*Chairperson*)

Associate Professor

- Dr. Muhammad Zubair

Assistant Professors

- Dr. Sofia Farnaz
- Dr. Farzana Jabeen
- Mrs. Farah Naz Saleem
- Mrs. Surayya Tariq
- Dr. Sameena Hasnain
- Dr. Zeba Iftikhar
- Dr. Uzma Perveen
- Dr. Muhammad Sohail Shafiq
- Dr. Humera Naz

Lecturer

- Mr. Muhammad Faisal Hassan

Programs Available

- B.A.(Hons.)
- M. A.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext- 2276

Website: www.uok.edu.pk/faculties/islamichistory

Email: islamichistory@uok.edu.pk

Department of **Library and Information Science**

Introduction

Department of Library Science, established in 1956, was the first ever to offer professional degree in Pakistan. Masters in Library Science (M.L.S.) has been offered since 1962. Since 1982 the Department has been known as Department of Library and Information Science, and information control / management became an integral part of the studies. Computer lab for practical training was established in 1984. Ph.D. Program of the Department was initiated in 1967.

The founder Chairman, Dr. Abdul Moid was the first Ph. D. holder in Library Science from the USA (1964). He was also the Chief Librarian of Karachi University Library (presently Dr. Mahmud Hussain Library). The Seminar library of the Department, inaugurated in 1985, is named after him.

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 and 10 Core 2 due Pcs with the facility of networking and Internet. Multimedia, slide projectors, sound system and other equipment are available for academic and co-academic activities.

Specific Research Areas

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.

Career Opportunities

As knowledge and information is needed by everyone and everywhere, all types of academic / research/ professional institutions need librarians. 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.

Faculty Members

Assistant Professors

- Dr. Munira Nasreen Ansari (*In charge*)
- Mr. Anwer Shoaib Khan
- Mr. Farhat Hussain
- Ms. Naveed-e-Sehar
- Ms. Rafat Parveen Siddiqui
- Mr. Muhammad Waseem Zia

Lecturers

- Mr. Rashid Ali
- Ms. Rabia Aslam

Programs Available

- BLIS
- MLIS
(Students who have completed their BLIS and MLIS are awarded separate degrees for each programme)
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext- 2249

Website: www.dlisuok.edu.pk

Email: dliis.uok@gmail.com

Department of

Mass Communication

Introduction

Established as Department of Journalism in 1955 with a diploma course for working journalists, it was renamed as Department of Mass Communication in 1985. The department was established with an aim to produce qualified and trained journalists and media professional to cater to the growing needs of the media industry. A full-fledged M.A. program replaced the diploma program in 1962 to modernize media education in the country.

Facilities

The department has sufficiently equipped six teaching and training labs, TV lab, news lab, advertising lab and two computer labs, (one each for Urdu and English). The department runs FM Radio channel which provides a training base for the students in radio broadcasting.

Career Opportunities

Students have wide job opportunities in the growing industry including media and advertising and public relations. Some of the students conveniently find positions in private sector FM radio and TV channels and print media even before passing out.

Faculty Members

Professors

- Dr. Tahir Masood (*Chairman*)
- Dr. Mehmood Ghaznavi

Associate Professor

- Dr. RafiaTaj

Assistant Professors

- Ms. Samina Qureshi
- Dr. Fouzia Naz
- Ms. Sadia Mahmood
- Mr. Muhammad Usama Shafiq
- Dr. Syed Wahidur Rehman
- Dr. Asmat Ara
- Dr. Naveed Iqbal Warsi
- Dr. Syed Azfar Ali

Lecturers

- Mr. Naveed Arshad
- Ms. Raana Afzal

Programs Available

- B.A. (Hons.)
- M.A.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext- 2278

Website: www.uok.edu.pk/faculties/masscommunication

Email: masscommunication@uok.edu.pk

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.

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.

Specific Research Areas

- Modern and classical prose & writers of Iran, Pakistan, India and Afghanistan
- Classical & modern poetry
- Poets of Iran, Pakistan, India and Afghanistan
- Sufistic prose & poetry-History of Persian literature impact of Persian language and literature, culture on different fields of life.

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 Members

Associate Professor

- Dr. Shehla Salim Noori (*Chairperson*)

Assistant Professors

- Ms. Salma Latif
- Dr. Ramzan Bamari
- Dr. Faizeh Zehra Mirza

Lecturers

- Mr. Muhammad Nazir
- Ms. Faiza Khatoun
- Ms. Bilquees

Programs Available

- B.A.(Hons.)
- M. A.
- M. Phil./Ph.D.
- Persian Certificate (Language course)
- Persian Certificate (Historical text)
- Diploma Course (Persian language)
- Diploma course (Historical text)

For Further Enquiry

Telephone: 99261300-06 Ext- 2280

Website: www.uok.edu.pk/faculties/persian

Website: persian@uok.edu.pk

Department of

Philosophy

Introduction

The Department of Philosophy was founded 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. All the 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 Institution.

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.

Facilities

- Seminar Library
- Philosophy Research Centre/Computer Lab for M. Phil./Ph.D. Students.

Specific Research Areas

- Western philosophy
- Muslim philosophy
- European philosophy
- Philosophy of law
- Philosophy of art & literature
- Philosophy of language
- Political philosophy
- Consciousness studies
- Philosophy of mind philosophy of action

Career Opportunities

Career Opportunities for students of philosophy include teaching, research, journalism, law government jobs, and all the other disciplines that incorporate social science graduates and researches.

Faculty Members

Professor

- Dr. Zahoorul Hassan Baber (*Chairman*)

Associate Professors

- Dr. Javed Iqbal Amiri
- Dr. Abdul Wahab Soori
- Dr. Abdul Rahim Afaki

Assistant Professors

- Dr. Zulfiqar Ali
- Dr. Abdul Khaliq Aboya
- Dr. Syed Alam Shah
- Mr. Muhammad Ateeq

Lecturers

- Mr. Amjad Ali
- Mr. S. M. Mehboobul Hasan Bukhari
- Ms. Safia Bano
- Mr. Irfan Muhammad

Programs Available

- B.A. (Hons.)
- M.A.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext- 2271

Website: www.uok.edu.pk/faculties/philosophy

Email: zhbaber@uok.edu.pk

Department of

Political Science

Introduction

The department 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 Department 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.

Facilities

The department has a fully functional Seminar Library with over 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. Moreover, there is a well equipped specialized Library with latest books and periodicals in all the areas relevant to Public Policy. The Library maintains a reference section which has a reasonable collection of books for ready reference. Thus the Library provides a very supportive environment for research activities.

Computer Lab

The Computer Lab is equipped with high speed computers, printers and scanner facilities. These computers are networked with a server and a stand by server. Audio/ Visual aids including multimedia option are used during presentations/lectures. Internet access is also available to the students.

Specific Research Areas

Global Politics, Political Economy, International Relations, Comparative Politics, Islamic Political System, Government and Politics of Pakistan, Western Political Theory, Foreign Policy Theory and practice with reference to India, USA, UK, China and the Muslim countries.

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

Professor

- Dr. Muhammad Ahmed Qadri (*Chairman*)

Associate Professors

- Dr. Nusrat Idrees
- Dr. Samina Saeed
- Dr. Summer Sultana

Assistant Professors

- Dr. Muhammad Ali
- Mr. Muhammad Kamran Khan

Lecturers

- Mr. S. Shameel Ahmed Qadri
- Mr. Mehboob Hassan Muqaddam

Programs Available

- B.A. (Hons.)
- M.A. in Political Science
- M.A. in Public Policy (MPP)
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext- 2347/2342

Website: www.uok.edu.pk/faculties/politicalscience

Email: politicalscience@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. Hafeez Zaid, 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 in the Faculty of Arts.

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

Teachers of the department 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, conferences and professional development courses, etc. are arranged for the students so that they remain updated with current activities and will be able to grow intellectually.

Facilities

The department's library has a collection of over 800 books. This large collection includes latest Books, publications and encyclopedias. The department is fully equipped with audio-visual aids for meeting the instructional needs.

The Department of Psychology is committed for mental health awareness, and continuously offering Psychological Services which includes, Assessment Counseling and Psychotherapies to the students, faculty, staff members and community at large.

Specific Research Areas

The Faculty members are actively involved in pursuing important areas in research. Some research topics include: child development relationship, gender issues, community psychology, therapeutic

techniques and diagnosis, organizational behavior, consumer behavior, social and 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
- Clinical Setup
- Educational Institutes
- Law Enforcement Agencies
- The Armed Forces etc.
- NGOs

Faculty Members

Associate Professors

- Mrs. Rubina Feroz
- Dr. Anila Amber Malik (*Chairperson*)

Assistant Professors

- Dr. Farah Iqbal
- Dr. Qudsia Tariq
- Dr. Amena Zehra Ali
- Dr. Ziasma HaneefKhan
- Ms. Anila Mukhtar
- Dr. Bushra Khan
- Dr. Rabia Riaz

Lecturers

- Ms. Samia
- Mr. Farhan Kamrani
- Ms. Zahra Barkat Ali

Programs Available

- B.A./B.Sc. (Hons.)
- M. A. / M. Sc.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext- 2283

Website: www.uok.edu.pk/faculties/psychology

Email: psychology@uok.edu.pk

Department of

Sindhi

Introduction

The department of Sindhi was established in 1972. It started with a master's program only, but later on Honours, certificate and diploma programs were also introduced.

The department of Sindhi has been actively contributing towards production of research and academic Literature by organizing seminars and conferences from time to time. These events result in production of valuable literature in the form of monographs and 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 and 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 interaction.

Facilities

- Well-stocked seminar library
- Multi Media classes and presentation facilities are available.

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 apart from literary/language organizations/institutes of private and public sector.

Faculty Members

Professors

- Dr. Naheed Parveen
- Dr. Abdul Ghafoor Memon (*Chairman*)

Associate Professor

- Dr. Rukhman Gul Palari

Lecturer

- Mrs. Sajida Parveen

Programs Available

- B.A.(Hons.)
- M.A.
- M. Phil./Ph.D.
- Certificate/Diploma in Sindhi
- Certificate courses in Balochi Language

For Further Enquiry

Telephone: 99261300-06 Ext- 2228

Website: www.uok.edu.pk/faculties/sindhi

Email: sindhi@uok.edu.pk

Department of

Sociology

Introduction

The department of Sociology was established in 1960. Sociology is the scientific study of the society and human behavior. This is the core discipline of social sciences. The study of sociology aims at analyzing the patterns, trends and attitudes of human behavior deriving their causes and predicting the future of the behavioral patterns in society. The areas covered by sociology includes community development, social organization, human management, health and medical aspects, industrial, agricultural, rural and urban development, demography, human rights, social psychology, social structure, economic development and interaction among different people around the world.

This field tries to examine the organizational structure of society and the influence it has on the social, political and religious ideas of the members of society. It encompasses the study of the organization and business it attempt to analyze the reaction and management of social groups as well the factors which lead to their break down.

Sociological research reveal, the multi faceted nature Social reality, its multiple causes and multiple effects provides us well sets of methods suitable for unraveling the complexities of social life. The study of sociology help us to determine which steps are most likely to lead towards given goals.

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. Seminar and workshops are important characteristics of the department which are organized frequently

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 assistance in almost all aspects of the use of information processing facilities. Ethnological Museum plays a pivotal role in the study of art and culture. It contains more than 500 precious artifacts and serves as a cultural laboratory.

Career Opportunities

Sociologist are employed in industries, trade, association labor unions, foundations and fairly in large numbers by research organization and administration. Newly emergent

careers in many programs have developed in recent years like, Training Program, Foreign aid program, Humanitarian Organization like UN, national and international NGOs. Furthermore sociologist and criminologist can work as hospital management administrator, Public Administration Assistant, Rural health worker, Census Research Assistant, Consumer Researcher, Data Analyst, Demographer, Market Researcher, Statistician, Survey Research Technician, Correctional Counselor, Criminal Investigator, Juvenile Court Worker, Parole Officer, Rehabilitation Counselor.

Faculty Members

Professors

- Dr. Fateh Muhammad Burfat
- Dr. Rana Saba Sultan

Associate Professors

- Dr. Sobia Anis Shahzad (*Chairperson*)
- Dr. Nabeel A. Zubairi

Assistant Professors

- Dr. Ghulam M. Burfat
- Dr. Naila Usman Siddiqui
- Ms. Munnaza Madani
- Mr. Amjed Javed
- Dr. Kausar Parveen
- Dr. Naima Saeed
- Dr. Kaneez Fatima

Lecturer

- Ms. Nousheen Raza

Programs Available

- B.A.(Hons.) (Morning & Evening)
- M. A.(Morning & Evening)
- M. Phil./Ph.D. (Morning)
- Masters in Criminological Sciences (Evening)
- Masters in Population Sciences (Evening)

For Further Enquiry

Telephone: 99261300-06, Ext-2286

Website: www.uok.edu.pk/faculties/sociology

Email: sshahzad@uok.edu.pk

Department of

Social Work

Introduction

The department of Social Work was established in 1961 and it has continuously responded to the societal and corporate needs by developing trained professional social workers. The department boasts of having very successful alumni.

The department strives to strike the right balance by creating a strong base of theoretical inputs combined with a rigorous Industrial /NGO exposure of nearly 12 credit hours, through the fieldwork training which is an important part of the curriculum. Through this training, students are provided opportunities to integrate their theoretical knowledge with the practical world and enquire hands on experience to deal with the variety of complex societal problems as challenges. The students are placed in government and non government organizations for obtaining knowledge in the fields of community development, school social work, and medical social work. The students of M.A. final year are bound to carry-out research projects to be submitted at the end of the year.

Facilities

The department of Social Work has a well stocked library with more than 1000 books, theses, journals, reports and periodicals. Department is also equipped with a computer lab.

Specific Research Areas

The research activities are related to all the social problems at large. Community development, public health issues as well as institutional studies are allied research areas.

Career Opportunities

Job placements for social work graduates are:

- Ministry of Social Welfare and special Education
- Social Welfare, Women Development
- Bait-ul-Mal Department
- Medical Social Service Projects, CDGK, RCD projects, Jails, etc.
- Ministry of Population Welfare
- Ministry of Labour Welfare
- Educational Institutions
- Research Organizations
- Health Care Organizations

- Administrative positions in National and International NGOs
- Planning and Development organizations
- Urban and Rural Community Development Projects
- Family & Child Welfare
- Criminology and Correctional Administration
- School Social Work

Faculty Members

Professors

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

Associate Professor

- Dr. Muhammad Shahid

Assistant Professors

- Dr. Syeda Farhana Sarfaraz
- Ms. Samina Rauf
- Dr. Sakina Riaz
- Ms. Jugnoo Salahuddin
- Dr. Muhammad Nadeemullah
- Dr. Sumaira Ishrat
- Dr. Sabir Michael

Lecturer

- Mr. Muhammad Arshad

Programs Available

- B.A. (Hons.)
- M.A.
- M. Phil./Ph.D.
- Certificate/Diploma in Social Work (*evening*)

For Further Enquiry

Telephone: 99261300-06 Ext- 2284

Website: www.uok.edu.pk/faculties/socialwork

E-mail: sw@uok.edu.pk

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. Abul Lais Siddiqui was appointed as a Reader and Chairman and Dr. Abdul Qayyum, Dr. Syed Shah Ali, and Qudratullah Fatimi 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 Abul Khair Kashfi, Dr. Farman Fatehpuri, Dr. Aslam Farrukhi, Prof. Jameel Akhtar Khan, Dr. Haneef Fauq, Dr. Younus Hasni, Shamim Ahmed, Prof. Sahar Ansari, Dr. Vaqar Ahmed Rizvi, Dr. Sidiqa Arman, Dr. Moinuddin Aqeel, Dr. Zafar Iqbal and Dr. Uzma Farman.

The department of Urdu has a prominent position in the University of Karachi for research. Over 80 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.

Career Opportunities

- Teaching
- Print and Electronic Media
- Research
- Academic Organizations
- Advertising (Copy Writing)
- Creative Writing, etc.

Faculty Members

Professors

- Dr. Uzma Farman
- Dr. Zulqarnain Ahmed (*Chairman*)
- Dr. Tanzeem-ul-Firdaus

Associate Professor

- Dr. Rauf Parekh

Assistant Professors

- Mrs. Rahat Afshan
- Dr. Safia Aftab
- Ms. Uzma Hasan

Lecturers

- Mr. Muhammad Sajid Khan
- Mr. Muhammad Shakir
- Mr. Muhammad Salman
- Ms. Shama Afroz
- Mr. Muhammad Rashid Ali Khan

Programs Available

- B.A. (Hons.)
- M.A.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext-2287

Website: www.uok.edu.pk/faculties/urdu

Email: urdu@uok.edu.pk

Department of

Visual Studies

Introduction

The department of Visual Studies has been graduating innovative and award winning designers, architects and artists who are making their mark in the professional world for over fourteen years. The Department sees itself as a bridge between tradition and innovation. Courses are interdisciplinary and contextualized. Students are encouraged to widen their experience and engage with the larger issues within which they will practice. A strong theory component alongside practical and professional courses distinguishes the curricula of the Department. A dedicated faculty supported by visiting faculty from professional fields and the university's own pool of excellent scholars, provides training that is current and professional.

Facilities

- Computer lab
- Wood Workshop
- Metal Workshop
- Photography Darkroom
- Sculpture Workshop
- Ceramic kilns and wheels
- Printmaking presses
- Weaving looms
- Silkscreen Darkroom
- Professional sewing machines
- Film editing studio
- Seminar Library including video library
- Links with professional facilities in the city

Specific Research Areas

Over the years students have produced over six hundred 8000 word research dissertations in a wide range of cultural and design related areas. These include architecture, urban planning, heritage, crafts, fine art, Islamic art and culture, the environment, social psychology, typography, illustration, design, film, textiles.

Faculty research includes Urban Planning, Rural Development, Disaster Management, Cultural Theory, Sufism, History of Art, Media Studies, Islamic Civilization, History of Film, Philosophy, Psychology, Economic Revival of Traditional Crafts. All faculty are practicing professionals with a national or international profile.

The Department has its own publishing house, the Visual Studies Press, which has recently published its first book: Communication Drawings. A beginner's guide to Graphical Language by our faculty member Naji Akbar. Next publications by faculty members that are in process: A comparative guide to Eastern and Western cultures by Saqlain Zaidi, A practical guide to Islamic Art by Rizwanullah Khan

Career Opportunities

Architecture: Architectural Design, Architectural Research, Urban/Rural Planning, Interior Design, Historical Site Management, Landscape Architecture.

Industrial Design: Product Design, Furniture Design, TV/Film Set Design, Transport Systems, Exhibition Design, Interior Design, Signage System Design.

Textile Design: Print Design, Apparel Design, Interior Design, Craft Management, Set Design, Fashion Accessories, Stationary for Home Furnishing, Display System Design.

Design & Media Arts: Advertising, Exhibition Design, Information Graphics, Publishing, Editorial Design, Signage, Illustration, Photography, Creative Management, Animation, Motion Graphics, Film & Television Production.

Ceramics & Glass: Pottery, Crafts Management, Glassware, Interior Design Projects, Sculpture.

Fine Art: Art Practice, Art Criticism, Animation, Illustration, Set Design, Video, Administration, Art Restoration, Gallery Management, Miniature Painting, Museum Consultancy.

Islamic Arts: Museum Consultancy, Architectural Detailing, Islamic Patternmaking, Crafts Management, Miniature Painting, Book Binding, Art Research, Restoration, Calligraphy, Ceramics.

Art History: Art Critic, Museum Consultant, Researcher, Art Administration, Art Restoration, Gallery Owner, Art Restoration.

Faculty Members

- Ms. Durriya Kazi (*Project Director*)

Lecturers

- Mrs. Tania Nasir
- Mr. Syed Shamoan Haider
- 60 Visiting faculty members

Programs Available

- B.Arch. (5 years)
- BFA (4 years), in one of the following:
 - Fine Art
 - Islamic Arts
 - Art History
- B. Design (4 years), in one of the following:
 - Design & Media Arts
 - Textile Design
 - Industrial Design
 - Ceramics & Glass

For Further Enquiry

Telephone: 99261300-06 Ext- 2239

Website: www.uok.edu.pk/faculties/visualstudies

Department of

Criminology

Introduction

Masters program in criminology was initiated in 1995. Dr. Naseer A. Shaikh, Dr. Abdul Wahab, Dr. Muhammad Shoaib Suddle, Prof. Shamim Hashmi, Dr. Fateh Muhammad Burfat, and Mr. Jameel Yousuf were the pioneers of the program. The program was upgraded and the Department of Criminology was established in 2014. The major objective of the program is to provide the students with hands on- training in the specialized fields of criminology such as control of violence and terrorism, forensic criminology, policing, security, criminal investigation, juvenile justice system, organized crime, money laundering, fraud and drug abuse related issues.

Facilities

Department of Criminology is a newly established department; efforts are being made to develop well equipped Forensic and Computer Laboratories.

Career Opportunities

Criminologists are employed in Police, Military, Intelligence Agencies, National Accountability Bureau, Correctional Institutions, national and international NGOs and they are also working as Parole and Probation Officers, Juvenile Court Workers, Criminal Investigators, Security Experts, Crime Reporters, Correctional Counselors, Juvenile Court Workers, Rehabilitation Counselors.

Faculty Member

Professor

- Dr. Fateh Muhammad Burfat (*Chairman*)

Programs Available

- M. A.(Morning & Evening)

For Further Enquiry

Telephone: 99261300-06, Ext-2547

Website: www.uok.edu.pk/faculties/criminology

Email: fatehmuhammadburfat@gmail.com

Department of

Education

Introduction

Department 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.

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, UNESCO and NGO based organizations are the possible fields for the graduates of Education.

Faculty Members

Assistant Professor

- Dr. Rizwana Munir (*In charge*)

Lecturers

- Ms. Azizunnisa
- Mr. Muhammad Asim
- Ms. Naila Siddiqua

Programs Available

- B.A. (Hons.)
- M.A.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext- 2267

Website: www.uok.edu.pk/faculties/education

Email: education@uok.edu.pk

Department of

Special Education

Introduction

The vision of the Department of Special Education is that of an inclusive society in which all individuals are afforded equal access and opportunities that improve the quality of life. The mission of the department is to create such a society through innovative and collaborative personnel preparation, research and scholarly activity, and advocacy. The goal of the Department of Special Education is to provide university students with information and skills in working with persons with disabilities. The department provides Baccalaureate and Post Baccalaureate degrees in Special Education that prepares educators to become eligible for working in Special Education. Our faculty and staff are committed to preparing educators who desire to help children reach their potential. Prepare to make a difference.

Facilities

The department has lecturer and seminar rooms, audio visual room, as well as seminar library with most recent books. The department has equipment which provides practical work facilities to students as well as exposure of practical teaching at special schools.

Specific Research Areas

- All five Disabilities (Visual Impairment, Learning Disabilities, Hearing Impairment, Physical Handicap, Mental Retardation).
- Disabilities and Psychology
- High & low incidence disability
- Professional services (Occupational Therapy, Physiotherapy, Speech Therapy).
- Teaching strategy (Curriculum Planning, Assessment and Management).
- Early Intervention
- Behavior Management
- Rehabilitation and Community
- Inclusive Education
- Teachers' Development
- Guidance & Counseling
- Vocational Education
- Educational programming
- Issues in Special Education
- Audiology
- Management and Leadership

Career Opportunities

A career in Special Education is very rewarding. Careers for graduates from the Special Education department include teachers within general or special education settings, early intervention educators, adult service/workforce providers, for positions in clinical settings and careers with organization serving individuals with disabilities. Those in the Ph. D program often enter faculty positions in higher education. Programs are designed for students who desire to enter educational and human services professions.

Faculty Members

Professors

- Dr. Shagufta Shahzadi (*Dean*)
- Dr. Nasir Sulman (*Chairman*)

Assistant Professors

- Dr. Hemera Aziz
- Dr. Afshan Rahat

Lecturers

- Ms. Sahar Yasmeen
- Ms. Saira Saleem
- Ms. Saba Suleman

Programs Available

- B.A. (Hons.)
- M.A.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261085

Website: www.uok.edu.pk/faculties/specialeducation

Email: specialeducation@uok.edu.pk

Department of

Islamic Learning

Introduction

Department 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 and Post-Graduate level. The M. Phil. 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.

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.

Specific Research Areas

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.

Career Opportunities

Students passing out from this department provide their services to educational institutions, research institutes, religious institutions and armed forces.

Faculty Members

Professor

- Dr. Jalaluddin A. Noori (*Chairman*)

Assistant Professors

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

Programs Available

- B.A.(Hons.)
- M. A.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext- 2390

Website: www.uok.edu.pk/faculties/islamiclearning

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 Wafaqul Madaris 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.

Specific Research Areas

The research activities in the department are remarkable such as:

- To write thesis on M.A. level is a part of research activities.
- At least 50 candidates have successfully completed their Ph.D. research since the establishment of this department in 2000.
- More than a hundred students have been enrolled in M. Phil. /Ph.D.

Career Opportunities

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.

Faculty Members

Assistant Professors

- Dr. Shahnaz Ghazi (*In charge*)
- Dr. Zeenat Haroon
- Dr. Mufti Imran Ul-Haq Kalyanvi

Programs Available

- M.A.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext- 2324

Website: www.uok.edu.pk/faculties/quranwasunnah

Department of

Usool-ud-Din

Introduction

Department of Usool-ud-Din was established in 2000 to fulfill the need of scholars of Islamic Studies in various institutes 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.

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.

Specific Research Areas

All the topics that are related to the religion of Islam and its fundamental principles are the area of research.

Career Opportunities

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

Faculty Members

Associate Professor

- Dr. Nasir Ahmed Akhtar (*Chairman*)

Assistant Professor

- Dr. Hafiz M. Ismail

Programs Available

- B.A.(Hons.)
- M. A.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext- 2220

Website: www.uok.edu.pk/faculties/usooluddin

School of Law

Introduction

Education is the foundation of knowledge and knowledge is light which shuns the darkness of ignorance. Legal education is also a vital part of that phenomenon as through this type of education also a civilized and organized society comes into existence. Legal education is still very popular and bound to become so with job opportunities of law persons increasing consequent upon economic liberalization and globalization of legal services. However the present organization of legal education is not able to cater to the needs and demands which are changing from time to time. With this end in view the University of Karachi has established its School of Law with the following aims and objectives.

- To train law students in the real dynamics of what will be the real relevant decisional structure to become adept influencing their outcome and in assisting other people in changing goals and developing strategies to achieve these goals in diverse contexts.
- To give quality education in law.
- To provide sound knowledge and training in the legal theory and practice to fulfill the requirements for the legal profession and administrative jobs.
- To equip the law students with specialized legal studies relating to commercial, business and public affairs so that a product of such education would be able to contribute towards national development and social change in a much more constructive manner.

Facilities

Today library is said to be the 'heart of law school' and one of the most important element in training law students and in providing faculty members with materials for research and study. School of Law has one of the finest Seminar Library containing Law Reports, Text Books and Law Journals.

The Computer Lab is equipped with high speed computers, printers and scanner facilities. Audio/Visual aids including multimedia option are used during presentation/ lecturers.

Clinical Legal Education

At present the traditional system of legal education which concentrates much on reading of books, class

room lectures and little on moot courts and court visits etc does not meet the requirement of the modern education. Therefore for the development of scientific temperament of the students empirical approach is being followed in the Faculty by giving due importance to clinical legal education.

Career Opportunities

The demand for lawyers with expertise will continue to grow with the passage of time. The legal field is constantly redefining itself by adding new areas to the practice. For every job in law, analytical ability, research, writing skills, and the knowledge of the basic differences in the world's legal systems as well as their political and cultural contexts is essential.

The available career paths for a lawyer can be broken down into law firms, federal government, corporate counsel, international organizations and non-profit groups.

Note: The terms and conditions imposed by the Pakistan Bar Council as amended from time to time shall be binding on all students.

Faculty Member

Professor

- Prof. Dr. Ghaus Muhammad (*Director*)

Programs Available

- B.A./LLB (5 Years) (Morning)
- LLB (3 Years) (Morning & Evening)
- LLM (2 Years) (Evening)

For Further Enquiry

Telephone: 99261300-06 Ext- 2464

Website: www.uok.edu.pk

Email: school.law@uok.edu.pk

Department of

Pharmacognosy

Introduction

This department was established under faculty of pharmacy in 1973. Since inception the department has been serving as back bone for the various branches of pharmaceutical sciences.

Pharmacognosy derives its origin from two Greek words, *pharmakon*(drug), and *gnosis* (knowledge). It is the study of natural bioactive substances obtained from terrestrial and marine plants, animals, microbes and minerals, for their physical, chemical, biochemical and biological properties, their taxonomy and ethnobiology. Pharmacognosy, one of the major areas of pharmaceutical sciences, is a highly interdisciplinary science, linked to phytochemistry, microbial chemistry, biosynthesis, biotransformation, chemotaxonomy, biotechnology and other biological and chemical sciences. Research in Pharmacognosy provides for the discovery of lead compounds for drug development, new methods of analysis for drugs, toxins and herbal preparations.

The objective of the department of Pharmacognosy is to educate students about the natural sources of drugs, their pharmacognostic and phytopharmacological attributes, chemical and spectroscopic profile of isolated molecules and their development as modern pharmaceutical products.

During the past five decades it shared with the other departments to produce more than 5000 B. Pharm and about 1500 Pharm-D. graduates. The department of Pharmacognosy always endeavored to promote higher education this resulted in 58 M. Pharm, 35 M. Phil and 38 Ph.D. graduates. The active faculty members collectively produced more than 27 books, wrote hundreds of research papers in well reputed journals at national and international levels.

Facilities

The department has one lab at under graduate level and two graduate level labs. These are well equipped to conduct the lab work at both levels. The students can work on latest spectrophotometer, PCR, HPLC, lyophilizer, rotary evaporator, incubator, oven, flash chromatography, distillation assembly, two channel recorder, Plethysmometer, Analgesia meter, soxhlet apparatus.

Specific Research Areas

Natural products, clinical studies, standardization of herbal products, formulations, isolation of natural products, analysis of marine and terrestrial flora and fauna, ethnopharmacognosy, natural toxicants, nutraceuticals, cosmeceuticals, zoocuticals.

Career Opportunities

The graduates from the various programs offered can work in both modern and herbal pharmaceutical organizations, ministry of health, WHO, various drug regulatory bodies, research organizations, teaching institutions.

Faculty Members

Professors

- Dr. Ghazala H. Rizwani (*Dean*)
- Dr. Syed Waseemuddin Ahmed (*Chairman*)
- Dr. Iqbal Azhar

Associate Professor

- Dr. Muhammad Mohtasheem ul Hasan

Assistant Professor

- Ms. Farah Mazhar

Lecturers

- Mr. Salman Ahmed
- Ms. Safia Abidi

Programs Available

- Pharm-D
- M. Pharm.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext- 2202

Website: www.uok.edu.pk/faculties/pharmacognosy

Email: Pharmacognosy@uok.edu.pk

Department of

Pharmacology

Introduction

The department of Pharmacology has been one of the important departments in the Faculty of Pharmacy since 1973, not only sharing a major load at the under graduate level but also preparing students to fill the gap by suitably qualified manpower in the field of Pharmacy at Post graduate levels. The current expansion of the department and graduate programs in the areas of modern pharmacology including Neuropharmacology, Toxicology, and Biochemical Pharmacology will be expected to place the department among high research ranking departments in the University of Karachi.

The major academic objectives of the department are to facilitate Basic and Applied Research, educate under-graduate, and professional students in various disciplines and provide academic excellence. Department of Pharmacology has so far produced the highest number of Ph.Ds in the faculty of Pharmacy and a large number of M. Phil and M. Pharm. The department is proud of having highly competent primary faculty, research faculty and technical support staff.

Facilities

- The department of Pharmacology laboratories are well equipped to conduct the experimental courses of Pharmacology, Physiology, Biochemistry and Pathology.
- Separate Research labs are assigned for Research students which have all the basic and enhanced equipment and instruments required for research work.
- Computer and internet facilities have been provided, so students can have easy access to latest information and data.
- Pharmacy library has also been equipped with latest books and research journals of pharmacology.

Specific Research Areas

- Neuropharmacology
- Toxicology
- Biochemical Pharmacology
- Cardiac vascular pharmacology
- Psychopharmacology

Career Opportunities

After completion of M. Phil./Ph.D. in the field of Pharmacology successful, candidates will be able to perform duties in the following areas:

- Research
- Education
- Hospital Pharmacy
- Clinical Pharmacy
- Pharmaceutical Industry
- Drug testing laboratories

Faculty Members

Professors

- Prof. Dr. Rafeeq Alam Khan
- Dr. Rahila Najam (*Chairperson*)

Assistant Professors

- Ms. Tasneem Mariam Sajid
- Dr. Syeda Afroz
- Dr. Afshan Siddiq
- Ms. Sadia Ghousia Baig
- Dr. Nuzhat Sultana
- Dr. Azra Riaz

Lecturers

- Mr. Shadab Ahmed
- Mrs. Saira Saeed Khan

Programs Available

- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext-2206

Website: www.uok.edu.pk/faculties/pharmacology

Department of

Pharmaceutical Chemistry

Introduction

Department of Pharmaceutical Chemistry is one of the most important academic units of the Faculty of Pharmacy. This department deals with the Physical and Chemical aspects of Pharmaceuticals, so as to inculcate students with the understanding of drug designing, drug development, quality control, drug stability, pharmacokinetics and; principles and methods of analysis. At the graduate level courses are designed to equip the students with strong background of the subject and provide in-depth knowledge of chemistry related to physiology, pharmacology, biochemistry and molecular biology. At present there are twelve full-time Faculty members among which eight are Ph.D. degree holders.

Facilities

Department is dedicated to provide sound education in the field of pharmaceutical chemistry. The curriculum focuses on laboratory experience supported by highly qualified and experienced professionals with well equipped labs. Presently three labs are working dealing with synthesis, analytical and Instrumental experimental work. For postgraduate students, two full fledged research labs are operating in the Research Institute of Pharmaceutical Sciences (RIPS) providing facilities regarding drug designing, drug development, drug stability, and analysis and method development.

Specific Research Areas

Department of Pharmaceutical Chemistry offers M. Phil, and Ph.D. programs to the graduate students. Experienced and actively growing research groups are working in the disciplines of drug designing and development, product and process development of drug, analytical aspects of drug, kinetic studies and drug stability. Groups of researchers are working with different research institutes, industries and organizations which promote many areas of collaborative research studies. Department has the honor of producing the first M. Pharm, the first M. Phil., the first Ph.D. of this Faculty and up till now 30 Ph.D's and more than 75 M. Pharms and M. Phils have been produced by the department.

Career Opportunities

Pharmacists have varied and tremendous career opportunities. They can go in production, quality control, marketing and regulatory affairs department of different pharmaceutical industries. They can also work as a part of a healthcare team comprising doctors, pharmacists and paramedical staff. As part of this team they can play an effective role as a drug expert able to selecting best treatments for managing patient care. A part from these, there is a number of opportunities available in administrative and general management sites in governmental health department. One option available to pharmacists with higher degree is that they can join teaching and research in Universities and other research organizations.

Faculty Members

Professors

- Dr. Faiyaz H. M.Vaid (*Chairman*)
- Dr. Shamim Akhtar

Associate Professors

- Dr. Mansoor Ahmed
- Dr. Nousheen Mushtaq

Assistant Professors

- Dr. Afaq Ahmed Siddiqui
- Dr. Sohail Hassan
- Dr. Asia Naz
- Mr. Ameer Hassan

Lecturers

- Ms. Rubina Muzaffar
- Ms. Shazia Haider
- Ms. Urooj Nazim

Programs Available

- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext-2203

Website:

www.uok.edu.pk/faculties/pharmaceuticalchemistry

Department of

Pharmaceutics

Introduction

The department covers 24 courses spread over five years of Pharm-D. program. The department is actively involved in pharmaceutical research that covers all aspects of pharmaceutical sciences offering M.Pharm and Ph.D. programs. Till date, the department has produced 69 M. Phil. and 11 Ph.D. scholars in different disciplines of pharmaceutics.

The department of Pharmaceutics has its history as old as the history of the faculty of pharmacy itself. The Faculty of Pharmacy was first founded in 1964 as a department under the faculty of science in University of Karachi by the now known as Father of Pharmacy Professor Dr. S.M.S. Zoha. In the year 1973, in which the status of the department was approved as a faculty with four distinctive departments one of which was the department of pharmaceutics.

Facilities

- Laboratories
- Research Laboratories
- Computer Laboratory
- Seminar Library

Specific Research Areas

- Formulation Development
- Formulation optimization and improvisation
- Pharmaceutical Microbiology
- Novel drug delivery system
- Bio-Pharmaceutics
- Bioavailability
- Physical Pharmacy
- Clinical Pharmacy and Pharmacy Practice

Career Opportunities

The scope of pharmacy all over the world is very promising in which the graduate in pharmacy find himself in a very prestigious and professional status to serve the society in different disciplines of the field as a health care professional. After obtaining graduation degree from the faculty of pharmacy the students have the opportunity to join hospitals where they would be drug experts taking right decisions about the safe use of medicine, in community as one of the beneficial members of the society, in pharmaceutical industries that has the largest proportion of openings in different

departments of the industry. Similarly, he could also join governmental jobs where he regulates the drug portfolio and establishes policies regarding the drug usage and regulatory matters, in pharmaceutical journalism, in academia where he would be in a highly prestigious assignment to train and produce more pharmacists. A pharmacist would also find good opportunities in research and development where one can satisfy his eager to participate in pharmaceutical research as a scientist. And that is not all; there are too many job opportunities and career enhancing chances for pharmacist abroad.

Faculty Members

Professors

- Dr. Fouzia Hassan
- Dr. Nighat Razvi (*Chairperson*)

Associate Professor

- Dr. Muhammad Harris Shoaib

Assistant Professors

- Ms. Shaista Hamid
- Dr. Shahnaz Gauhar
- Dr. S. M. Farid Hassan
- Dr. Rabia Ismail
- Mrs. Sabahat Jabeen
- Mr. Iyad Naeem Muhammad
- Mrs. Rehana Saeed

Programs Available

- Pharm-D
- Pharm-D (Deficiency)
- M. Pharm
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-07

Website: www.uok.edu.pk/faculties/pharmaceutics

Karachi University

Business School

Introduction

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

KUBS within short period of time has become well established institution with good reputation and high image in the business world. KUBS is presently offers a number of programs, namely BBA (4-year Program), MBA (Morning) 3½ years, MBA (Morning) 1½ years after completion of 4-year BBA program (Morning & Evening) and MBA (Evening) 5-year programs, MBA (Banking) 2-year Program (Morning & Evening) is also run jointly with the Institute of Bankers Pakistan (IBP), MBA Executive 2 ½ years Program and M. Phil. Program.

KUBS has plans to start short-term certificate programs in the field of financial management, marketing communication, brand management, services marketing and MIS.

The KUBS is temporarily housed on the first and Second floors of Commerce building.

The mission of KUBS is to educate the leaders who make a difference in this time of extraordinary change throughout the world. We, at KUBS, are committed to impart general management education focusing on building a deep understanding of business, teaching with skill and passion. We follow a field-based education with emphasis on problem-focused research and the case method of instruction. Also 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.

We would like to congratulate our management, faculty, staff and students on winning the Asia's Best Business School Award under the category of "Innovation Leadership Award". The 2nd Asia's Best B-School Awards ceremony was held on July 22, 2011 in Singapore, where the award was presented to Dr. Abdul Rehman Zaki, Chairman Karachi University Business School (KUBS). KUBS was awarded for its tremendous contribution to the field of Business Management in the form of its high achieving graduates who are working in various reputable organizations across the globe. Asia's Best B-School Awards' is an initiative of CMO Asia Advisory Board and Advisory Council of the World Brand Congress. Business schools from 25 countries were nominated and awarded under various categories.

Facilities

Karachi University Business School (KUBS) is located in a serene corner of the University. It occupies space on the first and second floors of Commerce Building. The KUBS offers a well-equipped learning environment.

A large number of books can be subscribed by the departmental library. Students can also consult Dr. Mahmood Hussain Library comfortable and quiet workspace with good number of books on business and professional journals. Business Periodicals both local and international are available at Dr. Mahmood Hussain Library of Karachi University.

KUBS also has a computer lab, which is equipped with open-access PCs with word processing, presentation, database and other software. Upgrading of lab and installment of new PCs is still in progress.

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.

Specific Research Areas

With the starting of M. Phil./Ph.D. programs we expect to extend research programs in future.

Faculty Members

Professor

- Dr. Abdul Rehman Zaki (*Chairman*)

Assistant Professors

- Ms. Shahnaz Baloch
- Dr. Danish Ahmed Siddiqui
- Dr. Muhammad Asim

Lecturers

- Ms. Kausar Qureshi
- Mr. Shameel Zubairi
- Mr. Syed Fakhre Alam Siddiqui

Programs Available

- BBA
- MBA
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-6 Ext 2386

Website: www.uok.edu.pk

Email: kubs@uok.edu.pk

Department of

Commerce

Introduction

The department of Commerce has been imparting quality research oriented business education since 1974. In order to keep pace with the dynamic world of business and business education, the department of Commerce has brought a change in its curriculum which is in compliance with the courses which are demanded in the business world. The students are capable of acquiring good jobs both at national and international level.

The department has been instrumental in providing candidates with thorough knowledge and understanding of the principles of commerce and business.

Career Opportunities

The mission of the department of Commerce is to equip students with analytical tools required for business management in the contemporary competitive world and to provide students with opportunities to explore new business vistas.

Faculty Members

Associate Professor

- Dr. Tahir Ali (*Chairman*)

Assistant Professors

- Ms. Zaeema Asrar Mohiuddin
- Mr. Hasan Raza
- Ms. Sadaf Mustafa
- Mr. Muhammad Arfeen Siddiqui

Lecturers

- Ms. Aysha Fareed
- Mr. Muhammad Farukh Aslam

Programs Available

- BS
- M.Com.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-6

Website: www.uok.edu.pk/faculties/commerce

Department of

Public Administration

Introduction

The department of Public Administration prepares exceptional students for leadership positions in government, business and civil society. With its academic programs emphasizing academic excellence and practical orientation, the department has quickly occupied a unique position in the University of Karachi after being established formally as a department in the year 1995. The objective of DPA is to approach the issues relating to the stewardship of common goods with an interdisciplinary approach, at tries to work at the intersection of economics, business, law, political and social sciences.

Career Opportunities

The department of Public Administration aims to cater to the need of the times, and to impart such skills to its graduate which can be called upon under ever-changing circumstances. Having received training in leadership skills, sociopolitical analysis and management, the graduates of our department are serving at leading positions within the public and corporate sector, academia, research institutions and media.

Specific Research Areas

The department of Public Administration conducts analytically rigorous and theoretically informed research within the following fields:

- Governance and Globalization
- Public Policy and Policy Analysis
- Local Government Financial Management
- Marketing Management
- Human Resource Management

Facilities

The newly constructed state-of-the-art building houses not only multiple lecture rooms and the faculty offices (while offering significant flexible space for staff and students) but also has: Conference Hall and Common Rooms Well-equipped Computer Lab Seminar Library housing relevant books, journals and academic literature Research Lab.

Faculty Members

Professors

- Dr. Akhtar Baloch (*Chairman*)
- Dr. Khalid M. Iraqi (*Dean*)

Associate Professor

- Dr. S. Shabib ul Hasan

Assistant Professors

- Ms. Afsheen Nizam
- Mr. Shahid Zaheer Zaidi
- Ms. Saima Akhter
- Dr. Ghazal Khawaja

Lecturers

- Mr. Mustafa Hyder
- Ms. Tehmina Faisal

Programs Available

Morning Program

- BPA (Hons.)
- MPA
- M. Phil./Ph.D.

Evening Program

- BPA (Hons.)
- MPA
- MAS
- MHRM
- PGD HRM
- PGDPA
- PGDPA & PPA

For Further Enquiry

Telephone: 99261300-6 Ext-2383

Website: www.uok.edu.pk

Email: dpa@uok.edu.pk

Department of

Chemical Engineering

Introduction

Bachelor of Chemical Technology programme was initiated in 1987 in the Department of Applied Chemistry. The programme was upgraded and the Department of Chemical Engineering / Technology was established in 2004. Since 2007 Department of Chemical Engineering has been providing teaching and training facilities in the field of Chemical Engineering to undergraduate students. Its graduates are being accredited by Pakistan Engineering Council (PEC).

Chemical Engineering deals with the application of natural and mathematical science for the conversion of raw material on Industrial scale into compatible marketable products without polluting the environment.

The syllabus has been designed to provide maximum emphasis on core Chemical Engineering subjects. However there are also several courses on interdisciplinary Engineering subjects. The syllabus approved by various statutory bodies of Karachi University is in line with the recommendations of HEC/PEC.

Facilities

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

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 Textiles. Many Chemical Engineers work as consultant, managing their own companies.

Faculty Members

Assistant Professor

- Engr. Ms. Shagufta Ishtiaque (*In charge*)
- Mr. Adeel ur Rehman

Lecturers

- Engr. Mr. Muhammad Yasir Khan
- Engr. Mr. Saqib Ali
- Engr. Mr. Furqan Ali
- Engr. Mr. Kashif Hussain
- Ms. Kehkashan Nawaz
- Engr. Mr. Ahsan Abdul Ghani
- Engr. Ms. Mehwish Altaf
- Mr. Obaid ur Rehman
- Mr. Ahsan Abdul Ghani
- Ms. Mehwish Altaf
- Mr. Muhammad Shoab

Program Available

- B.E. in Chemical Engineering

For Further Enquiry

Telephone: 99261300-06 Ext-2535

Website: www.uok.edu.pk

Email: ct@uok.edu.pk

Department of **Agriculture & Agribusiness Management**

Introduction

The department of Agriculture launched BS-Program in Agriculture in 2004 and acquired the status of the department in 2006. It was renamed as the Department of Agriculture and Agribusiness Management in 2008. The Department offers specializations in agribusiness management, plant protection and plant pathology.

Agribusiness is an important and ever expanding industry in Pakistan. It combines the study of agricultural sciences with the management skills providing an understanding of economic and business principles and their application to Agribusiness.

The program aims to develop a range of personal and transferable skills and critical appreciation of the techniques to assist effective execution of the agribusiness management function.

It cannot be denied that the implementation of proper pest and disease management strategies can be helpful in increasing the crop yield and ultimately boost the economy of the country. The courses offered for specialization in plant pathology or plant protection enable the students to acquire in-depth knowledge of pest and diseases affecting crop, vegetable, fruit and ornamental plants in the country and make them aware of the management strategies to overcome the problem.

Career Opportunities

Specialization in Agribusiness management is helpful in getting jobs in farm business related to national and multinational organizations as managers, consultants, supply chain coordinators and accountants. It also provides an opportunity to enter self-employment immediately after graduating, largely within the farming or food sectors.

Students specializing in plant protection or plant pathology have job opportunities in various research organizations like plant protection, PARC, PCSIR, NIAB, NIA, ARI etc. They can also get jobs in plant and pesticide related national and multinational organizations.

Specific Research Areas

The department is actively engaged in research related to Entomology, Mycology, Plant Pathology and Agribusiness. Several research students are also enrolled for M. Phil. /Ph.D. programs. Faculty members and research students regularly publish research papers in journals of national and international repute.

Facilities

The department is well equipped with modern teaching aids. It also has facilities for research on topics related to fields of entomology, mycology, plant pathology and Agribusiness. The department's seminar library has a good collection of books related to agriculture and agribusiness that students can have easy access to.

Faculty Members

Professors

- Dr. Saleem Shahzad (*Chairman*)
- Dr. Saif Ullah Khan

Associate Professor

- Dr. Saboohi Raza

Assistant Professor

- Dr. Muhammad Faheem Akbar

Lecturers

- Mr. Muhammad Talha Azeem
- Mr. Syed Rameez Hasan Rizvi
- Mr. Shahan Aziz
- Ms. Shugufta Sahar
- Mr. Amjad Sultan

Programs Available

- BS
- B.Sc. with specialization in Agribusiness, Management or Plant Protection and Plant Pathology
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 9926261300-6 Ext. 2546

Website: www.uok.edu.pk/faculties/agriculture

Email: shahzad@uok.edu.pk

Department of Applied Chemistry & Chemical Technology

Introduction

The department of Applied Chemistry and Chemical Technology was established in 1971. 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 emphasis has been put on important chemical industries in 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 and abroad.

Career Opportunities

Excellent job opportunities exist not only in industries in Pakistan, but also in foreign countries.

Facilities

The department has the latest collection of books in its Seminar Library and also provides students with the E-Library facility, Computer Lab and DSL internet accessing. There are state-of-the-art laboratories for undergraduate and graduate level courses.

Faculty Members

Associate Professors

- Dr. Mehdi Hasan Kazmi (*Chairman*)
- Dr. Riaz Ahmed

Assistant Professors

- Dr. M. Ashraf Kamal
- Mrs. Shagufta Afaq
- Mr. Mohib Raza Kazmi
- Dr. Mumtaz Danish Naqvi
- Dr. Farah Siddiq

Lecturers

- Mr. Zahid Farhad
- Ms. Farah Inamullah
- Mrs. Nausheen Yaseen
- Ms. Sadia Khan
- Mr. Rizwan Qasim
- Mr. Zeeshan Akhter
- Mr. Kashif Riaz
- Mrs. Mahwish Mobin Khan
- Mrs. Mariam Mudassir
- Ms. Sadia Amber

Programs Available

- B.Sc. (Hons.)
- M. Sc.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext. 2279

Website: www.dacct.com, www.uok.edu.pk

Department of

Applied Physics

Introduction

The department of Applied Physics was established in 1971. The objective of the department is to enable the students to face challenges of the fast growing technology in the field of Electronics and semiconductors so that they can meet the growing technological needs of the industries in Pakistan in the area of applied physics.

The syllabus is updated to keep abreast with the latest developments in technology. It provides an in-depth understanding of the subject such as analog and digital electronics, industrial electronics, semiconductor devices, communications systems including micro-wave and optical fiber communications. Micro-processor/ Microcontroller and digital signal processors (DSP) are hubs of intelligent electronic systems including computers and almost all state-of-the-art equipment used in communications. These devices are used in industrial and medical applications. A comprehensive scheme of study and applications is provided for these subjects.

The laboratory training begins with circuits related to basic analog electronics, industrial electronics, leading to the development of a single board computer based on microcontroller. The students are also trained in 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.

Career Opportunities

A variety of employment opportunities are available to the graduates of applied physics, ranging from public sector organizations to multinational and national industries and research organizations.

Facilities

The department has well-equipped laboratories to teach practical aspect of electronics. 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 helps train students in microwave and optical fiber communication systems. Students use software and

hardware tools such as VHDL, electronic design automation to develop embedded systems. Computer-controlled (CNC), PCB prototyping machine, logic analyzer, spectrometer, and lock-in amplifiers, are available for research in the field of semiconductor.

Faculty Members

Assistant Professors

- Ms. Farida Farrukh (*In charge*)
- Mr. Abid Hussain
- Mr. Arshad Hussain
- Dr. Zeeshan Alam Nayyar
- Mr. Zia-ur-Rehman

Lecturers

- Mr. Faisal Rafique
- Mr. S. Mamnoon Akhter
- Mr. S. Naseer Akhter
- Ms. Nazia Sadiq
- Ms. Ambreen Insaf

Programs Available

- B.Sc. (Hons.) with specialization in electronics.
- M.Sc. with specialization in electronics.

For Further Enquiry

Telephone: 99261300-6 Ext. 2258/2564

Website: www.uok.edu.pk

Email: fafarrukh@uok.edu.pk

Department of

Biochemistry

Introduction

The department of Biochemistry, established in 1962 is the pioneer independent department of Biochemistry in our country. Since its inception, the department has shared the University of Karachi's goals of excellence in research and education. Traditionally known for strength in major areas of molecular biology, genetics, cell biology, biotechnology and bioinformatics, the current faculty is continuing to broaden its representation and reputation in other areas, most notably, Clinical Biochemistry, Environmental Biochemistry, Enzymology, Hematology Immunology, Genomics, Molecular Biophysics, Neurochemistry/ Neuropharmacology, Biotechnology, Nutrition and Proteomics.

Career Opportunities

Excellent career opportunities exist for students acquiring a degree in Biochemistry. Our graduates are working in multinational companies, teaching and research organizations, Pharmaceutical companies, Biomedical companies, Forensic science laboratories, hospital and clinical laboratories and different public and private sector industries.

Graduates can also pursue an M. Phil. or Ph.D. in universities in Pakistan and abroad in areas such as clinical research, drug development, Nutritional Sciences, Bioinformatics Biomedical Science.

Specific Research Areas

Clinical biochemistry; Drug targeting and development; Molecular genetics and genetic engineering; Biotechnology; Biophysics; Bioinformatics; Enzymology; Neuropharmacology; Molecular neurochemistry; Proteomics and Genomics; Nutritional science; Psychopharmacology and Toxicology Lipidomics.

Facilities

Dr. Zain Memorial Library of the department of Biochemistry has the latest collection of books on Biochemistry with over 100 biochemistry related journals in print and/or with on-line access.

Computing Facilities:

Numerous research and other student groups operate computing clusters for research needs and coursework.

Equipment Facilities:

The department is equipped with cutting edge techniques like PCR, High Performance Liquid Chromatography Column Chromatography Spectro-

photometer; Electrophoresis, Flame Photometry, Freeze Drying, Fluorimetry and Ultra centrifugation etc.

Faculty Members

Professors

- Dr. Abid Azhar (*Dean*)
- Dr. Viqar Sultana (*Chairperson*)
- Dr. Tabassum Mahboob
- Dr. Tahira Perven
- Dr. Samina Bano
- Dr. Saeeda Haider

Assistant Professors

- Dr. Siddiqua Jamal
- Dr. Hajra Naz
- Dr. Farhat Batool
- Dr. Shamim A Qureshi
- Dr. Erum Shireen
- Dr. Sajjad Haider
- Dr. Sadaf Naeem
- Ms. Sadia Saleem
- Dr. Faizan Hassan Naqvi
- Dr. Huma Ikram
- Dr. Muhammad Noman Syed
- Dr. Yasmeen Raashid
- Dr. Muhammad Farhan Kamali

Lecturers

- Ms. Asma Khan
- Ms. Beena Hassan
- Ms. Ayesha Khan
- Ms. Fizza Hassan Naqvi

Programs Available

- B.Sc. (Hons.)
- M.Sc.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 9926261300-6 Ext. 2489

Website: www.uok.edu.pk/faculties/biochemistry

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.

Career Opportunities

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.

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.

Faculty Members

Professor

- Dr. Mustafa Kamal (*Chairman*)

Assistant Professors

- Ms. Syeda Mariam Siddiq
- Ms. Raheela Rahmat
- Dr. Saif Ullah

Lecturers

- Ms. Shumaila Rashid
- Ms. Erum Hanif
- Ms. Shafaq Aiyaz Hassan
- Ms. Mahnaz Ahmed
- Ms. Ayesha Kamran
- Ms. Shumaila Samad Khan

Programs Available

- B.Sc. (Hons.)
- M. Sc.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-6 Ext: 2474

Website: www.uok.edu.pk

Department of

Botany

Introduction

The department of Botany was established in 1953. The University at that time was located on Chand Bibi Road, near Civil Hospital Karachi. When the University moved to its present premises on 18th January 1960, the department of Botany was initially located in two barracks. The present building of the department of Botany with laboratories, lecture rooms and an auditorium was built in the late 1960s.

The department offers over 70 different courses of studies at the undergraduate and post graduate levels to cater to the human resource requirements for teaching and research in the fields of education, agriculture, environmental NGO's, pharmaceutical 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. Starting 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 the 3rd and 4th years, instead of subsidiary subjects, they are required to study major subjects within the field of Botany. In M.Sc. Final, the students specialize in one of the branches of Botany, which include: Applied Botany, Mycology & Plant Pathology, Plant Physiology, Plant Ecology, Phycology & Marine Botany and Plant Taxonomy.

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

Facilities

The department has well-equipped laboratories and a vast collection of books and research papers in the seminar library. It also provides facilities to students 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 vast collection of more than 150,000 plant specimens collected from different regions of Pakistan, in addition to a large collection of specimens of algae and fungi.

Specific Research Areas

The department of Botany has developed a productive research and teaching group in plant sciences. Members of the faculty are working in many specialized fields of plant sciences and are endeavouring to enhance our knowledge of the plant world. Following are the specific

research areas:

1. Classical Taxonomy, Chemosystematics and Cytogenetics.
2. Plant Anatomy and plant Tissue Culture
3. Phycology and Marine Botany
4. Mycology, plant pathology and Fungal Biotechnology
5. Plant Physiology
6. Plant Ecology and Environmental pollution

Members of the teaching staff have completed more than 50 research projects with the support of national and international funding agencies. Currently several research projects are in progress. More than 2500 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. Surayya Khatoon
- Dr. Muhammad Javed Zaki
- Dr. Syed Ehtesham ul Haque (*Chairman*)
- Dr. Aliya Rehman
- Dr. Raiha Qadri
- Dr. Shahnaz Dawar
- Dr. Rubina Abid

Associate Professors

- Dr. Zamin Shaheed Siddiqui
- Dr. Sharf-un-Nahar

Assistant Professors

- Mrs. Rubina Iqbal
- Ms. Neelofer Hamid
- Dr. Seemi Aziz
- Dr. Sadaf Gul
- Dr. M. Fahim Siddiqi
- Dr. Laila Shahnaz
- Dr. Naeem Ahmed
- Dr. Mohammad Azeem

Lecturers

- Ms. Amna Ahmed
- Ms. Maria Hamid

Programs Available

- B.Sc. (Hons.)
- M.Sc.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 9926261300-6 Ext. 2288

Website: www.uok.edu.pk/botany

Department of

Chemistry

Introduction

Chemistry is a noble central science which helps to understand the origin of life and suggest ways to use non-living things for giving comfort to life. To train the young generation and to direct their approach to accomplish this task easily, it is necessary to make the students understand the principles underlying the composition, structure and properties of substances along with the transformation that they undergo. It is therefore obvious that 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.

The Department of Chemistry is one of the oldest departments of University of Karachi. When the university was shifted to its present location, the department occupied one of the few newly constructed buildings and is still housed there for the last 58 years.

Career Opportunities

A person with a BS/Masters degree in Chemistry has a wide choice of employment opportunities especially in one of the many industries listed below and research institutions that are emerging in the country. These include the; Textile Industry, Pharmaceutical Industry, Clinical Laboratories, Oil Refineries, Chemical Industry, Paint Industry, Cement Industry, Beverages & Food Product Industry, Analytical & Instrumental Service, agencies, Polymer Industry.

Specific Research Areas

Analytical, Inorganic, Industrial, Organic, Physical, Environmental, Pharmaceutical, Clinical and Polymer Chemistry.

Facilities

There were several libraries in the University of Karachi, which hold chemistry books and related technical journals. These include Department of Chemistry's own Seminar Library. This 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, centri-fuges as well as a substantial stock of glassware and chemicals. A modern instrument laboratory has been furnished to house the new atomic absorption spectrometers, the new atomic absorption spectrometer, HPLC, GC, GC-MS nuclear magnetic resonance spectrometer as well as some other modern instruments. These and other instruments were acquired through a generous grant of

Rs.39.95 million provided by the Higher Education Commission. The department of chemistry has an internet available in almost every teachers room/research lab. Which is to the central facility through a fiber-optic link. Furthermore, the department also has a well equipped computer lab for 45 students.

Faculty Members

Professors

- Dr. Syed Azhar Ali (*Chairman*)
- Dr. Dilshad Waqar
- Dr. Rahat Sultana
- Dr. Rehana Saeed
- Dr. Rafia Saeed
- Ms. Shaista Jabeen
- Dr. Majid Mumtaz
- Dr. Hajra Tahir
- Dr. M.Nasir Uddin Khan
- Dr. Nasreen Fatima

Associate Professors

- Dr. Sumayya Saied
- Dr. Firdous
- Dr. Imran Ali Hashmi
- Dr. Itrat Anis
- Dr. Uzma Ashiq
- Dr. Shaista Perveen
- Dr. Azhar Siddiqui

Assistant Professors

- Dr. Masooda Qadri
- Dr. Shaikh Mohiuddin
- Dr. Rifat Ara Jamal
- Dr. Zahida Karim
- Dr. Naushaba Zafar
- Dr. Tehseen Ahmed
- Dr. Erum Zahir
- Dr. Syed Nawazish Ali
- Mr. Muti ur Rehman
- Dr. Rashida Perveen
- Dr. Shazia Nisar
- Dr. Humaira Bano
- Dr. Raheela Naz
- Dr. Summayia Masood
- Dr. Zahid Hussain
- Dr. Syed Tariq Ali

Lecturers

- Ms. Hamida Sultan Muhammad
- Mr. Agha Arsalan Wasim
- Mr. Mohsin Ali
- Mr. M. Asad Khan Tanoli
- Ms. Qurat-ul Ain
- Mrs. Saba Arsalan

Programs Available

- B.Sc. (Hons.)
- M.Sc.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-6 Ext-2290

Website: www.chemuok.edu.pk

Email: chemistry@uok.edu.pk

Department of

Computer Science

Introduction

The department of Computer Science was established by a resolution of Academic Council in its meeting, held on November 27, 1984. The Department began functioning in the 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 quality professional with sound fundamental knowledge. For this purpose, the Department started a four year degree undergraduate BS program in the year 1996, and a two year postgraduate program MS (Computer Science) as well as Ph.D. (Computer Science).

In 2009, the department moved to a new building with latest equipment and modern infrastructure.

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. Top software houses are in contact with the department and conduct job tests and hire students even before their graduation. We are proud that our graduates are working in top international organizations and there are graduates who become entrepreneur and running their own software houses.

Facilities

Computing Facilities

The new building of the department of Computer Science (UBIT) is fully equipped with latest technology 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. The internet facility is available round the clock in all the labs, which enables students and faculty members to keep in touch with the latest trends in academic and the corporate world. The department is continuously upgrading the computing infrastructure according to the market demands. Following labs are functioning in the department.

- Physical Laboratory
- Electronics Laboratory
- Networking Laboratory
- Software Engineering Laboratory
- AI & Soft computing Laboratory
- Database and information system Laboratory
- Graphics and Multimedia Laboratory
- General purpose Laboratory

Seminar Library

The department also provides an in-house seminar library facility which contains more than a thousand books on computer science/IT and related disciplines along with IT/CS magazines, international research journals and periodicals.

Specific Research Areas

The department has produced seven Ph.Ds during the past few years and over 10 candidates are on their way to the completion of their MS (CS) and Ph.D. (Computer Science) research work. Our research areas include: Artificial Intelligence, Soft Computing, Neural Networks, Advance Database systems (temporal and fuzzy), MIS, Computer Networks Network Security Parallel & Distributed Computing, Natural Language Processing etc.

Faculty Members

Assistant Professors

- Mr. Badar Sami (*In charge*)
- Dr. Syed Jamal Husain
- Dr. Nadeem Mahmood
- Dr. M. Sadiq Ali Khan
- Dr. Tahseen Ahmed Jilani
- Mr. Muhammad Saeed
- Mr. Hussain Saleem
- Mr. S. M. Khalid Jamal
- Mr. Syed Asim Ali
- Mr. Farhan Ahmed Siddiqui
- Ms. Humera Tariq

Lecturers

- Ms. Erum Shahid
- Mr. Muhammad Sajid
- Mr. Jameel Ahmed
- Mr. M. Naveed Anwar
- Ms. Shaista Rais
- Mr. Taha Bin Niaz
- Ms. Madiha
- Mr. Syed M. Zain Abbas
- Ms. Humaira

Programs Available

- BS (BSCS) (Morning/Evening)
- BS (BSSE) Software Engineering (Morning/Evening)
- MCS (Morning/Evening)
- PGDCIS (Evening)
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-6 Ext. 2462/3462

Website: www.uok.edu.pk/dcs-ubit

Email: info@uok.edu.pk

Department of

Food Science & Technology

Introduction

The department of Food Science & Technology was established in 1994 to cater to the needs of the fast growing food industries in the country and also to meet the ever growing demand for food scientists and technologists in government, research and educational establishments. Prof. Dr. Rashda Ali was the founder chairperson of the department. Over the years, the department has developed linkages with universities in Germany, UK and U.S.A. The department has also been involved in organizing workshops, seminars, conferences and training courses. Presently it enjoys a very good rapport with both national and multinational food industries of Pakistan.

Career Opportunities

- Food Technologist
- Food Engineer
- Food Analyst
- Production Manager
- Quality Control/Assurance Manager
- Food Safety Inspector
- Food Researcher
- Research and Development Manager

Facilities

Laboratory Facilities

The new building of the department has eight major laboratories equipped with all basic facilities. The laboratories included Food Engineering, Food Chemistry, Food Microbiology, Food Quality, Food Analysis, Food Biochemistry and Post-Harvest, Food Analytical and Computer/I.T. These laboratories are equipped with state-of-the-art sophisticated instruments namely Differential Scanning Calorimeter, Universal Testing Machine, Visco-Amylograph, Bomb Calorimeter, UV Visible and Near Infra Red Spectrophotometers, Polarimeter, Atomic Absorption, Gas and High Performance Liquid Chromatography.

Specific Research Areas

- Post-Harvest lives of fruits and vegetables
- Edible films and coatings
- Modified Starches
- Antioxidants
- Flavonoids

Faculty Members

Professors

- Dr. Muhammad Abid Hasnain (*Chairman*)
- Dr. Jehan Ara
- Dr. Syed Asad Sayeed

Associate Professor

- Dr. Shahina Naz

Assistant Professors

- Dr. Rahmanullah Siddiqui
- Ms. Faiza Abdur Rab
- Dr. Feroz Alam Jafri
- Dr. Mahmood Azam
- Dr. Tahira Mohsin Ali
- Dr. Muhammad Abdul Haq

Programs Available

- BS
- M. Phil./Ph.D.
- PGD-Food Safety & Controls

For Further Enquiry

Telephone: 99261300-7 Ext. 2413

Website: www.uok.edu.pk

Department of

Genetics

Introduction

The department of Genetics was established in 1969 at the University of Karachi. The department has highly qualified faculty members and takes great pride in maintaining an intellectual atmosphere in order to promote learning.

Career Opportunities

Graduates of the department have job opportunities in hospitals, universities and industries. Many of the former students are also serving various organizations in foreign countries.

Facilities

The department maintains an in-house seminar-library as well as computer clusters in the Bioinformatics Lab. In addition to the regular teaching laboratories, there are four research laboratories equipped with modern and latest apparatus for research students. Some in-house recreational facilities are also available for healthy activities of students.

Specific Research Areas

Various research projects have been completed successfully in the department and many others are in progress, including the ones on human genetics, plant genetics and microbial genetics. The Department also enjoys collaboration in research with many foreign and local universities including other departments of the University of Karachi. The outcome of the research has been published in various reputed international journals.

Faculty Members

Professor

- Ms. Talat Haider

Associate Professors

- Dr. Obaid Yusuf Khan
- Dr. Maqsood A. Ansari (*Chairman*)
- Dr. Uzma Badar
- Dr. Fouad M. Qureshi

Assistant Professors

- Dr. Shakeel ur Rehman Farooqui
- Dr. Simeen Mansoor Shahid
- Dr. Erum Shoab
- Dr. Nadia Khan

Lecturers

- Ms. Ayesha Riaz
- Ms. Sarwat Afshan
- Ms. Shumaiza Anis

Programs Available

- M.Sc.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-6 Ext. 2218

Website: www.uok.edu.pk

Department of

Geography

Introduction

The department of Geography is one of the pioneer departments in the University of Karachi. It was established in 1952 under the chairmanship of Professor Dr. Manik B. Pithawala. Professor Schmieder, a leading German geographer also served as Chairman in the Department. The department of Geography has been providing teaching and research in various fields of geography for the last sixty years. The department was served by leading Pakistani geographers who were educated in USA, UK and Germany. The Department has an excellent academic history. It is the only department among all the universities of Pakistan which has hosted International Geography Union (IGU) Conference. The department celebrated its Diamond Jubilee in 2012. The Department has qualified academic staff.

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 skills and expertise. Government departments, in particular, Survey of Pakistan, GSP, Statistical Bureau, Population Census, SUPARCO, SSGC, PTCL, Archeological Department, Meteorological Dept., Planning Commission and provincial departments of planning and development employ geographers for their special skills. Private consulting firms and Non-governmental Organizations (NGOs) also utilize the expertise of geographers.

Facilities

The department of Geography has well equipped Seminar Library, GIS and RS Lab., Physical Geography Lab., Cartographic Lab, Meteorological Observatory, Abdur Rauf Khan Museum, etc.

Specific Research Areas

- Regional Planning and Development
- Remote Sensing & GIS
- Transportation Geography
- Urban Geography
- Political Geography
- Agricultural Geography
- Population Geography

- Medical Geography
- Climatology
- Urban Ecology
- Environmental Geography
- Rural Geography etc.

Faculty Members

Professors

- Dr. Farkhunda Burke (*Chairperson*)
- Dr. Syed Jamil Hasan Kazmi
- Dr. Khalida Mahmood
- Dr. Azra Parveen Azad

Associate Professor

- Dr. Shamshad Akhtar

Assistant Professors

- Dr. Syed Shahid Ali
- Dr. Sheeba Afsar
- Dr. Saima Shaikh
- Dr. Salman Zubair

Lecturers

- Mrs. Anila Kausar
- Mrs. Yasmeen Anis
- Ms. Lubna Ghazal

Programs Available

- B.A./B.Sc. (Hons.)
- M.A./M.Sc.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-6 Ext-2292

Website: www.uok.edu.pk/faculties/geography

Email: geographydepartment1952@hotmail.com

Department of

Geology

Introduction

The department of Geology, University of Karachi is one of the oldest institutions for teaching geology in the country. It started functioning in 1954 under Prof. Dr. Manek B. Pithawala, a renowned geologist of pre-partition days and the author of book "Geology and Geography of Karachi".

The journey of progress and development is still continued since the establishment of the department. Staff members obtaining higher degrees and advance trainings imparted their experience and knowledge to the young future geologists. The department is determined to keep the pace of development of the field of geology and has introduced a variety of subjects like, Geochemistry, Petroleum Geology, Geo-morphology, Sedimentology, Marine Geology, Economic Geology, Hydrogeology, Engineering Geology, Geophysics and Environmental Geology.

The department of Geology has produced a large number of graduates. Most of our graduates hold key positions in national and multinational organizations and have made significant contribution in their fields of specialization. Department has good history in producing M. Phils. and Ph.Ds. A number of research projects in collaboration with national institutions and multinational companies are in progress. Staff members of the department have also published numerous research articles in journals of national and international repute having high impact factors.

Career Opportunities

There is a wide field of applications for young geologists in the country. The majority of earth science graduates are engaged in oil and gas sector, either in the exploration or services companies. Other important job opportunities are available in mineral exploration organizations. Employment in mineral based industries is also one of promising fields of work. Geology graduates are also sought after by the geochemical, geophysical, geotechnical consultancies and soil and foundation investigations. The job prospects in hydrogeology, environmental, engineering geology and urban planning are growing rapidly. Global Information System (GIS) and remote sensing are innovative fields of interest for geologists. Recently, alternate energy sector (coal, wind, solar, geothermal etc.) opened new horizons of working. Some graduates prefer to stay in the academic and R&D worlds as teachers and researchers. Graduates also have careers in GSP, PCSIR, HDIP, PPL, OGDCL, WAPDA, NIO, PMDC, coastal development authorities and offshore oil exploration companies.

Facilities

The department has an impressive geology museum, which houses a large collection of valuable rocks, fossils and mineral specimens. The department has a wide range of

advance laboratory facilities. There are well-equipped research/ teaching geochemistry, geophysics, petrology, environmental, economic, marine and engineering geology laboratories. Department also has a seminar and a reference library with a reasonable collection of books and journals.

Department also organizes technical lectures and seminars, conducted by professionals to develop sound knowledge and skills in the students for their career building. Students also participate in student chapters of many renowned/ learned societies of geological orientation such as AAPG, PAPG, SPE, KUGAA& SEGMIITE. Geological field works in the selected areas of the country as an essential part of curriculum are conducted by the faculty for student's practical training.

Specific Research Areas

- Geochemistry
- Sedimentology
- Hydrogeology
- Petrology
- Geophysics
- Engineering Geology
- Environmental Geology
- Petroleum Geology
- Economic Geology
- Marine Geology

Faculty Members

Professors

- Mr. Shamim A. Sheikh (*Chairman*)
- Dr. Viqar Hussain
- Dr. M. Niamatullah
- Dr. Shahid Naseem
- Dr. Athar Ali Khan

Associate Professors

- Dr. Gulraiz Hamid
- Dr. Erum Bashir
- Mr. Nadeem Ahmed Khan

Assistant Professors

- Mr. Muhammad Bilal
- Dr. Salma Rafi
- Dr. Sadaf Naseem

Lecturers

- Mr. Adnan Khan
- Mr. Muhammad Arsalan
- Mrs. Sadaf Ismail

Programs Available

- B.Sc. (Hons.)
- M.Sc.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-6, Ext- 2295

Website: www.uok.edu.pk

Email: geology@uok.edu.pk

Department of

Health, Physical Education & Sports Sciences

Introduction

The department of Health and Physical Education was established in 1996. Initially it introduced one year Masters program in physical education after Bachelor of Physical Education (B.P.ED).

The 2-year Masters in Health and Physical Education was introduced in 2001. The department introduced 4- year B.S/B.Sc. (Honors) Program in January 2012.

The department of Health and Physical Education provides students with knowledge and skills to enable them to achieve a degree of autonomy in developing and maintaining their physical, mental, social and emotional health. The subject matter focuses on the importance of a healthy lifestyle and physical activity in the lives of individuals and groups in society.

Career Opportunities

Our graduates can teach physical education in public and private schools, coach school-based sports and work in many other sports and recreation related careers.

A master's degree in Health and Physical Education will prepare graduates to teach physical education at a public and private high school/college/University, or become a Director/Deputy Director of Physical Education Program or become an athletic trainer or can be a fitness instructor. Furthermore, people with a physical education degree could find themselves working in city parks and recreation departments.

Facilities

The department is equipped with all the required practical facilities. A variety of sports facilities including playing fields for cricket, hockey, football and athletics, a squash court and indoor games facilities in the campus gymnasium are also available.

Every year competitive sports for both male and female students are organized at inter-departmental, inter-collegiate and inter-university levels through a variety of sports like hockey, football, cricket, badminton, athletic, etc.

The department plans to establish a fully equipped Human Performance Laboratory to incorporate the latest techniques and performance analysis methodologies.

Specific Research Areas

The Health & Physical Education has a broader scope for research in the field of Kinesiology; Exercise Physiology, Socioeconomic impact of Physical Education, Curriculum development and etc.

The basic and applied research can be done in the field of Kinesiology, Exercise Physiology and other subjects.

Due to the availability of a wide variety of topics, both qualitative & quantitative research can be done easily.

Faculty Members

Assistant Professors

- Dr. Basit Ansari (*In charge*)
- Mr. Mazahir Zia Shaikh

Lecturers

- Ms. Shazia Tabassum
- Mr. Humayun Imran Azeemi
- Mr. Kunwer Muhammaad Asif
- Mr. Wasif Nisar

Programs Available

- B.Sc. (Hons.)
- M.Sc.

For Further Enquiry

Telephone: 99261300-6 Ext - 2263

Website: www.uok.edu.pk

Email: hps@uok.edu.pk

Department of

Mathematical Sciences

Introduction

The department of Mathematics was established in 1956. Prof. Dr. Suleman Kerawala was the Founder Chairman. Many new courses including Applied Abstract Algebra, Biomathematics and Anthromathematics have been introduced to highlight the application of Mathematics in different fields. The mission of the department is to bring life to Mathematics and Mathematics to life. Areas of Pure Mathematics, Applied Mathematics and Interdisciplinary Mathematics are being pursued in teaching and research. At all levels, students are instructed in the rigor and precision characteristics of Mathematical Reasoning. They are facilitated to become acquainted with the elementary tools of Mathematics and the techniques to use them.

Career Opportunities

Our graduates have been employed in the Educational, Financial, Industrial and Commercial Institutes. They can opt for any of the following professions: High School Mathematics Teacher, College Mathematics Professor, Actuary, Software Designer, Biostatistician, Government Lab Researcher, Financial Analyst, Industry Analyst/Engineer, Education Materials Developer, Industry Consultant, etc.

Facilities

The department offers peaceful environment and provides all modern facilities to students. This is the second largest Department of the Faculty of Science, with three-story building consisting of many rooms, computer laboratory with internet facility and seminar library having three thousand books. To keep the students informed and updated with the latest developments in the modern era, department organizes seminars and workshops for faculty members and students. The Faculty Members and students actively participate in local, national and international mathematical activities and conferences. Every year Department of Mathematics holds two conferences; Conference on Mathematical Sciences during the third week of March and Conference on Anthromathematics and Sport Mathematics during the first week of September.

Specific Research Areas

The Faculty is engaged in research in the following areas:

- Algebra
- Anthromathematics

- Astrodynamics
- Fluid Dynamics
- Mathematical Physics
- Numerical Analysis
- Operational Research
- Relativity and Gravitation

The Ph. D. program facilitates young researchers in getting the experience necessary to do original research in areas of their interest.

Faculty Members

Professors

- Dr. Rana Khalid Naeem
- Dr. Syed Arif Kamal (*Chairman*)
- Dr. Sarwar Jahan Abbasi
- Dr. Syed Anwar Ali Zaidi

Assistant Professors

- Dr. Najeeb Alam Khan
- Mr. Mushtaq Ahmed
- Mr. Muhammad Javed Ansari
- Mr. Waseem Ahmed Khan
- Ms. Syeda Sadia Zia
- Mr. Waseem Ahmed Ansari
- Ms. Saba Naz
- Mr. Tanveer Ahmed Siddiqui
- Dr. Syed Inayatullah
- Dr. Muhammed Imtiaz
- Dr. Khurram Kamran
- Dr. Asif Raza Khan

Lecturers

- Mr. Shahid
- Mr. Muhammad Ayaz
- Mr. Asif Iqbal
- Ms. Asma Rani
- Ms. Hafsa Ather Jafree
- Ms. Hina Zaheer
- Ms. Noor Fatima Siddiqui

Programs Available

- B.A./B.Sc.(Hons.)
- M.A./M.Sc.
- M. I. B. M.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-6 Ext-2293

Website: <http://math.uok.edu.pk>

Email: mathematics@uok.edu.pk

Department of

Microbiology

Introduction

The department of Microbiology was established in 1957. This was the first and only department of Microbiology, for many years in this country offering undergraduate and postgraduate degrees.

Microbiology is a broad discipline with both basic and applied aspects. Therefore, microbiologists must have a good understanding about microbial taxonomy, genetics, immunology and physiology to identify these agents, explore their metabolic potential on commercial levels and to manipulate these organisms for the betterment of humanity. The study of microorganisms and their potential is also necessary for the production of bread, cheese, antibiotics, vaccines, vitamins and many other important products. Microorganisms are involved in causing serious infections in humans, animals and plants.

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 one of the popular departments and a large number of students opt to study Microbiology.

Career opportunities

A person with M.Sc. in Microbiology has a choice of employment opportunities in the following organizations:

- Pathological/ clinical/ hospital laboratories
- Food and beverage industry and agriculture
- Pharmaceutical industry
- Biotechnology industry
- KWSB/ KMC/ R & D organizations
- University/ colleges teaching and research
- Epidemiological monitoring programs
- Environmental monitoring and impact assessments

Facilities

Laboratory and Lecture Rooms

The department has 10 laboratories and 3 lecture hall/rooms where theory and practical classes are held. In addition to this, there are 3 media preparation rooms.

Cold Room Facility

The department of Microbiology is the only teaching department which possesses cold room where the research experiment at below ambient temperature can be conducted.

Computer Lab.

The lab with internet facility is available to all students.

Specific Research Areas

Research scholars are working on exceptionally diverse area of microbiology including: various fields in biochemistry, genetics, clinical microbiology, mechanisms of microbial virulence, epidemiological studies, studies on microbial enzymes of industrial importance, biotransformation, studies on bioactivities of microbial metabolites, immunological aspects of diagnosis, molecular aspects of disease diagnosis and microbial control, bacteriocins, bioactivities of natural products, molecular biology of phages, biodiversity & Environment exploration of biotechnological potential of microorganisms and many others.

Faculty Members

Professors

- Mr. Syed Muhammad Khalid
- Dr. Aqeel Ahmed (*Chairman*)
- Dr. Tasneem Adam Ali
- Dr. Shakeel Ahmed Khan
- Dr. Fasihuddin Ansari

Associate Professors

- Ms. Nayyar Jahan
- Dr. Talat Yasmeen Mujahid

Assistant Professors

- | | |
|--------------------------|--------------------------|
| • Ms. Nayyar Mehmood | • Dr. Samia Ahmed |
| • Dr. Tanveer Abbas | • Dr. Syed Abdus Subhan |
| • Dr. Asma Saeed | • Dr. Fozia Haider |
| • Dr. Abdul Wahab | • Dr. Zaid Ahmed Pirzada |
| • Dr. Asma Naeem | • Dr. M. Sohail |
| • Dr. Adnan Khan | • Mr. M. Tariq Tayyab |
| • Dr. Muneera Naz Baloch | |

Lecturers

- Ms. Anjum Zehra Naqvi
- Ms. Sadaf Jahangir
- Ms. Sadia Muhammad Saleemullah Khan
- Ms. Sana Eijaz
- Ms. Tasneem Akhter
- Ms. Amna Alam
- Ms. Wajeaha Binte Asad

Programs Available

- B. Sc. (Hons.)
- M. Sc.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-6 Ext - 2248

Website: www.uok.edu.pk

Department of

Petroleum Technology

Introduction

Petroleum Technology masters program of the University of Karachi was initiated in 1996 in the evening program, while in the morning program it was introduced in 2004. From the session 2013-14 also started B.Sc.(H) in morning program. The program aims to meet the future technical and professional requirements in petroleum industry. It is a multi-disciplinary program of the Faculty of Science/Engineering organized in collaboration with petroleum industry.

The program aims to impart theoretical and practical knowledge in upstream and downstream activities of petroleum industry such as chemistry, geology, drilling, exploration, production, reservoir, pipeline, corrosion, natural gas, LPG, refining technologies, environmental impact, health and safety designs, petroleum logistics, marketing and management, etc.

The Department of Petroleum Technology has produced a large number of graduates holds positions in national and international organizations.

Career Opportunities

Students obtaining a Master's degree in Petroleum Technology can easily get jobs in Pakistan, middle East and other countries. A Petroleum technologist is required by petroleum industry at every stage i.e. exploration and development of oil and gas fields, transportation and distillation of crude in refineries, distribution and marketing of its products.

Facilities

Internship and training programs are arranged for students in various sectors of oil and gas industries such as oil companies, refineries and services companies, i.e. Pakistan Oilfield Limited, Oil and Gas Development Corporation, National Refinery, Pakistan Refinery, Pak Arab Refinery, Byco Refinery, Pakistan State Oil Ltd, Shell Pakistan, EUP Pakistan, Sui Southern Gas Co Ltd, Baker Hughes, Halliburton Ltd, Marathon Construction, Mari Gas, MOL Pakistan, Nuricon, OMV Pakistan etc. This will help in preparing prospective candidates for petroleum industry.

Department also organized technical lectures and seminars conducted by professionals to develop sound knowledge and skill in the students for their career building. Students also participate in students chapters of many learned societies such as SPE, PAPG, KUPTAA. Field works in the various industries/areas are conducted by the department for student's practical training/knowledge.

Faculty Members

Professor

- Dr. Majeedullah Quadri (*Chairman*)

Lecturers

- Mr. Kashif Sadiq
- Engr. Mr. Syed Hasan Abbas Zaidi
- Mr. Syed Ghufuran Alam
- Mr. Atif Zafar

Programs Available

- B.Sc. (Hons.)
- M.Sc.

For Further Enquiry

Telephone: 99261300-6 Ext-2418/2370

Website: www.uok.edu.pk

Email: pt@uok.edu.pk

Department of

Physics

Introduction

The department of Physics is one of the pioneer departments of the University of Karachi. Prof. Dr. Mujtaba Karim was the founder chairman of the department. Since its inception, the department of Physics is actively engaged in imparting quality education in the field of physics and is actively engaged in research activities.

Career Opportunities

There are ample opportunities for employment both in national and international research organizations. The names of few national organizations are: Pakistan Atomic Energy commission, PIEAS, KANUPP, PCS1R, SUPARCO, Pakistan Steel Mills etc. Beside these government organizations and institutes, our graduates also have good employment opportunities in private sector as well.

Facilities

Beside teaching laboratories, the department has a number of other laboratories for research purpose. Below is the list of some facilities:

- Spectroscopy Research Laboratory
- Solid State Research Laboratory
- Condensed Matter Research Laboratory
- Fully equipped Electronics Laboratory
- A well-equipped computer Laboratory
- A Liquid Nitrogen Plant
- Dr. Sheikh Ansar Hussain Seminar Library

Specific Research Areas

The department is engaged in a number of research areas such as:

- Spectroscopy of atoms and molecules
- Material Science
- Environmental Science
- Electronics
- Theoretical Physics
- Space Physics

Faculty Members

Professors

- Dr. M. Altaf Hussain
- Dr. Tehseen Rahim (*Chairman*)
- Dr. Shahid Mehmood
- Dr. Shabana Rizvi

Associate Professor

- Mr. Naseeruddin

Assistant Professors

- Dr. Imran Ahmed Siddiqui
- Dr. Zaheeruddm
- Mr. Syed Zeeshan Abbas
- Dr. Saifuddin Ahmed Jilani
- Dr. Intikhab Ulfat

Lecturers

- Ms. Rabia Najam
- Mr. Asim Aiaz
- Mr. Hafiz M Sohail
- Mr. Sheikh M. Zeeshan Iqbal
- Ms. Sadaf Fatima
- Mr. Ommair Ishaque
- Mr. Waqar Ahmed
- Mr. Ibrahim M. Babar
- Ms. Rizwana Siddiqui
- Mr. Kamran-ul-Haq Khan
- Mr. Zuhoor Ilahi
- Mr. Imran Ahmed

Programs Available

- B. Sc.(Hons.)
- M. Sc.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-6 Ext- 2250

Website: www.uok.edu.pk

Department of

Physiology

Introduction

The department of Physiology is an important segment of the Faculty of Sciences, University of Karachi and occupies a very prominent place in the modern age of Biosciences, Clinical/Biomedical Sciences and other Applied Biological Sciences. Founded by Prof. Dr. M. H. Qazi, in 1964, the department of Physiology was the first department outside medical colleges to introduce teaching and research programs in basic and experimental physiology at the graduate and postgraduate levels. Currently, the department has 21 faculty members, 17 supporting staff members and more than 1000 students. Several renowned professors are the pioneer faculty members of the department and are presently serving on key posts in various organizations.

Career Opportunities

Physiology is the core of medical research being done all over the world. Dozens of foreign scholarships for advanced studies in Physiology. Physiologists are required in a number of places, like, pharmaceutical industry, health monitoring departments, biosynthetic industry, instrumentations in biomedical sciences, health related organizations, population welfare division, agriculture, livestock and poultry industry, diagnostic laboratories, occupational therapies, physiotherapy centers, nutritional/sports centers, radiological institutions, bio-technology, bioinformatics, bioengineering, synthetic biology, nursing, medical universities, hospitals, diagnostic laboratories, pharmaceutical industry, research and teaching institutions.

Facilities

The department has sufficient facilities necessary to run the academic and research activities. Below is the list of all the facilities:

- Well equipped labs for students & researchers;
- Audiovisual aids like overhead projectors, multimedia, camera and television for interactive teaching;
- A well organized Seminar Library with up to date textbooks and references on various disciplines of Physiology;
- Basic & ultimate Power Labs for laboratory experiments & demonstrations;
- Computer facilities are available in all special units for researchers. A separate computer laboratory with 12 computers is available for academic & research activities.
- Internship facilities for students in different organizations are available.

Specific Research Areas

A great deal of research at M. Phil. & Ph.D. levels is conducted in different disciplines of Physiology, such as Neuromuscular Physiology, Hematology, Molecular Physiology & Biophysics, Molecular & Clinical Endocrinology and Reproduction and Poultry Physiology, which is being done in collaboration -with K&Ns Poultry diagnostic & research Laboratory. Currently, more than 25 research scholars are registered in M. Phil./Ph.D. programs in various disciplines including clinicians from hospitals and medical universities.

Blood disorders; Endocrine/Metabolic & Reproductive abnormalities, especially, Diabetes mellitus, Metabolic Syndrome, Infertility. PCOS changes; Breast Cancer: Reproductive Changes in marine models; Poultry Vaccinology, diseases and molecular studies of disease mechanism; Neuromuscular disorders; Oxidative stress.

Faculty Members

Professor

- Ms. Qamar Amin (*Chairperson*)

Assistant Professors

- Dr. Ruqaiya Hasan
- Ms. Habib Fatima
- Dr. Taseer A. Khan
- Ms. Nazish Iqbal
- Ms. Sadaf Ahmed
- Mr. Anwar Ali
- Ms. Aishajaved
- Ms. Arifa Savanur
- Mr. Zulfiqar Ahmed
- Ms. Lubna Naz
- Ms. Ghazala Yasmeen
- Ms. Ambreen Niazi

Lecturers

- Ms. Shama Masroor
- Ms. Sumera Sohail
- Mr. Mudassir H. Rizvi
- Ms. Mehir un Nisa
- Ms. Saima Mushtaq
- Mr. Faizan Mirza
- Ms. Uzma Firdous
- Mr. Muhammad Nisar

Programs Available

- B.Sc.(Hons.)
- M.Sc.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-6 Ext-2296

Website: www.uok.edu.pk

Email: physiology@uok.edu.pk

Department of

Statistics

Introduction

The department of Statistics 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.

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.

Facilities

The department has a Seminar Library and data bank 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, S-PLUS, R.STATA, EVIEWS, MATHEMATICA, MATLAB, MINITAB, ITSM etc. are available for students and researchers.

Faculty Members

Professors

- Dr. S. Afrozuddin Ahmed
- Dr. Mudassir Uddin

Associate Professors

- Mr. Muhammad Aslam (*Chairman*)
- Dr. Ehtesham Hussain

Assistant Professors

- Mrs. Rafia Shafi
- Dr. Farah Yasmeen
- Dr. Javed Iqbal
- Ms. Arfa Maqsood
- Ms. Suboohi Safdar
- Ms. Bushra Shamshad
- Ms. Samreen Fatima

Lecturers

- Ms. Sara Azhar
- Ms. Saba Naz
- Ms. Rahat Bibi
- Ms. Zara Omar
- Mr. Tayyab Raza Fraz
- Mr. Tanzila Yaqoob
- Mr. Waqas Ahmed Farooqui

Programs Available

- B.A./B.Sc.(Hons.)
- M.A./M.Sc.
- BS Actuarial Sciences and Risk Management
- M.Sc. Applied Statistics (Evening)
- M. Phil./Ph.D.
- Post-Graduate Diploma in Statistics

For Further Enquiry

Telephone: 99261300-6 Ext-2298

Website: 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 of Science. Right from its inception, the department has imparted quality education at B.Sc. and M.Sc. levels. It also provides facilities for post-graduate research leading to M.Phil, and Ph.D. degrees. Presently almost all the faculty members are Ph.D. degree holders. More than 80 research projects funded and sponsored by national as well as international agencies have been successfully completed by the faculty members. Three research journals are edited by our faculty members: (i) Wildlife and Natural History (ii) International Journal of Biological Research (iii) Pakistan Journal of Entomology (HEC recognized). We are proud to mention that more than two thousand (2000) research paper by the faculty members of Zoology have been published in national and international research journals. Besides the publication of research papers, our faculty members have published books as well (50 in number).

Career Opportunities

The graduates of Zoology get jobs as teachers of Zoology in Universities. Colleges and Schools, as subject experts in various Educational Boards. Job opportunities are available in the Department of Agriculture, Agriculture Extension Department. Department of Forestry, Plant Protection, Freshwater Fisheries. Marine Fisheries Department, Fish Processing Industries, Coastal Development, Marine Observatories. Environmental Protection Agency (EPA). Fisheries Harbour Authority. Naval Hydrography and Shipping Industries, Wildlife Department, Foods and Resource Economics, Medicine Companies. Slat Aquaculture and Industries. Zoological Survey, Zoological Gardens. Safari Parks, Pakistan Council of Scientific and Industrial Research, National Institute of Oceanography, Pakistan Agricultural Research Council. IUCN, Public and Private sectors pathological laboratories, Pakistan Atomic Energy Commission; Entomology section. Pesticide companies and pest control agencies. Pakistan Central Cotton Committee, Govt. of Pakistan Horticulture Department, Quarantine Department, Armed Forces Pest Control Positions, Hospitals. Companies level pest control position. Govt. Health Department. Malaria Management Department etc. They are also hired by Forestry Departments. Middle East and Far East Countries for aquaculture industries related to marine resources and pest control

Facilities

The department has a Computer Lab and Instrument Labs of Toxicology and Hydrology containing Atomic Absorption HPLC. and GLC, Graphite Furnace, Colorimeter. Spectrophotometer and latest microscopic photographic system. In addition to the instrument Labs, the department has a Zoological Museum which occupies a special place among the museums of Pakistani 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. Since the establishment of the Department a considerable addition of insects has been made from various areas of Pakistan, Bangladesh including Oriental, Trans-Himalayan (Palaeartic) and Ethiopian region from Lasbella

and Mekran Coast. Work on fish taxonomy and pathology (freshwater and marine), protozoans helminthes, insects and other arthropods is undertaken by trained and experienced staff. The department is also working in collaboration with outstanding taxonomists in Japan, Europe. U.S.A. and Canada.

Specific Research Areas

The department also gives opportunity for research to the students, who specialize in M.Sc.

- Applied Zoology
- Entomology
- Limnology and Freshwater Fishery Biology
- Marine Zoology
- Parasitology
- Wildlife and Fisheries

Faculty Members

Professors

- Dr. M. Arshad Azmi (*Controller of Examinations*)
- Dr. Nasira Khatoon (*Director BRC*)
- Dr. Rehana Yasmeen Farooq (*Chairperson*)
- Dr. Syed Ansar Rizvi
- Dr. Musarrat Yousuf
- Dr. Muhammad Farhanullah Khan
- Dr. Seema Tahir
- Dr. Muhammad Zaheer Khan

Associate Professors

- Mr. Muhammad Atiqullah Khan
- Dr. Rahila Tabassum
- Dr. Farzana Yousuf
- Dr. Muhammad Shoaib
- Dr. Solaha Rahman

Assistant Professors

- Ms. Afshan Jabbar Khan
- Dr. Karim Gabol
- Dr. Sumera Farooq
- Dr. Ghazala Yasmeen
- Mrs. Shakila Parveen
- Ms. Shahina Rao
- Dr. Rizwana A. Ghaffar
- Dr. M. Tariq Rajput

Lecturers

- Ms. Roohi Kanwal
- Ms. Samreen Mirza
- Ms. Atia Batool

Programs Available

- B.Sc.(Hons.)
- M.Sc.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 9926261300-6 Ext-2299

Website: www.domsku.com/zoology

Email: zoology.ku@hotmail.com

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 special interest being focused in the areas of 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 postgraduate degree program, the Master of Applied Science (Economics), which began in 1977. Since 1988, this has been upgraded to a M. Phil./Ph.D. Programme.

Career Opportunities

Our M.A.S and M. Phil. degree holders, are working can make their career in the World Bank, Asian Development Bank, USAID, UNDP, UNICEF, ILO, International Food Policy Research Institute, Planning Commission, Provincial Government, Banks and Private and Public Universities.

Facilities

Library

The centre maintains a rapidly expanding library in the field of economics, with particular emphasis in areas of economics related to its principal research interests as well as a wide range of materials used for the teaching program. The library currently subscribes over 200 periodicals in economics and the social sciences. The collection of books number approximately 16000. Included in the library is an extensive collection of government of Pakistan publications, which are used by researchers as a valuable source of date. The library has a large collection of working papers of international agencies like the World Bank, IMF etc. and discussion papers series of Universities abroad.

Computer

The AERC has a fully operational computer cell is equipped with a large number of latest computer models. A large number of software packages are available including SPSS, TSP, SAS, SHAZAM, ESP, LIMDEP, EVIEW, GAUSS, QUATTRO-PRO, LOTUS-123, FOX-PRO, DBASE4, which enable sophisticated statistical and econometric analysis and handling large data sets.

Specific Research Areas

The major research areas of the centre are undertaking policy oriented core/academic research and contract research for clients, post graduate teaching and providing advisory services to the government.

Core Research

Staff members on their own initiative. Two kinds of core research may be distinguished. First, projects initiated by the centre's staff in the areas of housing, smuggling, environment, credit, agriculture, finance, nutrition, energy, public finance, trade, industry, monetary economics, poverty, social capital and empowerment of women. Second are projects initiated by the M.S. /M. Phil./Ph.D. student, which have made it possible for the centre to undertake research on relatively small projects in diversified areas. The output from core research finds its way into research published by the staff in referred journals or in the Centre's own *Pakistan Journal of Applied Economics*.

Contact Research Project By Area

Contract research is one of the major activities of the AERC and its output is published in a Research Report Series.

Faculty Members

Director and Research Professor

- Prof. Dr. Moonis Ahmar

Senior Research Economists/Associate Professors

- Nighat Bilgrami
- Dr. Samina Khalil
- Dr. M. Pervez Wasim
- Mahpara Begum Sadaqat

Research Economists/Assistant Professors

- Dr. Anjum Aqeel
- Mr. Minhajuddin Siddiqui
- Dr. Ambreen Fatima
- Mohsin Hasnain Ahmed
- Dr. Shaista Alam
- Dr. Faizan Iftikhar
- Dr. Uzma Imran

Staff Economists/Lecturers

- Mr. S. Kamran Abbas
- Mr. Sohail Javed
- Mr. Noman Saeed
- Mr. Syed Roshan Ali
- Mr. Tehseen Iqbal
- Mr. Syed Zia Abbas
- Ms. Nigar Zehra
- Mr. Khurram Iftikhar
- Mr. Asghar Ali
- Ms. Fozia Kamal

Programs Available

- M.A.S. (Masters of Applied Science in Economics)
A terminal degree only
- M. Phil. (Economics) (Morning & Evening)
If the student continues after M.A.S
- Ph.D. (Economics)

For Further Enquiry

Telephone: 99261541

Website: www.aerc.edu.pk

Email: aerc@uok.edu.pk

Area Study Centre for Europe

Introduction

The Area Study Centre for Europe, University of Karachi was established alongwith five other Area Study Centres (situated in major state sector Universities of Pakistan) by an act of parliament (ASC Ac No XLV.1975) in 1975. The Centre is an autonomous institution, under the academic discipline of the University of Karachi, supervised by a Board of Governors. It is funded by the Federal Government.

The Centre is slightly isolated from the hustle and bustle of mainstream University departments. The centre provides a peaceful atmosphere for teaching and research at the MS/ PhD level. Its MS course work programme in European studies spread over two semesters is designed to give students a thorough understanding of contemporary Europe. Besides traditional subjects like European history, philosophy and thoughts, the courses are now focused on the European Union, its politics, law, economics, external relationships and common foreign and security policy. Europe's relation with Pakistan, the Muslim world and the developing world are given particular importance.

In 2001, the ASCE was awarded the Jean Monnet Chair of European Political Science by the European Commission's Directorate General for Education and Culture (Higher Education: Socrates-Erasmus, Jean Monnet Project).

The Area Study Centre for Europe, University of Karachi became a partner in the project "CLIMA" (Euro Asian Research and Training in Climate Change Management) funded by the European Union.

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, which covers articles on contemporary European issues.

The Centre also offers courses in French, German and English languages at the certificate level and diploma in the French language.

Career Opportunities

The Majority numbers of the students after completing Course work get jobs in Teaching,

Foreign Office, Think-Tanks, National/International NGOs, Print/ Electronic Media.

Facilities

Well equipped Reference Library.

Specific Research Areas

The Centre offers one year (2 semester) course work programme with core courses in European History, Contemporary European Political and Economic Institutions, Theory and Practice of European Integration, European Union Law, The European Union's Foreign Policy, Basic Course in Economics, Research Communication Skills and Research Methodology. After passing the one-year course work programme students become eligible for thesis writing.

Faculty Members

Professor

- Dr. Uzma Shujaat (*Director*)

Assistant Professor

- Dr. Tasneem Sultana

Senior Research Fellow

- M. Shaista Shaheen Zafar
- Munazza Nargis Kazmi
- Mr. Sajjad Ahmad
- Ms. Sara Syed Kazmi
- Ms. Jaweria Tahir

Programs Available

- M. Phil. Degree In European Studies
- Ph.D. Degree In European Studies
- German Language Certificate Course
- French Language Certificate Course
- Italian Language Certificate Course
- English Language Certificate Course
- French Language Diploma Course
- Italian Language Diploma Course

For Further Enquiry

Telephone: 99261300-6 Ext- 2310

Website: www.asce-ku.com.pk

Email: asce@uok.edu.pk

Dr. A. Q. Khan

Institute of Biotechnology and Genetic Engineering (KIBGE)

Introduction

The Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi broadly aims to impart training in modern day biological sciences, biotechnology and genetic engineering. The main goal of the institute is to disseminate hi-tech training using modern technology to improve the economic wellbeing of the citizens of Pakistan by means of technological innovations in health, industrial and agriculture sectors. The Institute striving 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. The University of Karachi has allocated 25 acres of land for the creation of the KIBGE and the building of the institute has a covered area of approximately 100,000 square feet. The complex consists of four main block. Including classrooms, laboratories, administration, auditorium and a well established library. There are other on campus facilities like mosque, cafeteria and residential apartment for faculty, scientific staff and students.

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 with biotechnology industry flourishing worldwide, not only are the total number of biotechnology companies are increasing, but employment in the biotechnology field continues to grow as well.

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, environmental, industrial, marine, biotechnology, pharmaceuticals, etc.

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 and 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.

Specific Research Areas

For the last several years, the KIBGE has been actively involved in execution of various research projects in the

field of agriculture, industrial and medical biotechnology. These research projects have been funded by various agencies including PSF, HEC, PMRC, etc. The institute has produced 15 Ph.Ds during the year 2013, whereas five more students are expected to submit their PhD theses by the end of this year. Simultaneously, the faculty and scientific staff of the institute have a long list of research publications to their credit which have been published in the research periodicals of international repute. 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. The KIBGE has international collaborations with Australian National University, Canberra, Australia; INSERM, University of Paris, France; Max Planck Institute, Germany; Pasteur Institute of Iran, Tehran, Iran; University College Dublin, Ireland; University Sains Malaysia, Malaysia and Ohio University, USA for faculty exchange, split and sandwich PhD as well as Postdoctoral training programs.

Faculty Members

Professors

- Dr. Abid Azhar (*Meritorious Professor & Director General, Dean, Faculty of Science*)
- Dr. Syed Irtifaq Ali (*Professor Emeritus*)

Associate Professor

- Dr. Shah Ali UI Qader

Assistant Professors

- Dr. S. M. Shahid
- Dr. Saddia Galani
- Dr. Afsheen Aman
- Dr. Sitwat Zehra
- Dr. Saima Saleem
- Dr. Syeda Qamar Un Nisa
- Mr. Muhammad Hussain

Lecturers

- Dr. Afsheen Arif
- Mr. Muhammad Hussain

Programs Available

- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261180-2

Fax: 021-34823886-7

Website: www.kibge.edu.pk

Email: kibge@kibge.edu.pk

Dr. Panjwani Centre

for Molecular Medicine and Drug Research (PCMD)

Introduction

Dr. Panjwani Center for Molecular Medicine and Drug Research (PCMD) was established through a generous support and patronage of Ms. Nadira Panjwani, H.I. (Chairperson, Dr. Panjwani Trust). Late Dr. Muhammad Hussain Panjwani was a leading scholar and philanthropist. The PCMD has initiated numerous scientific programs focusing on possible diagnosis, prevention and treatments of often neglected and prevalent diseases of Pakistan, as well as associated human resource development.

The main objective of the center is to train highly qualified manpower in the emerging fields of molecular medicine and drug development. The academicians, clinicians and pharmaceutical researchers are working together to translate basic scientific discoveries into new therapies, vaccines and diagnostic tests. The efforts in the center is mainly focused on developing greater and more comprehensive understanding of the pattern and causes of most common diseases of Pakistan in order to develop effective diagnostic tools and affordable treatments by using molecular medicinal, chemical and computational methods.

Career Opportunities

The mission of the center is to foster excellence and achieve international recognition in the targeted areas of graduate training and research, which are relevant to national needs. To accomplish this mission, the center is involved in:

Enhancing the scientific training of graduate students in the area of molecular medicine and rational drug designing.

- Focusing on the development of new and effective diagnostic, and treatment techniques for prevalent diseases.
- Providing forum for information exchange between academic disciplines and raising general awareness about the diseases and their prevention, cure and treatments.

By the advent of next generation DNA sequencing technologies, genome research has become fast, cost effective and robust. International efforts are underway to study human genomes from specific population groups of distinct ethnic and geographic backgrounds to utilize these genomic information in biomedical research. In this scenario, the ICCBS is establishing a dedicated genomics center as a part of PCMD to strengthen the ongoing molecular medicine research efforts and to train the manpower in this cutting edge area of biology. The building of the new center is under construction by the personal donation of Prof. Atta-ur-Rahman FRS, Patron-in-Chief ICCBS institutions. The next generation DNA sequencer and related equipments have already been procured. Initially the researchers at the

center are sequencing human genomes from Pakistani population. Genome wide analysis will be performed to understand the genetic basis of complex polygenic disorders.

The PCMD also has a MoH (Ministry of Health) certified center for Bioequivalence Studies and Bioassay Research (CBSBR) and an ISO 9001 certified network of diagnostic centers.

Facilities

Well-equipped labs including:

- Tissue engineering and Stem Cell Research
- Cancer Diagnosis and Cancer Cell Line Laboratory
- Tropical Disease Research
- Infectious Agent and Disease
- Degenerative Diseases
- Proteomics and Enzymology
- Molecular Epidemiology
- Genomics, Bioinformatics and Computational Biology
- Human Genetics and Gene Therapy
- Molecular Pharmacology and Drug Resistance
- Clinical Pharmacology
- Prenatal Diagnosis
- Drug Discovery, Design and Synthetic Medicinal Chemistry
- Diagnostic and Clinical Research Facility
- Imaging Facility
- Molecular Bank Facility

Specific Research Areas

Visit our website www.iccs.edu/hej/index.php

Faculty Members

Visit our website: WWW.iccs.edu

Programs Available

- M. Phil. / M. Phil. Leading to Ph.D. in various disciplines of molecular medicine.

For Further Enquiry

Telephone: 922134824924-5, 34819010

Website: www.iccs.edu

Institute of

Environmental Studies

Introduction

The subject of environmental studies is interdisciplinary, in which the relationships of humans with their physical, biological and social environments are discoursed. The subject provides an integrated approach to the understanding and the solution of the environmental issues that range from the human community health to the global climate change. The subject emphasizes the importance of sustainable development to ensure the continuous supply of materials and constant removal of wastes and recovery from the damages that occurs due to human's activities, particularly after Industrial Revolution.

The Institute of Environmental Studies was founded in 1982 for developing the human resources to address the environmental issues of the country. This is the oldest institute in the field of environmental studies. Initially the institute offered M. Phil and Ph. D. Programmes. Later, in 1996, the Evening Programme was started for offering M.Sc. degree. Currently the Institute of Environmental Studies offers B.Sc. (Hons.), M.Sc., M.Phil, and Ph.D. degrees in both the Evening and the Morning Programmes. So far, the Institute has produced five Ph.D. scholars and hundreds of M.Sc. graduates. The Institute's graduates are currently serving in a number of national and international organizations.

The Institute provides air-conditioned lecture halls, laboratories, audio-visual facilities for the students. The Institute enjoys focal position on a number of environmental issues and activities for many national and international organizations such as WHO, UNEP, IUCN, WWF, LEADS etc. The Institute has organized many national and international workshops and seminars in collaboration with the Higher Education Commission and the Ministry of Health and Environment. The Institute has many Ph. D. faculty members which regularly publish their research works in various national and international journals.

Apart from regular teaching and research, the Institute has been regularly organizing short-term training activities for in-service personnel and for those who are involved in research and development programmes. The Mission of the Institute is to produce highly skilled man-power who could handle contemporary environmental issues and well-being of mankind, disseminate, apply and use knowledge of environment and related fields to meet the basic human needs for the improvement of environmental quality and to meet the Millennium Development Goals (MDG).

Career Opportunities

After completing the B.Sc. (Hons.), M.Sc., M.Phil, and Ph.D. degree programmes, the graduate would be able to take up managerial, technical and consultative responsibilities in various industries, multinational companies, civic agencies, consulting firms, environmental health laboratories and organizations, educational and research institutions and environmental protection agencies (EPAs). The Evening Programme of the Institute provides an excellent opportunity for the in-service professionals, particularly those who are engaged in any environment related occupation to enhance their education and understanding of the subject.

Facilities

The Institute is equipped with advanced laboratories, an updated library and modern equipments that help in researching on the global issues.

Specific Research Areas

- Global Climate Change
- Climate change impacts in Pakistan
- Capable of designing and developing low cost wastewater treatment and disposal systems for small and medium size communities.
- Agriculture sustainability through the use of treated wastewater.
- Treatment of water for potable use
- Public health aspects of wastewater treatment, disposal and reuse.
- Wastewater reclamation technology in hot climate for agriculture and fish culture.
- Capable of developing environmental health programme for monitoring and surveillance of water supply and sanitation.
- Industrial pollution control and management.
- Environmental hygiene (food and water hygiene and safety)
- Environmental impact Assessment
- Marine pollution and control
- Ecological studies
- Biodegradation of hazardous waste

Faculty Members

Professors

- Dr. Tariq Masood Ali Khan (*Director*)
- Dr. Omm-e-Hani
- Dr. Moazzam Ali Khan (*Registrar*)

Associate Professor

- Dr. Seema Jilani

Assistant Professors

- Dr. Zafar Iqbal Shams
- Ms. Suraiya Jabeen
- Dr. Waqar Ahmed

Lecturer

- Ms. Noor Fatima

Programs Available

- B.Sc.(Hons.)
- M.Sc.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06, Ext-2305
99261386 (Direct)

Website: www.uok.edu.pk/research_institutes/ies

Email: ies@uok.edu.pk

H.E.J. Research Institute of Chemistry

(International Centre for Chemical and Biological Sciences)

Introduction

The International Center for Chemical and Biological Sciences (ICCBS) is one of the developing world's finest research institution and training centers in its field. The large complex which covers more than 40 hectares, is comprised of 12 research buildings that contain some of the region's most sophisticated laboratory equipment. The complex also includes a pilot plant, powerhouse, green houses, animal house facility, auditorium and a residential with 50 houses, five apartment buildings and an international guesthouse.

The ICCBS carries out original research, training, product development and service delivery in the chemical, biological and biomedical sciences. The center also provides diagnostic, analytical and clinical testing for a broad range of clients on both the public and private sectors nationally and internationally.

Over the past 40 years, more than 700 students have earned doctorate and M. Phil, degrees at the center. These degree-granting programs have served as the focal points of ICCBS efforts to provide world-class training to young scientists coming primarily from developing countries, including those belonging to the Organization of Islamic Cooperation (OIC), an international network comprised of 57 Muslim countries, Non-Aligned Movement (NAM) and African Union.

The ICCBS also conducts cutting-edge research for the discovery of clinically important enzyme inhibitors and antioxidants, explores innovative methodologies for the synthesis of novel pharmacophores and isolate proteins, devises effective pharmacological evaluations of bioactive compounds, and seeks to identify new varieties of horticulture plants through applications of biotechnology.

In addition, the ICCBS organized major international conferences, symposia and workshops for participants from Pakistan and abroad on topics ranging from natural products, molecular medicine, spectroscopy, nanotechnology and computational medicinal chemistry.

Prof. Dr. Atta-ur-Rahman - Pakistan's former minister of science and technology and chair of HEC - currently serves as ICCBS 'Patron-in-chief providing strategic guidance for the center's broad-ranging goals. Between 1990 and 2002, he was ICCBS director, guiding the center through a period of unprecedented growth. The current director is Prof. Dr. M. Iqbal Choudhary, the most cited chemist of Pakistan, who was Atta-ur-Rahman's student nearly 30 years ago. Vice Chancellor of Karachi University, chair the ICCBS executive board.

The ICCBS has twice won the Islamic Development Banks (IDB) Prize for best Science and Technology Institution, in 2004 and 2010.

Career Opportunities

Since the ICCBS is a prime institution of the world, a large number of its graduates are serving the nation in various capacities. The ICCBS graduating scholars continuously receive offers of post-doctoral and academic positions in foreign, as well as in Universities of Pakistan. The scholars who are not interested in academic positions are welcomed by the local industries as trained R & D or Production Scientists. So far there is not a single instance of any of ICCBS graduate remaining jobless for any considerable period of time.

Facilities

The center has the single largest doctoral program in the country with over 480 Ph.D. students. The main areas of research, development and training of students include natural product chemistry, molecular medicine, protein chemistry, pharmacology, computational chemistry, nano chemistry, plant biotechnology and human genomics. The analytical, spectroscopic, computational, clinical and other facilities present in the institute are at par to any good institutions in the world. The center also has ISO 17025 / 9001 certified Industrial Analytical Center, and Center for Bioequivalence Studies and Bioassay Research which are providing services to over 350 industries in Pakistan.

A number of goal oriented projects relating to the chemistry of natural products, molecular medicine, protein chemistry, plant biotechnology and pharmacology of herbal medicine are being vigorously pursued which has led to the award of over 600 doctorate and 100 M. Phil. degrees. The scientific contributions of over 3,800 research papers, 150 books and over 150 international patents have earned international recognition.

Specific Research Areas

Visit our website www.iccs.edu/hcj/index.php

Faculty Members

Visit our website www.iccs.edu/hej/faculty2.php

Programs Available

- M. Phil. Leading to Ph.D. in various disciplines of Chemistry.

For Further Enquiry

Telephone: 92-21-99261701-02, 34824930,34,36
34824901-02

Website: www.iccs.edu

Centre of Excellence in

Marine Biology

Introduction

The Centre of Excellence in Marine Biology (CEMB) offers M. Phil, M. Phil leading to Ph. D & Ph. D. Program in Marine Biology. CEMB was established in the year 1975 under the Centre of Excellence Act of 1974. It is administrated by a Board of Governors whose Chairman is the Vice-Chancellor of the University of Karachi. The Director is the executive & administrative head of the Centre. The Board of Advanced Studies & Research and the Academic Council of the University of Karachi approve the academic program of the Centre. The degrees are awarded by the University of Karachi.

Career Opportunities

Opportunities for M. Phil & Ph.D. degree holders are available in different National/International research institution and other departments. Federal Marine Fisheries Department, Sindh & Baluchistan Fisheries Departments, National Institute of Oceanography, Institute of Marine Sciences, University of Karachi, and Fishery Industry are key organizations one can consider for job opportunity. Teaching at government / public sector degree colleges & Universities and foreign research institutions are another sector that absorbs CEMB graduates.

Facilities

- Lecture room with audiovisual support system.
- Laboratories equipped with latest scientific equipment.
- Internet access to students.
- Research Library with huge collection of books, national and international journals and other research materials.
- Teaching museum containing specimens of 500 fishes & 200 invertebrates species.
- Facility to rear live animals for student research.
- Fish Hatchery at Dam, Sonmiani provide facility for aquaculture.
- Transport facility for field surveys along Sindh and Baluchistan coasts.

Specific Research Areas

Aquaculture, Biochemistry, Chemistry, Ecology, Fisheries, Mangroves, Microbiology, Physical Oceanography, Planktology, Seaweeds, Shellfisheries, etc.

Faculty Members

Professor

- Prof. Dr. Pirzada Jamal A. Siddiqui (*Director*)

Associate Professors

- Dr. Zarrien Ayub
- Dr. Ghazala Siddiqui
- Dr. Munawwer Rasheed

Assistant Professors

- Mrs. Furqana Chaghtai
- Mrs. Safia Khanum
- Dr. Ghulam Abbas
- Dr. Noor-us-Saher
- Dr. Nafisa Shoaib
- Dr. Seema Shafique
- Dr. Sher Khan Panhwar
- Dr. Faiz Muhammad

Lecturers

- Ms. Zaib-un-Nisa Burhan
- Mr. Amjad Ali

Programs Available

- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06 Ext- 2256
99261551, 99261397 (Direct)

Fax: 99261398

Website: www.cemb-ku.edu.pk

Email: cemb@uok.edu.pk / cembku@gmail.com

Marine Reference

Collection and Resource Centre

Introduction

The Marine Reference Collection and Resource Centre is the oldest marine biodiversity research centre in Pakistan. It was founded in 1967 as an Invertebrate Reference Museum by renowned marine scientist of the country Prof. Dr. Nasima M. Tirmizi (late), who was also founder director of the first Institute of Marine Science in Pakistan. MRC&RC has been providing excellent facilities to the marine science community of Pakistan and regional countries. It supports marine biodiversity research through comprehensive taxonomic data on marine fauna and flora and is in fact one of the unique research and training facilities in the region with a mission emphasizing taxonomic research, conservation and education.

The centre, which has only been a feature of invertebrate taxonomic studies, has demonstrated an ability and agility in responding to the management and conservation of marine biodiversity in a national, regional and international context. MRC&RC has a preeminent museum dedicated to inspiring curiosity and learning about the invertebrate fauna through its unparalleled collections, exhibits and research.

So far 32 research projects have been accomplished through national and international fundings/grants. And approximately 500 research publications are to the credit of centre including illustrated keys, monographs, books and proceeding etc.

The centre is linked with numerous international research organizations including: Expert-Centre for taxonomic Identification (ETI) Amsterdam, Zoological Museum Amsterdam, Raffles Museum Singapore, Smithsonian and British Museum.

Career Opportunities

Fair opportunities are available for marine taxonomists in various teaching and research organization (Government and Non-Government).

Facilities

The centre has a carefully maintained Museum (repository) with more than 7000 specimen, Preservation room, Wet laboratory to conduct research on live specimen, Ichthyology and Pollution lab, Mangrove lab, Molluscan lab, Plankton lab, SEM (Scanning Electron Microscope) room, Photographic lab, an Auditorium and Museum library with more than 3000 books, journals, reports, proceedings etc. A shore laboratory/Marine Research Station situated at Sandspit beach is also part of Marine Reference Collection and Resource Centre.

Specific Research Areas

The Centre supports marine biodiversity research through comprehensive taxonomic data on marine fauna & flora and thus offers research and training facilities in the region with a mission emphasizing on conservation and education.

- Survey, monitoring and assessment of coastal habitats and its biodiversity.
- Collection of fauna and flora from shores, offshore waters and harbors.
- Sorting of collections, curating, preservation and storing.
- Identification, documentation, registration and cataloguing.
- Maintenance of live collection in wet/aquaculture lab, rearing of larvae etc.
- Publication of conclusions in the form of reports, monographs, illustrated keys, as well as presentation of papers at the national, international seminars/workshops, etc.
- Exchange of material as loan or donation.
- Research supervision/guidance for full/partial fulfillment of M.Sc., M. Phil./Ph.D. degrees.
- Training of manager/scientists from government and non-government organizations.
- Planning and undertaking research projects.

Research Staff

- Mr. Qadeer Mohammad Ali (*In charge*)
- Ms. Wafra Matanat Zaheen (Taxonomist)
- Dr. Farhana Ghori (Taxonomist)
- Dr. M. Uzair Khan (Taxonomist)
- Dr. Quratulan (*HEC-IPFP Scholar*)
- Dr. Kanwal Nazim (*HEC Research Scholar*)

Programs Available

- Post graduate research supervision
- Co-supervision of M. Phil./Ph.D. students

For Further Enquiry

Telephone: 021-99261645

021-99261300-06 Ext-2257

Website: www.uok.edu.pk/research_institutes/mrcrc

Email: www.mrcc@uok.edu.pk / taxonomist@hotmail.com

Institute of Marine Science

Introduction

Institute of Marine Science (IMS) was established in 1981 to acquire superior knowledge of our marine environment. Advanced knowledge of sea and skill in various fields of marine science are required for mariculture, seafood quality, seaweed culture, seashells/pearl industry, oil/ gas operators and naval warfare *etc.* The IMS undertakes research in marine science including ecological, biological, biochemical, chemical, geological studies on marine life of northern Arabian Sea. Marine resources of Pakistan are still untapped, which must be given due attention to contribute greater share in economic growth of Pakistan. Without requisite expertise in various fields of marine science it is not possible to exploit the immense wealth of our productive, rich coastal zones and continental shelves.

The Institute's mission is to conduct avant-garde research, train young scientists, provide expertise to governmental or nongovernmental agencies and industries to accomplish optimal protection for and exploitation of our marine resources and to promote fresh knowledge to constitute public policy and maritime doctrine.

Career Opportunities

- Coastal Development Authority,
- Environmental Protection Agency (EPA),
- Fisheries Harbour Authority,
- Foods and Resource Economics,
- Forest Department,
- Int. Union for Conservation of Nature (IUCN)
- Livestock & Fisheries Department Sindh,
- Marine Fisheries Department (MFD),
- Marine Observatories,
- Middle East and Far East countries where aquaculture and industries related to marine resources are highly developed,
- National Institute of Oceanography,
- Naval Hydrography and Shipping Industries,
- Pakistan Council of Scientific and Industrial Research (PCSIR) Laboratories,
- Pakistan Maritime Agency (PMA),
- Pharmaceutical Industries,
- Salt Industries,
- Sea Food Processing Industries,
- Sindh Environment Protection Agency (SEPA),
- Teaching departments of institutes, colleges and universities,
- Wildlife Department,
- World Wildlife Fund.

Facilities

The institute has computer 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 enable collection of relevant background literature and statistical analysis of large data sets.

Specific Research Areas

- Algal fuel extraction,
- Biodiversity of marine flora and fauna,
- Biofertilization,
- Chemical and biochemical study of marine organisms, seawater and sediments,
- Ecological studies of marine organisms in different coastal areas of Karachi and Baluchistan,
- Exploration of Marine Resources,
- Mariculture,
- Phycoremediation,
- Pollutants of marine environment,
- Seaweed compost,
- Study of seawater and sediment of Badin, Sindh
- Taxonomy of different marine organisms.

Faculty Members

Associate Professor

- Dr. Rashida Qari (*Director*)

Assistant Professors

- Dr. Ehsan Elahi Valeem
- Dr. Nuzhat Afsar

Lecturers

- Mr. Muhammad Shoaib Kiani
- Ms. Nazia Arshad

Taxonomist

- Mr. Qaisar Abbas

Programs Available

- B.Sc.(Hons.)
- M.Sc.
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300 Ext- 2378

Website: www.uok.edu.pk/research_institutes/ims

Email: ims@uok.edu.pk

National Nematological

Research Centre

Introduction

National Nematological Research Centre (NNRC) is a leading research and educational institute dedicated to the generation, acquisition of knowledge about Nematology in Pakistan. NNRC was established in 1974 and now has come to symbolize as an efficient, dynamic and forward looking research centre in Pakistan. Nematology is a highly specialized field of biological sciences including agriculture and provides services of specialists dealing with nematodes, 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. Ph.D. programme in Nematology is aimed at imparting a full range of knowledge, awareness and expertise in Nematology to meet the challenges of the new millennium. International and national scientific conferences, seminars and training workshops also organized as a part of the routine work/study. NNRC has regularly published bi-annual scientific journal, *Pakistan Journal of Nematology* (PJN) since 1983 and PSN Newsletter since 2002, covering the significant research in fundamental and applied Nematology within and outside the country, besides several books, booklets, manual, proceedings and many national and international patents. The centre also has collaborations in research with many international and national agricultural research institutions and universities including other departments of the University of Karachi. The website of PJN: www.pjn.com.pk

Career Opportunities

Nematology is a professional discipline and there are vast carrier opportunities in various disciplines. Research and teaching jobs are available for the NNRC graduates in agriculture related organizations/ universities/ institutions in the country and abroad.

Wide range of carrier opportunities are also accessible in various organizations such as PARC, NARC, Plant Protection, Pakistan Atomic Energy Commission, Institutes of Biotechnology & Genetic Engineering, Environmental Protection Agency, Integrated Pest Management (IPM) services, Quarantine, Seed Certification, Pesticide formulations, Food Industries and Research and Development private sector and marketing. The Nematologists are also hired for diagnostic and consultancy services for the field and laboratory practices.

Facilities

NNRC has well equipped laboratories for research work

on fundamental and applied Nematology of plant parasitic, free-living soil, fresh water, marine and entomopathogenic nematodes. NNRC also has three large modernize equipped research laboratories for advanced molecular taxonomy of nematodes especially EPN, their mass production and formulation of these biocontrol agents as a biopesticides. Computer facilities and internet access are available for researchers. The seminar Library has a collection of more than 1000 books, journals and periodicals about nematology. Over 19,000 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.

Specific Research Areas

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. Short and long term training programmes in Nematology are also arranged for researchers, students, extension workers and farmers of the country. 17 Ph. D. and 2 M. Phil. Degrees have so far been awarded. At present, 7 MS and 4 Ph. D. students are doing their research work. About 40 research projects funded and sponsored by international and national agencies have been completed successfully and some are in progress. More than 1000 research publications are credit to the centre.

Faculty Members

- Prof. Dr. Shahina Fayyaz (*Director*)
- Dr. Tabassum Ara Khanum (Research Officer)
- Dr. Salma Javed (Research Officer)
- Dr. G. S. Solangi (Research Officer)
- Dr. Nasira Kazi (Visiting Faculty)

Programs Available

- M. Phil./Ph.D.
- Short and long term training certificate programs.

For Further Enquiry

Telephone: 99261387

Website: www.uok.edu.pk/research_institute/nnrc

Email: nnrc@uok.edu.pk

Pakistan Study Centre

Introduction

Pakistan 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, 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. It has also been approved by the Higher Education Commission (HEC) as 'y' category journal whose articles are accepted for academic promotions. The Centre has the privilege that one of its alumni Dr. Muhammad Ali Siddiqui earned that D.Litt. degree while Prof. Sharif al Mujahid, a renowned scholar of international repute was designated as the Distinguished National Professor associated with the Pakistan Study Centre.

The Centre has also organized numerous international and national conferences apart from regular in-house seminars and symposia.

The Master's program 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.

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. The Masters of Pakistan Studies have also found places in civil service, faculties of universities & colleges, NGOs and Research Organizations.

Facilities

The Centre provides all academic facilities to the students. It has an excellent library with over 16,000 titles. The library also houses a number of personal collections belonging to Prof. Hamza Alavi, renowned journalist and author Zamir Niazi. Prof. A.B.A Haleem, Critics Mumtaz Shinn and Samad Shaheen, senior journalist and literary figure Hasan Abidi, Dr. Aquila Kiani and Prof. Dr. S. H. M. Jafri. As per rules the Centre allows full and half freeships in the tuition fee to the deserving students. Students are also facilitated in conduction of study tours of historical place and archaeological sites.

Specific Research Areas

- History and Historiography of Pakistan.
- Sufism and Islamic Modernism.
- Constitution and Political Development in Pakistan.
- Social Change in Pakistan.
- Literature, Art and Architecture in Pakistan.
- International Affairs with special reference to Pakistan.
- Political Economy of Pakistan.

Faculty Members

Professor

- Dr. Syed Jaffar Ahmed (*Director*)

Associate Professor

- Dr. Anwar Shaheen

Assistant Professor

- Ms. Navin G. Haider

Lecturers

- Ms. Sadaf Masood
- Mr. Yasir Hanif
- Ms. Erum Muzafar

Programs Available

- M.A.
- M. Phil./Ph.D.
- D.Litt.

For Further Enquiry

Telephone: 99261300-06, Ext-2402

Website: www.uok.edu.pk/research_institutes/psc

Centre for

Plant Conservation

Introduction

Centre for plant Conservation was established at the Karachi University with the funding of HEC. The Centre is divided into two major sections: (i) Botanic garden and (ii) The herbarium, Centre for plant Conservation is the hub of Academic and research activities. Herbarium is a fundamental source of identification of plants and permanent reference centre. It serves basic need of identification for basic and applied research in botany, biology, agriculture, pharmacy, genetics pharmaceutical chemistry, aerobiology and biotechnology. Aim of the Centre is to provide and promote facilities for advanced study and research in various aspects of plant conservation, plant systematic and ethno botany. It enhances the knowledge of plant conservation and sustainable utilization of plant biodiversity of rare and endemic plants of Pakistan and also provides opportunities for collaborative research with related department/institutes.

Career Opportunities

Students holding M. Phil./Ph.D. degrees from Centre for plant Conservation can apply in different academic and research institutions and scientific organizations

Facilities

Tissue culture Laboratory: well equipped laboratory is working to conserve the country's rare plant species, through in-situ as well as ex-situ conservation. Herbarium Library has more than 2000 books and 240 journals dealing on taxonomy for research scholars and students, and numbers of floras and monographs. Herbarium has more than 150,000 plants species (mostly flowering plants), including those which are several decades old. Scanning Electron microscope, seed Bank: has been established in the botanic garden, which contain seeds of more than 350 different species including wild, cultivated, ornamental and medicinal plants and many more are under process, internet facilities also available.

Specific Research Areas

Plant taxonomy, plant biodiversity, plant conservation, tissue culture, germ plasma storage, ethno botany

Faculty Member Professor

- Dr. Anjum Perveen (*Director*)

Programs Available

- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-6 Ext- 2557, 2371

Website: www.uok.edu.pk/research_institutes/cpc

Email: cpc@uok.edu.pk / anjumtahir@uok.edu.pk

National Centre for

Proteomics

Introduction

Proteomics refers to the study of all proteins being expressed in a tissue, cell or an organ at a particular point and time. It reflects a snapshot of expressed proteins in the sample being analyzed. Proteomics is being utilized as a core technology globally to understand the role of protein molecules involved in health and disease. The cutting edge technologies used in Proteomics have much greater impact in terms of early diagnosis and offers tremendous potential in prevention and therapeutics. A recently established Institute, NCP is working to facilitate fundamental understanding of disease states by discovery of biomarkers and translation of these advances to improve clinical diagnostics using laboratory investigations and bioinformatics methods. Proteomic technologies use a combination of chromatography, electrophoresis, Mass spectrometry and bioinformatics tools. Various projects on different types of cancers, diabetes, eye disorders, role of glycation and antioxidants in aging are in progress at the institute. During the last five years the institute has produced 04 Ph.D. and 01 M.Phil.

Career Opportunities

Proteomics is a specialized field that deals mainly with identification of proteins, analyzing post-translational modifications, studying differentially expressed proteins etc. The field is suitable for students interested in developing their career as a researcher particularly in area of protein chemistry. Researchers are trained through lectures, wet lab and dry lab sessions in latest techniques involved in genomics and Proteomics. Students completing M.Phil./Ph.D. degree are likely to get job opportunities in research and development organization, Universities, Pharmaceutical industries, medical college and Universities and pathological laboratories etc.

Facilities

NCP has state-of-the-art facilities in the field of Proteomics. The Institute is equipped with instruments such as one and two dimensional electrophoresis, Western blot, gel doc with image analysis software like quantity one/PD Quest, spot cutter, conventional and high pressure liquid chromatographic technique with accessories, Millipore water purification system, ice flake machine, FPLC, PCR, QPCR, and LC-MS. NCP also has a computer lab with complete *in-silico* solutions for data analysis, protein structure

prediction, Web based searches and protein docking studies. NCP has a library with different reference books and journals related to genomics and proteomics.

Specific Research Areas

- Proteomics profiling of oral carcinoma
- Drug induced apoptosis in Hepatocellular carcinoma
- Oxidative stress in aging and diabetes
- Glycation and aging
- Plasma proteomics in Thalassemia subjects
- Drug screening against RNA/DNA Viruses
- Venom Proteomics
- Stem Cell Research
- Blood Disorders (Thalassemia)
- Heavy Metal Induced Apoptosis

Faculty Members

Professor

- Dr. Shamshad Zarina (*Director*)

Assistant Professors

- Dr. Faraz Moin
- Dr. Kanwal Haneef
- Dr. Zehar Manzoor

Programs Available

- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300 Ext-2548

Website: ncp-uok.edu.pk

Email: ncp@uok.edu.pk

Institute of

Space & Planetary Astrophysics

Introduction

Today we live in an era characterized by high-Q technology and microgravity science on the Earth managed by observations and experiments in Outer Space. Space technology is being used for dynamic traffic information, air traffic control, navigation, communication via satellite (GNSS), e-marketing monitoring, precision agriculture, planning & management of land use, mining, public safety & disaster management and plate tectonics. Thus Space technology acts as a catalyst in socio-economic uplift of a country.

Education and research in space science and technology is an integral part of the Institute of Space and Planetary Astrophysics (ISPA), University of Karachi. The main objective of the institute is to carry out basic and applied research in the fields of Space Science. Our all curricula are designed to support Pakistan's Space Vision 2040 program laid down by the present government, from its inception in 1994. ISPA has tried to produce quality research work in diversifies areas such as ozone depletion, climate variability, flood risk assessment, aerosol variability, early visibility of crescent moon and galactic astronomy. Currently we are also expanding our scope to fields like cosmology, astrophysical plasma, computational astrophysics, radio astronomy and other areas. I am pleased to mention that the most of the research is carried out with particular reference to indigenous problems. So far, ISPA has produced 10 Ph.Ds and 13 M. Phils. I am proud to communicate that University of Karachi has marveled as pioneers in Space Science studies and research in Pakistan.

Career Opportunities

Our graduates of M.Sc. in Space Science will have job opening in SUPARCO, NESCOM, National Institute of Oceanography, Civil Aviation Authority, PIA, Pakistan Meteorological Department, National Telecommunication Corporation, Pakistan Telecommunication Corporation Ltd., Sui Sothern Gas Company and Oil & Gas Development Ltd. etc.

Facilities

ISPA Observatory: The Observatory is equipped with a 6 inch Code Refractor telescope of German make with excellent photographic facilities. We have also one movable telescope.

- Computational Astronomy Lab: The computer lab is equipped with space science related software
- GIS Lab
- GPS Lab
- Digital Library
- Seminar Library

Specific Research Areas

- Geo-Space Science (Atmospheric Sciences, Upper Atmospheres, etc.)
- Computational Astronomy / Astrophysics
- Space Flight Dynamics & Aerodynamics
- Global Navigation Satellite System (GNSS)
- Satellite Communication / Space Antennas
- Remote Sensing and GIS

Faculty Members

Professors

- Dr. Muhammad Jawed Iqbal (*Director*)
- Dr. Muhammad Shahid Qureshi

Assistant Professor

- Dr. Mudassar Hassan Arsalan

Assistant Professors

- Mr. Mirza Jawwad Baig
- Dr. Naeem Sadiq

Lecturers

- Mr. Muhammad Anas Qureshi
- Mr. Syed Fayyaz Ur Rasheed
- Mr. M. Saleem Khan

Programs Available

- M.Sc. (Space Science)
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-6, Ext- 2443

Website: www.uok.edu.pk/research_institutes/ispa

Email: ispa@uok.edu.pk

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, medicine plants etc. in harmony with nature.

Career Opportunities

ISHU graduates can apply for teaching positions in public and private colleges & universities and also in research and development organizations related to plant sciences.

Facilities

ISHU has state of the art facilities for research in lab, green house and nature field conditions such as Atomic absorption spectrometer, CNS analyzer, GC-MS, HPLC, Ion Chromatograph, Gels Doc system, PCRs, Photosynthesis and water relations instruments etc.

Specific Research Areas

Major areas of study focus on Ecology, Ecophysiology, Biochemistry & Molecular Biology as well as utilization of 'Halophytes' as food, fodder, biofuel, biodiesel, edible oil, medicinal and plants for landscaping.

Faculty Members

Professor

- Dr. Bilquees Gul (*Director*)

Associate Professors

- Dr. Salman Gulzar
- Dr. Irfan Aziz

Assistant Professors

- Dr. M. Zaheer Ahmed
- Dr. Abdul Hameed

Research Officers / Coordinator

- Mr. Zainul Abideen
- Mr. Muhammad Qasim
- Mr. Tabassum Hussain
- Dr. Riazuddin Ansari

Programs Available

- M. Phil./Ph.D. in Botany (ISHU)

For Further Enquiry

Telephone: 99261317, 32044350
99261300-06 Ext- 3333

Website: www.halophyte.org

Email: halophyte@uok.edu.pk

Centre of Excellence for

Women's Studies

Introduction

Since the last 25 years the Centre of Excellence for Women's Studies (CEWS) has been offering teaching and research facilities in a friendly environment to prepare students to act as agents of change. We are the first to offer M.A. and M. Phil/Ph.D. degree programs in Pakistan along with BS 4-year and B.A. (Hons.) 3- year degree program in Women's Studies. We have an Evening Program for M.A. in Women's Studies. Women's Studies, an interdisciplinary subject, aims to make visible women's role and contribution towards building a gender-bias free society for a holistic development of the nation. We offer a variety of courses to address the issues of women and gender, both nationally and internationally. The major focus of our teaching and research is to bridge the gap between the academia and women at the grass-root level. Thus, our students move beyond the Campus and interact with women to document their every-day lived experiences.

Career Opportunities

As Women's Studies prepares students to act as agents of social change, therefore, our students are well equipped and trained to take up jobs that a person qualified in any other discipline can undertake. Majority of CEWS graduates are now hired in various positions by government and non-government agencies. As one of the requirement of our teaching is practicum, our students work as interns with various GOs/NGOs and thus gain practical training and gain experience. To help our students in their future careers, we remain engaged with the corporate sector.

Facilities

CEWS has well-qualified faculty to help and assist students in their quest for knowledge. We also invite scholars, academics and activists from various fields to share their scholarship and experiences with our students.

Our library with its holding of more than 4000 books, journals, reports on women and gender is the only library of its kind in the country. We have a collection of press-clippings on almost all aspects of women's lives. Our library is accessed not only by our students but it also caters to the academic search needs of scholars, activists and journalist who wish to avail this facility. Soon, our library would be accessible through our electronic portal.

Specific Research Areas

- Women & Work: Child Labour, Girl Child, Self-Employed Women
- Women & Entrepreneurship
- Women, Religion & Religious Traditions
- Health Concerns of Women & Gender
- Women's History
- Women & Law
- Women & Politics
- Women & Media
- Women Sports & Physical Education
- Psychology of Women
- Development Planning (nationally & globally) and Women

Faculty Members

- Prof. Dr. Nasreen Aslam Shah (*Director*)
- Dr. Shagufta Nasreen
- Dr. Asma Manzoor
- Dr. Aliyah Ali
- Ms. Seema Manzoor
- Ms. Duaa-e-Rehman
- Mr. Syed Faisal Hashmi
- Dr. Muhammad Nadeemullah

Programs Available

- B.A. (Hons.) (Morning & Evening)
- M.A. (Morning & Evening)
- M. Phil./Ph.D.

For Further Enquiry

Telephone: 99261300-06, Ext-2441
99261654 (Direct)

Website: <http://genderstudiespakistan.com/>

Email: cews@uok.edu.pk

Appendix – A

Eligibility for admission to BS, Honors & BA/LLB First Year on open merit basis

Faculty of Social Sciences:

S.#	Department	Class	No. of Seats	Required eligibility
01.	ARABIC	B.A.(H)	50	Intermediate or equivalent
02.	BENGALI	B.A.(H)	20	i) Intermediate or equivalent ii) DAE or equivalent
03.	GENERAL HISTORY	B.A.(H)	25 65 10	Intermediate with General History Intermediate with any subject DAE
<i>Note:</i> Incase of vacant seats, allocation can be interchanged.				
04.	ISLAMIC HISTORY	B.A.(H)	100	i) Intermediate Arts (with Islamic History) ii) Intermediate Arts (Preference will be given to candidates with Islamic Learning, General History or Arabic)
<i>Left-over seats will be given to Intermediate Arts, Science or Commerce.</i>				
05.	PERSIAN	B.A.(H)	40	Intermediate / DAE
06.	PHILOSOPHY	B.A.(H)	60	Intermediate (Science, Arts, Commerce), Diploma in Fine Arts or equivalent
07.	PSYCHOLOGY	B.A./B.Sc.(H)	25 18 02	Intermediate Arts/Science (with Psychology) Intermediate Arts / Science / Commerce / Home Economics / Computer Science / A-Level with (1 st division) DAE (with 1 st Division)
<i>Note:</i> Incase of vacant seats, allocation can be interchanged.				
08.	POLITICAL SCIENCE	B.A.(H)	60 10	Intermediate (with Civics) Intermediate Science or Commerce (with at least 50% Marks)

S.#	Department	Class	No. of Seats	Required eligibility
09.	SINDHI	B.A.(H)	75	Intermediate Arts / Science / Commerce (with Sindhi as a Optional or Compulsory subject)
10.	SOCIOLOGY	B.A.(H)	40	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
				<i>Note:</i> Admissions will be given according to above order of priority.
			05	Intermediate Science with at least 55% marks
			05	Intermediate Commerce with at least 55% marks
11.	SOCIAL WORK	B.A.(H)	35 05 05 05	Intermediate Arts Intermediate Science (Pre-Medical) Intermediate Science (Pre-Engineering) Intermediate Science with Computer Science
12.	URDU	B.A.(H)	80	Intermediate with Urdu Advance or Urdu Compulsory
13.	WOMEN'S STUDIES	B.A.(H)	100	Intermediate or equivalent

Faculty of Science:

01	AGRICULTURE & AGRIBUSINESS MANAGEMENT	BS	50	Intermediate Science or equivalent
02.	APPLIED CHEMISTRY & CHEMICAL TECHNOLOGY	B.Sc.(H)	96 15	Intermediate Science / A Level (with Mathematics, Physics and Chemistry) DAE (with Chemical Technology)
03.	BIOCHEMISTRY	B.Sc.(H)	65	Intermediate Science (with Chemistry and Biology)

S.#	Department	Class	No. of Seats	Required eligibility
04.	BOTANY	B.Sc.(H)	100	Intermediate Science (Biology Group)
05.	CHEMISTRY	B.Sc.(H)	120 05	Intermediate Science (with Chemistry) DAE
06.	GEOGRAPHY	B.A./B.Sc.(H)	60 30 30	Intermediate Science (Pre-Engineering) Intermediate Science (Biology Group) Intermediate Arts (with Geography)
07.	HEALTH, PHYSICAL EDUCATION & SPORTS SCIENCES	B.Sc.(H)	15 08 07	Intermediate Science (Pre-Medical) Intermediate Science (Pre-Engineering) Intermediate Arts / Commerce
08.	GEOLOGY	B.Sc.(H)	75	Intermediate Science (Pre-Engineering / Pre-Medical)
09.	MARINE SCIENCE	B.Sc.(H)	30	Intermediate Science: i) Pre-Medical ii) Pre-Engineering iii) Other Science groups with at least two subjects from the following: Chemistry, Physics, Mathematics
10.	MATHEMATICAL SCIENCES	B.A./B.Sc.(H)	200	i) Intermediate (Science / Arts) with Mathematics ii) Intermediate with Certificate in Mathematics from University of Karachi
11.	PETROLEUM TECHNOLOGY	B.Sc.(H)	30	Intermediate Science with Mathematics and any one subject from the following: (Physics, Chemistry, Statistics, Computer Science or Geology) with at least 55% marks

S.#	Department	Class	No. of Seats	Required eligibility
12.	PHYSICS	B.Sc.(H)	120 06	Intermediate Science (with Physics and Mathematics) DAE (Electronics, Mechanical, Electrical, Radio, T.V., Telecommunication, Computer Information Technology)
13.	PHYSIOLOGY	B.Sc.(H)	100	Intermediate Science (with Biology)
14.	STATISTICS	B.A./B.Sc.(H)	65 05	Intermediate (Science /Arts) with Mathematics DAE (with Mathematics)
	ACTUARIAL SCIENCE & RISK MANAGEMENT	BS	60	Intermediate Science /Arts or equivalent examination (with Mathematics) with at least 50% marks)
15.	ZOOLOGY	B.Sc.(H)	120	Intermediate Science (Biology group)
Faculty of Islamic Studies:				
01.	ISLAMIC LEARNING	B.A.(H)	100	Intermediate Arts, Science, Commerce (preference would be given to students who had optional Islamic Studies or Arabic)
02.	USOOL UDDIN	B.A.(H)	50	Intermediate or equivalent
Faculty of Law:				
01.	SCHOOL OF LAW	BA/LLB	50	Intermediate or equivalent

Appendix – B

Eligibility for admission to BS/Hons./B.E./B.Ed./BPA/BBA/Pharm-D on Entry Test basis

Admissions to BS / B.A.(Hons.) / B.Sc.(Hons.) / B.E. / B.Ed. / BPA/ BBA & Pharm-D in the following departments will be granted on pre-requisite (Intermediate or equivalent) examination after qualifying the Entry Test with minimum 50% marks in the Entry Test.

Admission forms are separately issued for open merit and Entry Test based departments. Candidates seeking admission to open merit departments should not mention the departments of **Appendices A & E** in the form for admission on entry test basis.

Faculty of Social Sciences:

S.#	Department	Class	No. of Seats	Required eligibility
01.	VISUAL STUDIES	Bachelors in Architecture / Design / Fine Arts	115	i) Intermediate or equivalent ii) Diploma from SBTE with at least 60% marks <i>Note: Admissions in Visual Studies have already been completed.</i>
02.	ECONOMICS	B.A./B.Sc.(H)	100 50	Intermediate (with Economics) / Intermediate Commerce Intermediate Science (with Physics, Mathematics or Statistics) <i>Note: Incase of vacant seats, allocation of seats for Arts or Science can be interchanged.</i>
03.	ENGLISH	B.A.(H)	50	i) 'A' Level (with English Literature) 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) <i>Note: Admissions will be given according to above order of priority.</i>
04.	INTERNATIONAL RELATIONS	B.A.(H)	35 15 05	Intermediate Arts with (Civics, General History, Economics, Sociology, Logic or Geography) Intermediate Science with 1 st Division Intermediate Commerce with 1 st Division <i>Note: Incase of vacant seats, allocation can be interchanged.</i>

S.#	Department	Class	No. of Seats	Required eligibility
05.	MASS COMMUNICATION	B.A.(H)	35	Intermediate (Arts / Science / Commerce / Home Economics) or equivalent
			02	DAE

Faculty of Science:

01.	APPLIED PHYSICS	B.Sc.(H)	40	Intermediate with (Physics and Mathematics)
02.	BIOTECHNOLOGY	B.Sc.(H)	60	Intermediate (Pre-Medical / Pre-Engineering)
03.	COMPUTER SCIENCE	BSCS BS(Computer Science)	105	Intermediate (with Mathematics) with at least 55% marks. DAE (Mechanical / Electrical / Electronic / Computer Information Technology) with at least 65% marks.
		BSSE BS(Software Engineering)	50	Intermediate (with Mathematics) with at least 55% marks. DAE (Mechanical / Electrical / Electronic / Computer Information Technology) with at least 65% marks.
04.	ENVIRONMENTAL STUDIES	B.Sc.(H)	25	Intermediate Science or equivalent
05.	FOOD SCIENCE & TECHNOLOGY	BS	26	Intermediate Science with Physics, Chemistry and Mathematics.
			06	Intermediate Science with Physics, Chemistry and Biology.
06.	MICROBIOLOGY	B.Sc.(H)	80	Intermediate Science (with Biology) with at least 60% marks.

Faculty of Engineering:

01.	CHEMICAL ENGINEERING	B.E.	40	Intermediate Science (with Mathematics Mathematics, Physics and Chemistry) with at least 60% marks.
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Faculty of Education:

S.#	Department	Class	No. of Seats	Required eligibility
01.	EDUCATION	B.A.(H)	50	Intermediate Arts, Science, Commerce and Home-Economics (Preference to be given with Education) DAE
			02	
02.	SPECIAL EDUCATION	B.A.(H)	50	Intermediate Arts, Science, Commerce
03.	TEACHER EDUCATION	B. Ed.	50	Intermediate or equivalent with at least 50% marks

Faculty of Management & Administrative Sciences:

01.	KARACHI UNIVERSITY BUSINESS SCHOOL	BBA	50	Intermediate (Arts, Science, Commerce) with at least 50% marks
02.	PUBLIC ADMINISTRATION	BPA	60	Intermediate (Arts, Science, Commerce) or equivalent DBA / DAE
			10	
03.	COMMERCE	BS	30	Intermediate (Commerce) with at least 50% marks. Intermediate (Arts / Science) with at least 50% marks.
			30	

Faculty of Pharmacy:

01.	PHARMACY	Pharm-D	200	Intermediate Science (Biology Group) with at least 60% marks.
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Appendix - C

Major and Subsidiary Subjects for BS & Honours in the Faculty of Science.

The subjects are to be selected according to the following table:

APPLIED CHEMISTRY & CHEMICAL TECH.				
	Subsidiary - I	Subsidiary - II		
	Mathematics	Physics	Biostatistics	Microbiology
			Biostatistics	Botany
			Microbiology	Physiology
			Microbiology	Botany
			Botany	Geology
			Zoology	Geology
			Geography	Geology
			Statistics	Mathematics
			Biochemistry	Zoology
			Biochemistry	Physiology
			Biochemistry	Microbiology
BIOCHEMISTRY			Subsidiary - I	Subsidiary - II
	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		
BOTANY			Subsidiary - I	Subsidiary - II
	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		
CHEMISTRY			Subsidiary - I	Subsidiary - II
	Physics	Mathematics		
	Botany	Zoology		
	Statistics	Mathematics		
	Biochemistry	Botany		
	Biostatistics	Zoology		
	Biostatistics	Geography		
	Biostatistics	Physiology		
	Biostatistics	Biochemistry		
ECONOMICS			Subsidiary - I	Subsidiary - II
			Geography	Geology
			Chemistry	Geology
			Chemistry	Microbiology
			Chemistry	Geography
			Mathematics	Statistics
			Mathematics	Geography
			Physics	Mathematics
GEOGRAPHY			Subsidiary - I	Subsidiary - II
			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
GEOLOGY			Subsidiary - I	Subsidiary - II
			Chemistry	Physics
			(Only for Pre-Engineering Group)	
			Chemistry	Geography
			Chemistry	Botany
			Chemistry	Zoology
			Botany	Zoology
			Geography	Biostatistics
			Geography	Mathematics
			Mathematics	Physics

MATHEMATICAL SCIENCES

Subsidiary - I	Subsidiary - II
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 Subsidiary-I Subsidiary - II

Botany	Chemistry
Chemistry	Zoology
Biochemistry	Botany
Biochemistry	Zoology
Biochemistry	Chemistry
Biochemistry	Physiology
Biostatistics	Chemistry
Biostatistics	Biochemistry

PHYSICS Subsidiary-I Subsidiary - II

Mathematics	Chemistry
Mathematics	Economics
Mathematics	Geography
Mathematics	Geology
Mathematics	Statistics

PHYSIOLOGY Subsidiary-I Subsidiary - II

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 Subsidiary-I Subsidiary - II

Mathematics	Statistics
Biochemistry	Physiology
Botany	Geography
Physiology	Zoology
Geography	Zoology
Microbiology	Zoology

STATISTICS Subsidiary-I Subsidiary - II

Mathematics	Physics
Mathematics	Chemistry
Mathematics	Geography
Mathematics	Psychology
Mathematics	Economics

ZOOLOGY Subsidiary-I Subsidiary - II

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

Students who select Physics or Applied Chemistry as subsidiary should have passed the Intermediate or Higher Secondary Examination with Mathematics or Statistics.

Any student who has not passed Intermediate Science with Biology is not permitted to choose any subject from the Biology group.

Only those students can take Mathematics as a subsidiary subject who had 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 Chairpersons of their major Department.

Appendix - D

Major and Subsidiary subjects for BS & Honors in the Faculties of Social Sciences and Islamic Studies

Students of Honors In the Faculties of Social Sciences and Islamic Studies can select one major and two subsidiary subjects from the following subjects:

S. #	Subject	S. #	Subject
01.	Arabic	14.	Library & Inf. Science
02.	Bengali	15.	Mass Communication
03.	Economics	16.	Mathematics
04.	Education	17.	Persian
05.	English	18.	Philosophy
06.	French*	19.	Political Science
07.	General History	20.	Psychology
08.	Geography	21.	Sindhi
09.	Int. Relations	22.	Social Work
10.	Islamic History	23.	Sociology
11.	Islamic Studies	24.	Special Education
12.	Italian*	25.	Urdu
13.	Japanese*	26.	Women Studies

* for subsidiary only

In order to select Major and Subsidiary subjects the following points should be kept In mind:

1. Students who have Economics as their Major subject are not allowed to take Arabic, Persian, Urdu, Bengali or Sindhi as subsidiary subject.
2. French, Japanese or Italian can be taken as a subsidiary subject only.
3. Students who have one language as Major subject are allowed to take another language as subsidiary.
4. Students who have Philosophy, Statistics or Geography as Major cannot take Social Works as Subsidiary. However, students with Statistics as Major should opt for Mathematics as subsidiary.
5. Students can select either Psychology or Geography as subsidiary subject but not both.
6. Students can choose only one of the following subjects: General History, Islamic History, Islamic Studies and Mathematics. However, Islamic History can be taken with Islamic Studies. Students who have Islamic studies as major will follow rules governing BA(Hons.) in Islamic Learning.
7. International Relations cannot be taken together with Political Science.
8. Students who select Mass Communication as a Major must choose the subsidiary subjects 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.

Students can choose Mathematics as subsidiary only if they had Mathematics as optional subject in HSC examination or have passed Certificate Course in Mathematics from Karachi University.

Students who select Islamic Studies as Major can take only one of the following languages: Arabic, Persian, Urdu, Sindhi, English and Bengali.

The following subjects cannot be taken simultaneously as subsidiary; 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.

Students taking Geography or Statistics as major subject will be governed by rules concerning Hons. of Science Faculty. Students may select the subject of Women Studies as a subsidiary in consultation with the Chairpersons of their major departments.

Students having Library and Information Science as major subject cannot select Arabic, Persian, Italian, French and German languages as subsidiary since these languages are offered as paper II in Bachelors second year. However, English and 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. Every student, therefore, 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/LLB/BLIS on open merit basis

Faculty of Social Sciences:

S.#	Department	Class	No. of Seats	Required eligibility
01.	ARABIC	M.A.	50	i) B.A. (with Arabic) ii) (B.A., B.Sc., B.Com. or equivalent) with Certificate in Arabic from some recognized institutions iii) *Al-Shahadat-ul-Aalia *These candidates are required to submit complete equivalence certificate issued by the University of Karachi.
02.	BENGALI	M.A.	20	B.A., B.Sc., B.Com., B.Sc. (Home- Economics) with Bengali.
03.	GENERAL HISTORY	M.A.	30 70	B.A. with General History Graduation in any discipline <i>Note:</i> In case of vacant seats, allocation can be interchanged.
04.	INTERNATIONAL RELATIONS	M.A.	40 15 05	B.A. 1 st division (with International Relations, Political Science, Economics, General History, Philosophy, Sociology, Mass Communication or Geography) B.Sc. with 1 st division B.Com. with 1 st division <i>Note:</i> In case of vacant seats, allocation can be interchanged.
05.	ISLAMIC HISTORY	M.A.	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. iv) Graduation
06.	LIBRARY & INFORMATION SCIENCE	B.L.I.S.	50 08 02*	B.A., B.Sc., B.Com., B.Sc. (Home- Economics) B.A. with Library Science (Minimum 55% marks) Reserved for candidates who have worked/are working in professional capacity in a library of a recognized institution for at least 3 years, who fulfill the following conditions: i) At least Second class graduate.

Continued...

S.#	Department	Class	No. of Seats	Required eligibility
				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 reserved 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. Details may be obtained from the Chairperson of the Department.)
07.	PAKISTAN STUDIES	M.A.	50	Graduation or equivalent
08.	PERSIAN	M.A.	30	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
09.	PHILOSOPHY	M.A.	60	B.A., B. Com., B.Sc. or equivalent
10.	POLITICAL SCIENCE	M.A.	100	B.A. (with Political Science)
	PUBLIC POLICY	M.A.	75	Graduation or equivalent
11.	PSYCHOLOGY	M.A./M.Sc.	30 23 02	B.A./B.Sc. (with Psychology) B.A./B.Sc./B.Com./B.Sc.(Home-Eco.) /BBA/ BPA/BS (Computer Science) with 1 st division MBBS/B.E. (with 1 st Division)
				Note: Incase of vacant seats, allocation can be interchanged.
12.	SINDHI	M.A.	75	Graduation (with Sindhi Optional/ Compulsory subject or studied Sindhi at Intermediate (HSC) level)
14.	SOCIAL WORK	M.A.	35 10 5	B.A. (with Social Work) B.A. (with Sociology or Psychology) B.Sc. (with Biology)

S.#	Department	Class	No. of Seats	Required eligibility
13.	SOCIOLOGY	M.A.	40	i) B.A. (1st division with Sociology) ii) B.A. (1st division with Economics, Political Science, Psychology, Education, Social Work, Statistics or General History) iii) B.A. (with 45% marks in Sociology) iv) B.A (with Economics, Political Sciences Psychology, Education, Social Work, Statistics or General History)
				<i>Note:</i> Admissions will be given according to above order of priority.
			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
15.	URDU	M.A.	70	Graduation
		M. A.(Linguistics)	25	Candidate may apply for admission after completion of M.A.(Previous) Admissions are granted by the department.
16.	WOMEN'S STUDIES	M.A.	60	Graduation or equivalent
17.	CRIMINOLOGY	M.A.	50	Graduation/LLB or equivalent degree
Faculty of Science:				
01.	APPLIED CHEMISTRY & CHEMICAL TECHNOLOGY	M.Sc.	12	B.Sc. (Industrial Technology)
02.	APPLIED PHYSICS	M.Sc.	60	i) B.Sc. with Physics and Mathematics ii) B.E.(Electrical / Electronics) iii) B.Tech.(Hons.) (Electrical/ Electronics / Telecommunication)
03.	BIOCHEMISTRY	M.Sc.	30	B.Sc. (with Biochemistry) or B.Sc. Medical Technology with Physiology and Biochemistry.
04.	BIOTECHNOLOGY	M.Sc.	50	B.Sc. / B.Sc. (Hons.) / B.Sc. (Medical Technology) with Microbiology or Biochemistry
05.	BOTANY	M.Sc.	50	B.Sc. (with Botany)

S.#	Department	Class	No. of Seats	Required eligibility
06.	COMPUTER SCIENCE	M.C.S.	70	i) BCS from Institutions affiliated with University of Karachi with minimum 2.5 CGPA ii) B.Sc. / B.A. with Mathematics and any two of the following: (Computer Science / Statistics / Physics / Chemistry / Economics) iii) B.A./B.Sc./ B.Com. and Post Graduate Diploma in Computer and Information System / Statistics / Mathematics from University of Karachi.
07.	CHEMISTRY	M.Sc.	30 70	B.Sc. with Chemistry(Pre-Engineering) B.Sc. with Chemistry (Pre-Medical / Geography / Geology)
08.	GENETICS	M.Sc.	72	i) B.Sc. with Biology subjects (Zoology, Botany, Microbiology, Biochemistry, Physiology or 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. / Pharm-D. or equivalent. iv) B.Sc.(Honours Biology Group) 2 nd Year conversion through chairperson. These students will not have to wait for one year after completion of two years B.Sc.
09.	GEOGRAPHY	M.A./M.Sc.	25 20	B.Sc. (with Geography) B.A. (with Geography)
10.	GEOLOGY	M.Sc.	15	B.Sc. (with Geology)
11.	HEALTH, PHYSICAL EDUCATION & SPORTS SCIENCES	M.Sc.	50	i) B.P.Ed.(Bachelor degree in Physical Education) ii) B.A./B.Sc.(with Physical Education as subject) iii) M.B.B.S./B.Sc. (Physiotherapy / Medical Technology/O.T./Nursing)/B.Pharm./Pharm-D) 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. vi) Graduation or equivalent

S.#	Department	Class	No. of Seats	Required eligibility
12.	INSTITUTE OF SPACE AND PLANETARY ASTROPHYSICS (Space Science)	M.Sc.	50	B.Sc.(with Physics and Mathematics)
13.	MATHEMATICAL SCIENCES	M.A./M.Sc.	200	i) B. A. / B. Sc. with Mathematics ii) B.E. / B.C.S. iii) Graduation with Diploma in Mathematics from University of Karachi
	M.Sc.(Industrial & Business Mathematics)	M.I.B.M	50	i) B. A./B. Sc./B. Tech. (H) with Mathematics. ii) B.E. / B.C.S. iii) Graduation with Diploma in Mathematics from University of Karachi
14.	MARINE SCIENCE	M.Sc.	40	B. Sc. with (Biochemistry, Botany, Chemistry Geography, Geology, Marine Science, Microbiology, Physics or Zoology)
15.	PETROLEUM TECHNOLOGY	M.Sc.	20	B.Sc. with Mathematics with at least 55% Marks.
			15	B.E. with at least 55% marks.
			05	B.Tech.(Hons.) in (Petroleum/Chemical/Mechanical) with at least 55% marks.
16.	PHYSICS	M.Sc.	50	B.Sc. (with Mathematics and Physics)
17.	PHYSIOLOGY	M.Sc.	35	i) Microbiology ii) Biochemistry iii) Zoology iv) Botany v) Chemistry (B.Sc. Pass) Biology Group with at least 60 % marks M.B.B.S / D.V.M / B.Sc. Physiotherapy
18.	STATISTICS	M.A./M.Sc.	50	B.A./B.Sc. (with Mathematics and Statistics)
			10	Graduation with PGD in Statistics.
19.	ZOOLOGY	M.Sc.	120	B.Sc. (with Zoology)

Faculty of Education:

S.#	Department	Class	No. of Seats	Required eligibility
01.	SPECIAL EDUCATION	M.A.	45	i) B.A. with Psychology, Education, Sociology or Social Work.
			20	ii) Graduation Special School nominations (Govt. and Non-Govt.)

Faculty of Islamic Studies:

01.	ISLAMIC LEARNING	M.A.	50	B.A., B.Sc., B.Com. (Preference will be given to candidates with optional Islamic Studies in B.A.)
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02.	QURAN-O-SUNNAH	M.A.	50	i) B.A./ B.Sc. / B.Com . ii) *Al-Shahadat-ul-Aalia (from HEC recognized Board)
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*These candidates are required to submit complete equivalence certificate issued by the University of Karachi.

03.	USOOL-UD-DIN	M.A.	50	i) B.A./ B.Sc. / B.Com . ii)*Al-Shahadat-ul-Aalia (from HEC recognized Board)
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* These candidates are required to submit complete equivalence certificate issued by the University of Karachi.

Faculty of Law:

01.	SCHOOL OF LAW	LLB	50	Graduation or equivalent
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Appendix – F

Eligibility for admission to M.A./M.Sc./M.Com./MPA/MBA on Entry Test basis

Admissions to Masters Programs in the following departments will be granted on pre-requisite (Graduation or equivalent) examination after qualifying the Entry Test with minimum 50 % marks in the Entry Test.

Admission forms are separately issued for open merit and Entry Test based departments. Candidates seeking admission to open merit departments should not mention departments of **Appendices A & E** in the form for admission on entry test basis.

Faculty of Social Sciences:

S.#	Department	Class	No. of Seats	Required eligibility
01.	ENGLISH	M.A.	40	i) Graduation (with at least 45% marks in Elective English) ii) Graduation (with at least 55% marks in Compulsory English)
	Note:			i) Admissions will be given according to above order of priority. ii) Candidates with Functional English are not eligible for admission.
02.	ECONOMICS	M.A./M.Sc.	100 75	B.A., B.Com., B.Sc. (with Economics) B.Sc.(with Mathematics, Physics or Statistics).
				Note: In case of vacant seats, allocation of seats can be interchanged.
03.	MASS COMMUNICATION	M.A.	35	Graduation or equivalent

Faculty of Science:

01.	ENVIRONMENTAL STUDIES	M. Sc.	25	B.Sc./ B.Pharm./ Pharm-D /B.E./MBBS/ B.Sc. (Nursing) or any relevant degree
02.	MICROBIOLOGY	M. Sc.	45	B.Sc. (with Microbiology) with at least 50% marks.
			03	i) Bachelor of Veterinary Science with at least 50% marks. ii) Bachelor of Veterinary Medicine with at least 50% marks. iii) B.Sc. Medical Technology with Microbiology with at least 50% marks.

Faculty of Education:

S.#	Department	Class	No. of Seats	Required eligibility
01.	EDUCATION	M.A.	35 15 04	B.A. with Education B.A., B.Sc., B. Com., B.Sc.(Home-Econ.) (Preference to be given with Education) B.Ed.
02.	TEACHER EDUCATION	B.Ed.(3 rd Year)	20	Graduates of ADE (2 years Associate Degree in Education)

Faculty of Management & Administrative Sciences:

01.	BUSINESS ADMINISTRATION	MBA	50	Graduation with at least 50% marks
02.	PUBLIC ADMINISTRATION	MPA	50	Graduation
03.	COMMERCE	M.Com.	120	B.Com. with at least 50% marks

Appendix – G

Evening Program

Evening Program admissions will be announced separately in December 2014 for Bachelors(BS,B.A./B.Sc.(H) /Certificate programs and in May 2015 for Masters/Diploma programs. However, the process of admission in the evening program of Pharm-D, Computer Science (BS/BSSE/MCS) and Business Administration (MBA) is announced with the morning program of these Departments. The brochure of the Evening Program contains 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

1. Mass Communications
2. Persian
3. Mathematics
4. Petroleum Technology
5. Urdu

DIPLOMA PROGRAMS

1. Audiology and Speech Pathology
2. Contemporary Arabic
3. Computer Science
4. Criminology
5. Economics and Finance
6. Environmental Sciences
7. Functional Arabic
8. International Relations
9. Local Government (DLG)
10. Mathematics
11. Petroleum Technology
12. Public Administration (PGDPA)
13. Public Admin. & Public Policy Analysis (PGDPA&PPA)
14. Human Resource Management
15. Quranic Arabic
16. Speech & Language Pathology

BACHELOR'S PROGRAMS

1. Agriculture & Agribusiness Management
2. Actuarial Science and Risk Management
3. Audiology and Speech Pathology
4. Applied Chemistry & Chemical Technology
5. Applied Physics
6. BS Commerce
7. B.B.A
8. Biotechnology
9. Biochemistry
10. Botany
11. Chemistry
12. Computer Science (BSCS/BSSE)
13. Economics
14. English
15. Education
16. Environmental Studies
17. Food Science & Technology
18. General History
19. International Relations
20. Mass Communication
21. Microbiology
22. Mathematical Sciences
23. Physics
24. Pharmacy (Pharm-D)
25. Physiology
26. Psychology
27. Public Administration (BPA)
28. Sociology

29. Special Education
30. Statistics
31. Urdu
32. Women's Studies
33. Zoology

MASTER'S PROGRAMS

1. Agriculture and Agribusiness Management
2. Administrative Sciences (MAS)
3. Applied Physics (with specialization in Electronics)
4. Applied Mathematics
5. Applied Statistics
6. Audiology and Speech Pathology
7. B.Ed. in Special Education
8. Education
9. Biochemistry
10. Botany
11. Business Administration
12. Chemistry
13. Commerce M.Com. (General / Insurance)
14. Computer Science
15. Criminological Sciences
16. Criminology
17. Economics
18. Economics & Finance
19. English
20. English (Literature / Linguistic)
21. Environmental Sciences
22. Health, Physical Education & Sports Sciences
23. Industrial & Business Mathematics (M.I.B.M)
24. International Relations
25. Islamic Learning
26. Space Science
27. M. Pharm. (Pharmaceutics/Pharmacology/Pharmacognosy)
28. Mass Communications
29. Microbiology
30. MIBM
31. Petroleum Technology
32. Physics (with specialization in Electronics & Communications)
33. Physiology
34. Population Sciences
35. Public Administration-MPA
36. Public Policy
37. Quran-o-Sunnah
38. Sociology
39. Transport Management
40. Zoology

Appendix -H

Closing percentage by category and eligibility for BS, B.A./B.Sc.(Hons.) Open Merit Admissions-2014

(These percentages are only for guidance and not applicable for admissions-2015)

S. No.	NAME OF THE DEPARTMENT	DEPTT. CODE	CATEGORY		
			"K"	"S"	"P"
1.	ACTUARIAL SCIENCE & RISK MANAGEMENT	ASR	73.36	--	--
2.	AGRICULTURE & AGRIBUSINESS MANAGEMENT	AGR	67.00	--	--
3.	APPLIED CHEMISTRY & CHEMICAL TECHNOLOGY	ACH	75.00	--	--
4.	APPLIED CHEMISTRY (DAE)	ACH	67.03	--	70.94
5.	ARABIC	ARB	45.09	52.36	51.36
6.	BENGALI	BEN	68.25	--	--
7.	BIOCHEMISTRY	BCH	76.36	--	--
8.	BOTANY	BOT	65.45	--	--
9.	CHEMISTRY	CHM	73.00	--	--
10.	CHEMISTRY (DAE)	CHM	68.51	--	--
11.	GENERAL HISTORY (DAE)	GHS	61.87	--	--
12.	GENERAL HISTORY (MERIT)	GHS	56.82	--	--
13.	GENERAL HISTORY (with GHS)	GHS	46.55	--	--
14.	GEOGRAPHY (Pre-Medical Group)	GGR	62.64	--	--
15.	GEOGRAPHY (with GGR)	GGR	49.00	70.00	48.64
16.	GEOGRAPHY (Pre-Engineering Group)	GGR	62.36	--	--
17.	GEOLOGY	GEO	71.82	--	--
18.	HEALTH, PHYSICAL EDUCATION & SPORTS SCIENCES (ARTS/COM)	HPE	64.82	--	--
19.	HEALTH, PHYSICAL EDUCATION & SPORTS SCIENCES (Pre-Eng.)	HPE	64.00	--	--
20.	HEALTH, PHYSICAL EDUCATION & SPORTS SCIENCES (Pre-Med.)	HPE	66.82	--	--
21.	ISLAMIC HISTORY (MERIT)	IHS	45.73	--	--
22.	ISLAMIC HISTORY (with Islamic History)	IHS	45.00	--	--
23.	ISLAMIC LEARNING (MERIT)	ISL	48.45	--	--
24.	ISLAMIC LEARNING (with Islamic Learning)	ISL	45.09	--	--
25.	MARINE SCIENCE	MRS	71.64	--	--
26.	MATHEMATICAL SCIENCES	MAT	67.14	--	--
27.	PERSIAN	PER	45.64	61.45	45.45
28.	PETROLEUM TECHNOLOGY	PET	82.45	--	--
29.	PHILOSOPHY	PHI	53.27	--	--
30.	PHYSICS	PHY	66.09	--	--
31.	PHYSICS (DAE)	PHY	67.97	--	--
32.	PHYSIOLOGY	PHZ	72.18	--	--
33.	POLITICAL SCIENCE (Science / Commerce)	POL	71.82	--	--
34.	POLITICAL SCIENCE (with Civic)	POL	47.00	--	--
35.	PSYCHOLOGY (DAE)	PSY	71.21	--	--

S. No.	NAME OF THE DEPARTMENT	DEPTT. CODE	CATEGORY		
			"K"	"S"	"P"
36.	PSYCHOLOGY (MERIT)	PSY	77.36	--	--
37.	PSYCHOLOGY (with Psychology)	PSY	55.27	--	--
38.	SINDHI	SND	45.55	49.45	--
39.	SOCIAL WORK (Arts)	SWK	46.18	--	--
40.	SOCIAL WORK (Computer Science)	SWK	48.00	--	--
41.	SOCIAL WORK (Pre-Engineering)	SWK	63.45	--	--
42.	SOCIAL WORK (Pre-Medical)	SWK	61.64	--	--
43.	SOCIOLOGY	SCL	48.82	--	--
44.	SOCIOLOGY (Commerce)	SCL	68.36	--	--
45.	SOCIOLOGY (Science)	SCL	68.18	--	--
46.	STATISTICS (with Mathematics)	STA	65.27	--	--
47.	STATISTICS (DAE with Mathematics)	STA	67.64	--	--
48.	URDU	URD	45.00	57.45	56.82
49.	USOOL-UD-DIN	USD	45.64	56.36	45.18
50.	WOMEN'S STUDIES	WST	45.09	63.27	48.36
51.	ZOOLOGY	ZOO	68.73	--	--

Appendix -I

Closing percentage by category and eligibility for Masters Open Merit Admissions-2014
(These percentages are only for guidance and not applicable for admissions-2015)

S. No.	NAME OF THE DEPARTMENT	DEPTT. CODE	CATEGORY		
			"K"	"S"	"P"
1.	APPLIED PHYSICS	APH	55.25	58.97	63.64
2.	ARABIC	ARB	78.60	--	58.00
3.	BIOCHEMISTRY	BCH	49.38	80.00	60.06
4.	BIOTECHNOLOGY	BTH	55.13	--	61.00
5.	BOTANY	BOT	45.31	51.10	50.06
6.	CHEMISTRY (Pre-Engineering)	CHM	49.06	--	--
7.	CHEMISTRY (Pre-Medical / GEO / GGR)	CHM	64.88	--	--
8.	GENERAL HISTORY (Merit)	GHS	46.73	46.56	49.40
9.	GENERAL HISTORY (with GHS)	GHS	46.40	--	--
10.	GENETICS	GEN	45.94	57.38	48.91
11.	GEOGRAPHY (Arts)	GGR	56.70	--	51.10
12.	GEOGRAPHY (Science)	GGR	--	62.11	55.25
13.	GEOLOGY	GEO	60.50	--	49.38
14.	HEALTH, PHYSICAL EDUCATION & SPORTS SCIENCES	HPE	48.00	54.83	50.38
15.	INSTITUTE OF SPACE PLANETARY ASTROPHYSICS	ISP	49.94	--	49.50
16.	ISLAMIC HISTORY (with IHS)	IHS	45.90	57.70	51.70
17.	ISLAMIC HISTORY (with ISL, ICL, GHS or ARB)	IHS	45.91	--	54.00
18.	ISLAMIC LEARNING (Merit)	ISL	47.73	48.27	--
19.	ISLAMIC LEARNING (with ISL)	ISL	48.10	--	50.13
20.	INTERNATIONAL RELATIONS (COMMERCE)	IRL	60.27	--	60.00
21.	INTERNATIONAL RELATIONS (SCIENCE)	IRL	60.25	61.81	60.73
22.	INTERNATIONAL RELATIONS (with IRL, POL, GHS, ECO, SCL, MCD, PHI or GGR)	IRL	60.00	61.36	--
23.	LIBRARY & INFORMATION SCIENCES	LSC	48.00	--	--
24.	LIBRARY & INFORMATION SCIENCES (with Library Science=>55% marks)	LSC	47.60	54.36	45.00
25.	MATHEMATICAL SCIENCES	MAT	47.81	50.56	48.38
26.	PAKISTAN STUDIES	PKS	45.40	46.50	45.00
27.	PERSIAN	PER	54.40	--	--
28.	PETROLEUM TECHNOLOGY (B.E.)	PET	--	--	74.00
29.	PETROLEUM TECHNOLOGY (B.Tech.)	PET	--	--	74.00
30.	PETROLEUM TECHNOLOGY (Pre-Engineering)	PET	58.06	57.31	62.44
31.	PHILOSOPHY	PHI	45.00	57.61	50.90
32.	PHYSICS	PHY	46.06	63.90	49.25

S. No.	NAME OF THE DEPARTMENT	DEPTT. CODE	CATEGORY		
			"K"	"S"	"P"
33.	PHYSIOLOGY	PHZ	60.19	--	--
34.	POLITICAL SCIENCE	POL	46.60	48.90	47.00
35.	PSYCHOLOGY (Merit)	PSY	60.10	61.36	63.82
36.	PSYCHOLOGY (with PSY)	PSY	50.70	--	--
37.	OUR'AN AND SUNNAH	QES	53.60	56.52	51.82
38.	SINDHI	SND	49.68	--	--
39.	SOCIAL WORK (with Biology)	SWK	48.75	--	60.73
40.	SOCIAL WORK (with SCL or PSY)	SWK	46.10	--	46.50
41.	SOCIAL WORK (with SWK)	SWK	50.60	--	54.50
42.	SOCIOLOGY (Commerce)	SCL	57.55	--	--
43.	SOCIOLOGY (Home Economics)	SCL	--	--	61.74
44.	SOCIOLOGY (Science)	SCL	51.75	57.56	53.13
45.	SOCIOLOGY (Arts)	SCL	51.00	--	--
46.	SPECIAL EDUCATION (with PSY, EDU, SWK or SCL)	SPE	46.50	--	46.18
47.	SPECIAL EDUCATION (MERIT)	SPE	52.10	50.54	--
48.	STATISTICS (with Arts / Science)	STA	48.86	50.10	51.09
49.	STATISTICS (with PGD)	STA	52.64	52.23	--
50.	URDU	URD	45.40	52.28	47.00
51.	USOOL-UD-DIN	USD	46.80	--	60.67
52.	WOMEN'S STUDIES	WST	48.27	--	45.38
53.	ZOOLOGY	ZOO	50.69	51.17	47.22

Appendix –J

Closing percentage by category and eligibility for Test Based Admissions-2014
(These percentages are only for guidance and not applicable for admissions-2015)

Bachelors Programs (Test Based):

BS / HONS. / B.E / B.ED. / BBA / BPA						
S. No.	NAME OF THE DEPARTMENT	MIN. TEST SCORE	DEPTT. CODE	CATEGORY		
				"K"	"S"	"P"
1.	APPLIED PHYSICS	50	APH	74.27	--	--
2.	BIOTECHNOLOGY	50	BTH	74.09	--	--
3.	KARACHI UNIVERSTIY BUSINESS SCHOOL (BBA)	50	BBA	76.18	--	--
4.	CHEMICAL ENGINEERING (B.E.)	50	CHT	79.45	--	--
5.	COMMERCE (BS) (ARTS / SCIENCE)	50	COM	69.09	--	--
6.	COMMERCE (Bs) (WITH COMMERCE)	50	COM	70.45	--	--
7.	COMPUTER SCIENCE (BS)	50	BCS	75.82	--	--
8.	ECONOMICS (ART/ COMMERCE)	50	ECO	50.55	61.18	46.64
9.	ECONOMICS (SCIENCE)	50	ECO	49.09	--	--
10.	EDUCATION (MERIT)	45	EDU	50.00	--	--
11.	EDUCATION (with EDUCATION)	45	EDU	54.45	--	--
12.	EDUCATION (DAE)	45	EDU	69.90	--	--
13.	ENGLISH ('A' level with A, B, C Grade / ('A' level with Literature)	50	ENG	50.18	--	--
	ENGLISH (Elective/Advance English with >=50% marks)					
14.	ENGLISH (Compulsory English with >=60 % marks)	50	ENG	70.00		
15.	ENVIRONMENTAL STUDIES	50	ENV	71.45	--	--
16.	FOOD SCIENCE & TECHNOLOGY (BS) (PRE-ENGINEERING)	50	FST	75.64	--	--
17.	FOOD SCIENCE & TECHNOLOGY (BS) (PRE-MEDICAL)	50	FST	82.00	--	--
18.	INTERNATIONAL RELATIONS (COMMERCE)	40	IRL	71.00	--	--
19.	INTERNATIONAL RELATIONS (SCIENCE)	40	IRL	73.18	--	--
20.	INTERNATIONAL RELATIONS (Arts with CIV, GHS, ECO, SCL, LOG or GGR)	40	IRL	46.73	--	--
21.	MASS COMMUNICATION	50	MCD	73.91	--	--
22.	MASS COMMUNICATION (DAE)	50	MCD	66.21	--	--
23.	MICROBIOLOGY	50	MBI	71.91	--	--
24.	PUBLIC ADMINISTRATION (BPA)	50	BPA	72.45	--	--
25.	PUBLIC ADMINISTRATION (DBA/DAE)	50	BPA	73.17	--	--
26.	SPECIAL EDUCATION	35	SPE	48.00	63.36	52.36
27.	TEACHER EDUCATION (B.ED.)	45	BED	50.50	57.45	57.45
28.	PHARM-D (MORNING)	60	PHM	63.73	71.45	69.45
29.	PHARM-D (EVENING)	50	PHE	75.36	--	--

Masters Programs (Test Based):

M.A. / M.Sc. / M.COM / MBA / MPA						
S. No.	NAME OF THE DEPARTMENT	MIN. TEST SCORE	DEPTT. CODE	CATEGORY		
				"K"	"S"	"P"
1.	KARACHI UNIVERSTIY BUSINESS SCHOOL (MBA)	50	MBA	63.70	--	--
2.	COMMERCE	45	COM	57.27	--	--
3.	ECONOMICS (ART / COMMERCE)	40	ECO	53.73	--	--
4.	ECONOMICS (SCIENCE)	40	ECO	45.09	56.27	46.90
5.	EDUCATION (B.ED.)	35	EDU	--	--	58.73
6.	EDUCATION (MERIT)	35	EDU	52.82	--	--
7.	EDUCATION (WITH EDU)	35	EDU	50.00	--	--
8.	ENGLISH (Elective with >=45% marks)	45	ENG	49.30	--	55.20
9.	ENGLISH (Compulsory with >=55% marks)	45	ENG	51.00	70.46	57.00
10.	ENVIRONMENTAL STUDIES	20	ENV	49.38	52.69	49.82
11.	MASS COMMUNICATION	50	MCD	48.50	58.55	53.00
12.	MICROBIOLOGY	35	MBI	50.19	--	53.63
13.	PUBLIC ADMINISTRATION (MPA)	50	MPA	56.27	--	--

Appendix-K

Admission Fee (First Semester 2015)

Admission and Tuition fees for the new entrants are as follows (Fee once deposited is non-refundable)

DEPARTMENT	BS / HONS.	MASTERS
FACULTY OF SOCIAL SCIENCES		
Arabic / Bengali / Economics / English / General History / International Relations / Islamic History / Library & Information Science / Mass Communication / Pakistan Studies / Persian / Philosophy / Political Science / Public Policy / Psychology / Sindhi / Social Work / Sociology / Urdu / Women Studies	Rs. 5200	Rs. 5200
Criminology	xxxx	15000
Visual Studies	22000	xxxx
FACULTY OF EDUCATION		
Education / Special Education / Teacher Education	5200	5200
FACULTY OF ENGINEERING		
Chemical Engineering	15000	xxx
FACULTY OF ISLAMIC STUDIES		
Islamic Learning / Usooluddin / Quran & Sunnah	5200	5200
FACULTY OF LAW		
School of Law	27600	32600
FACULTY OF PHARMACY		
Pharm-D (Morning Program)	12000	xxxx
Pharm-D (Evening Program)	42000	xxxx
FACULTY OF MANAGEMENT & ADMINISTRATIVE SCIENCES		
Karachi University Business School	34000	34000
Commerce	10000	10000
Public Administration	15000	15000
FACULTY OF SCIENCE		
Applied Chemistry & Chemical Technology / Applied Physics / Biochemistry / Biotechnology / Botany / Chemistry / Food Science & Technology / Genetics / Geography / Geology / Health, Physical Education & Sports Sciences / Institute of Space & Planetary Astrophysics(ISPA) / Mathematical Sciences / Marine Science / Microbiology / Physics / Physiology / Statistics / Zoology	6000	6000
Agriculture and Agribusiness Management	20000	xxxx
Actuarial Science and Risk Management	17000	xxxx
Computer Science	22000	20000
Environmental Studies	17000	17000
Petroleum Technology	32000	18000

Appendix -L

Reserved Seats for Sindh, Balochistan, FATA, Northern Areas, AJK and Armed Forces

S. No	Department	Sindh		Balochistan		Armed Forces	FATA/ Northern Area / AJK	
		BS (Hons)	Masters	BS (Hons)	Masters	BS (Hons)/ Masters	BS (Hons)	Masters
1	Actuarial Science & Risk Mang.	3	x	2	x	x	x	x
2	Agriculture & Agribusiness Mang	2	x	2	x	x	x	x
3	Applied Chemistry& Ch. Tech.	2	x	2	x	1	x	x
4	Applied Physics	2	2	x	x	1	x	x
5	Arabic	x	x	x	x	1	x	x
6	Biochemistry	x	x	x	x	1	x	x
7	Biotechnology	2	4	x	x	x	x	x
8	Botany	x	x	x	x	x	1	2
9	Business Administration	2	2	x	x	2 (MBA)	x	x
10	Chemical Engineering	1	x	x	x	x	x	x
11	Chemistry	x	x	x	x	1	x	x
12	Economics	x	x	x	x	2	x	2
13	English	x	x	x	x	1	x	x
14	Food Science & Technology	2	x	x	x	x	x	x
15	General History	x	x	x	x	1	x	x
16	Genetics	x	3	x	3	1	x	x
17	Geography	x	x	x	x	x	x	2
18	Geology	x	x	x	x	3	x	x
19	International Relations	x	x	x	x	2	x	x
20	Islamic History	x	x	x	x	1	x	x
21	Islamic Learning	x	x	x	x	1	x	x
22	Library & Information Science	x	x	x	x	1	x	x
23	Commerce	x	x	x	x	1 (M.Com)	x	x
24	Mathematical Sciences	x	x	x	x	1	x	2
25	Microbiology	x	x	x	x	1	x	x
26	Persian	x	x	x	x	1	x	x
27	Petroleum Technology	x	3	x	3	x	x	x
28	Pharmacy (Pharm-D)	3	x	x	x	2	2 (AJK)	x
29	Philosophy	x	x	x	x	1	x	x
30	Physics	x	x	x	x	1	x	2
31	Physiology	3	2	3	3	1	x	x
32	Political Science	x	x	x	x	1	x	2
33	Psychology	x	x	x	x	1	x	2
34	Social Work	x	x	x	x	1	x	x
35	Sociology	x	x	x	x	1	x	x
36	Special Education	3	4	3	3	x	x	x
37	Statistics	x	x	3	3	x	x	x
38	Urdu	x	x	x	x	1	x	x
39	Zoology	x	x	x	x	1	x	x

(Note: Admissions are granted as per nominations from relevant ministries / GHQ)

Academic Calendar 2015

FIRST SEMESTER 2015

<i>Orientation Day</i>	<i>January 15, 2015</i>
<i>Teaching</i>	<i>January 16, 2015 to April 30, 2015</i>
<i>Semester Examinations</i>	<i>May 4, 2015 to May 20, 2015</i>
<i>Semester Break</i>	<i>May 21, 2015 to July 14, 2015</i>

SECOND SEMESTER 2015

<i>Teaching</i>	<i>July 15, 2015 to November 13, 2015</i>
<i>Semester Examinations</i>	<i>November 16, 2015 to December 02, 2015</i>
<i>Semester Break</i>	<i>December 03, 2015 to December 31, 2015</i>

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 sighting of moon.