

Autumn 2018

AIOU

Prospectus

MS

MPhil

PhD



Allama Iqbal Open University, Islamabad

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PROSPECTUS

MS/MPhil/PhD Programmes

SEMESTER: AUTUMN 2018



Allama Iqbal Open University, Islamabad

Price: Rs.500/-

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Vice Chancellor's Message

Dear Student,



It gives me great pleasure to extend my heartiest welcome to you to be a student of Allama Iqbal Open University, Islamabad.

Allama Iqbal Open University was established in 1974 under an Act of Parliament with a mission of taking education to the door steps of people in all nooks and corners of the country. It was the second open university of the world and the first of its kind in Asia and Africa. AIOU is a unique institution in Pakistan because of its philosophy, system, approach, functions and overall Structure. The University, with its main campus at Islamabad and huge network of regional centers spread all over the country, is serving its clientele all over Pakistan and in the Middle East. The university is planning to launch its programmes all over the world very soon. As a distance Education institution, AIOU provides multi-disciplinary education from basic to doctoral level programmes.

Allama Iqbal Open University provides quality education at the doorsteps of the students irrespective of geographical area, class, gender or creed with an affordable cost. It does not require leaving jobs or countries of residence. AIOU is equipped with modern communication technology to facilitate and support its students all over the world.

Allama Iqbal Open University is now the largest University in the country with more than 1200 courses and about 1.2 millions students. AIOU also supplements the efforts of the federal and provincial governments on a large scale without becoming a burden to their resources.

The university has established study centers across the country, where students are provided necessary guidance. A science complex has been built where science students use the latest equipment of international standard for experiments and research. AIOU also takes full advantage of the modern ICTs to enhance quality and access to education. Internet facility is available in the student's hostel and the Central Library where computers have been provided to enable students to access latest information available through open source databases. AIOU also provides educational facilities to its vast number of students through Television, Radio, Video Conferencing and Online in addition to providing printed learning materials. The university follows the guidelines of the Higher Education Commission to provide accredited education to masses.

I wish a very bright future for all of you and hope you would prefer AIOU for your future education and career development.

(Prof. Dr. Shahid Siddiqui)
Vice Chancellor

2. ALLAMA IQBAL OPEN UNIVERSITY

Allama Iqbal Open University, a Mega university was established in 1974 under an Act of Parliament. The main campus of the university is situated in sector H-8, Islamabad. It was the second open university of the world and the first of its kind in Asia and Africa. The aim of establishing AIOU was to provide affordable and accessible education through distance learning at the door-steps to those people who could not continue their education journey through formal system of education. The University (AIOU) operates on semester system and admits students in Autumn and Spring semesters. Under graduate admissions are offered in both the semesters where-as post graduates are offered once a year. The enrolled students are given course books specially prepared by the university on self instructional principles. However at post graduate level reprints of foreign books, allied material with university prepared study guides help students to polish their skills.

At present, the AIOU is offering programmes from Matric to PhD level in diverse disciplines comprises of four faculties. The university has established study centres across the country, where distance education students are

provided necessary guidance by their respective tutors. Moreover, the university has established full time study centres, wherein the students of MCom, MBA (IT), MBA (Banking and Finance), BS (CS), etc. are being provided instruction, guidance and counselling through face-to-face education. AIOU is offering four year under graduate degrees.

Apart from curricular and extra-curricular activities during the academic year, the AIOU and its regional centres actively participate in the co-curricular activities by arranging educational and literary seminars, workshops and conferences, attended not only by the students and faculties of the university but also by the renowned dignitaries and scholars. For the science students and research scholars, a science complex has been built where they use the latest equipment of international standard for experiments and research. To meet the present day challenges internet facility is also available in the student's hostel and the Central Library where computers have been provided to enable students to access latest information available through open source databases.

FACULTY OF ARABIC AND ISLAMIC STUDIES

INTRODUCTION:

The Faculty of Arabic & Islamic Studies started its functions initially as Institute of Arabic and Islamic Studies comprising of departments of Arabic and Islamic studies. Later on the Institute of Arabic and Islamic Studies was upgraded to the level of the full fledged faculty in 1999 as required by AIOU Act 1974.

OBJECTIVES OF THE FACULTY

The Faculty was established:

1. To teach Islamic Studies from Matric to PhD levels as per contemporary requirements.
2. To teach Arabic language and literature from Matric to PhD levels as per contemporary needs.
3. To conduct advance research on the different aspects of Islamic Studies, Islamic Culture, Arabic Language, Literature and Civilization.
4. To protect Islamic Heritage with the help of modern research tools and techniques.
5. To play leading role in the interpretation of Islamic Teachings, according to the needs of contemporary Pakistani society.
6. To reconstruct Islamic Thought and defending Islam and Islamic identity of Pakistan at national and international forums.
7. To prepare Scholars of Islamic Studies who have the grasp on the different issues of the Islamic Studies in general and command over the different areas of specialization such as Quran, Tafseer, Hadith, Shariah & Law, Islamic thought,

History, Culture, Civilization and Muslim languages particularly Arabic language.

8. To establish a cadre of specialists and professionals experts in different fields of Islamic Studies who can provide effective leadership in guiding and conducting quality research in the various disciplines of Islamic and Arabic Studies.
9. To provide opportunity of professional growth and development to the scholars of Islamic studies in general and in service personals in particular.
10. To develop linkage between different highly reputed institutions of Islamic learning in general and institutions of muslim world in particular.
11. To create interfaith harmony and environment of dialogue between Islamic and other civilizations.

PROSPECTS OF THE FACULTY

1. Faculty is providing education of Arabic & Islamic Studies to the large number of students.
2. The faculty has prepared a number of quality books on the different fields of Islamic Studies.
3. The faculty is able to produce high quality research work at M.Phil and PhD levels with different specializations.
4. The faculty is regularly publishing its referred quality research journal Maarf-e-Islami.
5. Some of the programmes of the Faculty are unique and not offered in any other Institution of Pakistan except AIOU such as ATTC, B.Ed Arabic, M.A, & M.Phil Islamic Studies with specializations.
6. M.Phil Islamic Studies is a leading programme of the faculty and it has gained good repute in scholarly circles of Pakistan.

**PROGRAMMES OFFERED BY THE
FACULTY OF ARABIC & ISLAMIC STUDIES**

LIST OF THE PROGRAMMES

1. PhD Islamic Studies (General)
2. PhD Islamic Studies (with specialization in Quran & Tafseer)
3. MPhil Islamic Studies (General)
4. MPhil Islamic Studies (with specialization in Quran & Tafseer)
5. MPhil (Arabic Language and Literature)
6. MA Islamic Studies (General)
7. MA Islamic Studies with specialization in
 - i. Quran & Tafseer
 - ii. Hadith & Seerah
 - iii. Islamic Law & Jurisprudence
8. MA (Arabic Language and Literature)
9. Darse-e-Nizami Programme (Matric to BA)
 - Al Shahada al-Sanavia al-Aama
 - Al Shahada al-Sanavia al-Khasa
 - Al Shahada al-Aliya
10. Arabic Teachers Training Course (ATTC)
11. Al-Lisan-ul-Arabi
12. Various Courses of Islamic Studies from SSC to BA
13. Various Courses of Arabic from SSC to BA
14. BS Islamic Studies (to be offered in 2019)

**DEPARTMENTS OF THE FACULTY OF
ARABIC AND ISLAMIC STUDIES**

The faculty of Arabic and Islamic Studies is divided into following academic departments:

1. Department of Quran and Tafseer
2. Department of Hadith and Hadith Sciences
3. Department of Islamic Thought, History and Culture
4. Department of Shari'ah
5. Department of Arabic Language and Literature
6. Department of Comparative Religions
7. Department of Seerah Studies (newly established)
8. Department of Interfaith Studies (newly established)
9. Department of Islamic Economics (newly established)

The detailed Introduction of the each department of the faculty is as under:

1. DEPARTMENT OF QURAN AND TAFSEER

The Department of Quran and Tafseer was established in 1999 in the Faculty of Arabic and Islamic Studies to meet educational needs of masses at various levels ranging from Matric to PhD focusing on research based programmes in the field of Quran and Tafseer. The Department started functioning with the appointment of Dr. Abdul Hameed Khan Abbasi as Assistant Professor from 10 February 2001. From then, the Department is

presenting many valuable course books and producing scholars in the field of Islamic studies with specialization in Quran and Tafseer. At present, the Department has started M.Phil & PhD programmes from autumn 2013 and is producing & selecting valuable books and allied material for these research programmes.

FACULTY MEMBERS

Sr. No	Name of The Faculty Member	Designation	Qualification
1.	Prof. Dr. Abdul Hameed Khan Abassi	Professor/Chairman	Post-Doc, Malaysia Ph.D Islamic Studies (Punjab) M.Phil Islamic Studies MA Usooludin (M.Phil Islamic Studies), IIU BA (Hons), Usooludin,, IIU, Islamabad
2.	Dr. Sana Ullah Hussain	Associate Professor	Ph.D Islamic Studies M.Phil Islamic Studies, AIOU, Islamabad M.A (Usooludin), IIUI, BA Honors Usooludin (MA Islamic Studies), IIU, Islamabad
3.	Dr. Hafiz Arshad Iqbal	Assistant Professor	Ph.D Islamic Studies (AIOU) M.Phil Islamic Studies (AIOU)
4.	Mr. Zafar Iqbal	Lecturer	Scholar, Ph.D Islamic Studies, M.Phil Islamic Studies

VISION

To built Islamic Ummah streamlined with the message of Qur’an by presenting Qur’anic Sciences according to the teachings and vision of the holy Prophet Muhammad (SAW).

OBJECTIVES

1. To teach Quran & its sciences.
2. To play active role in correct interpretation of Quran and its Sciences for the needs of society.
3. To prepare research scholars, equipped with all branches of Quranic Studies.
4. To develop linkage among different highly reputed national and International institutions of Quran and Tafseer.
5. To conduct advance research on different aspects of Quranic Sciences.
6. To prepare quality Text Books and Study Guides in the field of Quran and Tafseer from Matric to PhD level.

2. DEPARTMENT OF HADITH & HADITH SCIENCES

This department was established to provide advance studies and research in the field of Hadith and Seerah. PhD Islamic Studies programme is also offered by this department. The department is also offering courses of Hadith & Seerah specialization in MA Islamic Studies. A number of valuable books related to Hadith and Seerah have been prepared in the department.

FACULTY MEMBERS

Sr. #	Name of Faculty Member	Designation	Qualification
1	Prof. Dr. Ali Asghar Chishti	Professor/ Chairman	Ph.D Islamic Studies (Punjab) MPhil Islamic Studies (AIOU) MA Islamic Studies (Karachi) MA Arabic (Peshawar) LL.B (Karachi) Al-Shahada Al-Alimiya
2.	Dr. Muhammad Shahid	Assistant Professor	Ph.D Islamic Studies (UOS) MPhil Islamic Studies (IUB) MA Islamic Studies (BZU) Al-Shahdat-ul-Almiyah
3.	Muhammad Rafiq Sadiq	Lecturer	MA Islamic Studies & Arabic B.S (Hons) King Saud University, K.S.A, BEd College of Education K.S.A Rayadh, Shahada-tul- Almia from Wafaq-ul-Madaris

3. DEPARTMENT OF ISLAMIC THOUGHT HISTORY AND CULTURE

This department was established to provide advance studies and research in the field of Islamic Thought, History and Culture. To achieve this goal the department is offering graduate and postgraduate levels programmes. The coordination of MA Islamic Studies programme as well as the M.Phil Islamic Studies is also placed in this department.

OBJECTIVES

1. To teach Islamic Studies from Metric to PhD level as per contemporary requirements.
2. To conduct advance researches on the different aspects of Islamic Sciences.
3. To play active role in correct interpretation of Islamic Sciences for the needs of the society.

4. To develop linkage among different highly reputed National and International institutions offering Islamic Studies program at higher level.
5. To prepare the Text Books and Study Guides for Metric to PhD level programs.
6. To Organize National and International Workshops/ Seminars/Conferences on Islamic Sciences.

FACULTY MEMBERS

Sr. No.	Name of The Faculty Member	Designation	Qualification
1	Prof. Dr. Mohyuddin Hashimi	Professor/ Chairman/ Dean	PhD Islamic Studies MS/M.Phil (USA) MPhil Islamic Studies (AIOU) MA Islamic Studies Al-Shahadah Al-Alamiya University Intensive English (Howard USA)
2	Dr. Hafiz Muhammad Sajjad	Associate Professor	PhD Islamic Studies MPhil Islamic Studies (AIOU) MA Islamic Studies & M.A Arabic (P.U, Lahore)
3	Dr. Ahmad Raza	Assistant Professor	Ph.D Islamic Studies M.A Islamic Studies Shahdat-ul-Alimiya
4	Hafiz Tahir Islam Askari	Lecturer	PhD Islamic Studies (Continue) M.Phil Islamic Studies MA Islamic Studies Shahdat-ul-Alimiya

4. DEPARTMENT OF SHARI'AH

The department of Shariah has been established to conduct advance research in the field of Shariah. To achieve this goal the department is offering advance levels graduate and post graduate programmes. Currently the Department is offering specialization of Islamic Law and jurisprudence in MA Islamic Studies.

FACULTY MEMBERS

Sr. #	Name	Designation	Qualification
1	Prof. Dr. Hafiz Ghulam Yousaf	Professor/ Chairman	Ph.D Islamic Studies(Karachi) MA Islamic Studies (Karachi) Al-Sahada Al-Alimiya
2	Dr. Hidayat Khan	Associate Professor	Post doctorate (RUSI), London Ph.D Islamic Studies AIOU, LLM Sharia and Law (IIUI) LLB (Honors) Sharia and Law (IIUI)
3	Ms. Tahira Iffraq	Lecturer	Ph.D Scholar Sharia LLM (ICL) LLB (Hons) Sharia & Law (IIUI)
4	Hafiz Moazzum Shah	Lecturer	Ph.D Scholar Islamic Studies, (NUML) M.Phil Islamic Studies AIOU, Islamabad MSC Economics (Islamic Banking & Finance) , IIUI B.S (Islamic Banking & Finance), IIUI. Al-Shahda Al Almiyya

5. DEPARTMENT OF SEERAH STUDIES

This department newly established in 2018 to provide advance studies and research in the field of Seerah. The department is coordinating Dars-e-Nizami programme from Matric to BA. A research journal “Seerah Studies” is being published by the Department. The department will soon offer its BS, M.Phil & Ph.D programmes.

FACULTY MEMBERS

Sr. #	Name	Designation	Qualification
3	Dr. Moeen Uddin Hashmi	Associate Professor/ Chairman	Ph.D Islamic Studies M.Phil Islamic Studies (AIOU) Al Shahada al-Alimiya MA Islamic Studies

6. DEPARTMENT OF ARABIC LANGUAGE & LITERATURE

This department of Arabic is one of the pioneer departments of the university. This department was established in 1974 as an initially part of Institute of Arabic and Islamic Studies. Later on this department started its functions as part of the faculty of Arabic and Islamic Studies in 1988. The nature of this department is unique and some programmes of Arabic such as ATTC and B.Ed Arabic are offered only in this department. Matric to PhD level programmes are offered by the department.

The Department of Arabic has been able to revise its courses offered at MA level with the help of Experts in different disciplines of Arabic similarly ATTC, B.Ed (Arabic) and other courses in the subject are also up-dated accordingly.

FACULTY MEMBERS

Sr #	Name	Designation	Qualification
1.	Dr. Shahnaz Zaheer	Incharge/ Assistant Professor	PhD Arabic (Punjab University) Diploma in English Language, UK MA Arabic NUML Diploma in Distance Education IEC. London University (UK)
2.	Dr. Abdul Majeed Baghdadi	Assistant Professor	PhD Arabic (B.Z.U) MPhil Arabic, MA Arabic, BEd Arabic, ATTC
3.	Dr. Sami Ullah Zubairi	Assistant Professor	PhD Arabic PhD Islamic Studies (Continue) M.Phil Islamic Studies MA Arabic (Punjab University) MA Islamic Studies (IIU) ATTC
4.	Mr. Shakeel Ahmad	Lecturer	M.Phil (Arabic) M.A(Arabic)

LIST OF THE PROGRAMMES:

1. Lughat-ul-Quran
2. Al'Lisan Al'Arabi
3. Arabic Conversation
4. Arabic (Matric)
5. Arabic (Inter)
6. Arabic (BA)
7. MA (Arabic)
8. MPhil Arabic

Professional Courses:

1. Arabic Teachers Training Course (ATTC)
2. B.Ed (Arabic)

Programme in Pipe Line:

In additional to above programmes, the department has been able to revise, up-date its courses particularly MA (Arabic), ATTC and B.Ed (Arabic)

MPHIL ARABIC PROGRAMME

1. AIMS AND OBJECTIVES:

- Prepare scholars of research aptitude who can analyze the facts in the light of research in Arabic.
- Enhance the skill of research and create better understanding of Islam and contemporary challenges faced the Muslim Ummah.
- Provide opportunity of learning the methods of use of basic Islamic Sources in Arabic for the purpose of Islamization of contemporary knowledge and laws.
- Prepare scholars who have a grasp of Arabic in general and command over the area of specialization in particular.
- Create good relations with Arabs though learning/teaching of Arabic.
- Establish a cadre of specialists and professionals in different fields of Arabic, who can conduct quality research in various disciplines of Arabic. Provide opportunities of professional growth and development to scholars in general and in-service personnel in particular.

2. ELIGIBILITY FOR ADMISSION

MA Arabic or equivalent with minimum 2nd division can apply for the admission in M.Phil However, preference will be given to those candidates who have passed all degrees with first division and Arabic as elective subject.

- A significant weightage is given to the research these written for MA Arabic.
- Expertise in Arabic language and Hifz-e-Quran is also considered extra qualification.
- Intermediate and above teaching experience in any recognized college/institutions is also given due weightage in admission criteria.
- Published research papers in approved research journals are also considered in admission criteria.
- The graduates of HEC's approved Wifaq with the degree of Al Shahdat Al Almia can also apply for admission but they must have BA from any recognized University & Intermediate and SSC from any recognized Secondary and Intermediate Board.
- Department Test (Subject based which consists on especially from MA Arabic text books of AIOU) & Interview.

3. SCHEME OF STUDIES

Sr. No.	Name of Programme	M.Phil in Arabic
1.	Duration	Course work = two semesters (4+4 Courses of 3 C.Hrs each)=24 C.Hrs Research Thesis=Two Semesters 24 C.Hrs
2.	Medium of instruction	Arabic
3.	Research work/Thesis	1) The research work must be distinct contribution to knowledge and afford evidence to originality, shown either by the discovery of new facts or by the

		exercise of independent critical judgment. 2) The student will be required to write the thesis in Arabic and observing the guidelines regarding format, writing, referencing, paper and other related matters as approved Hours in AIOU rules & regulations.		
4.	Workshops	i) One week workshop of each 3 credit hours in each semesters ii) Two weeks synopsis orientation workshop at the start of research work after the completion of course work.		
5.	Components of M.Phil Arabic	S. #	Component	Weight age
		1.	Assignments	20%
		2.	Face to face teaching in shape workshops	10%
		3.	Final examination	70%

3. DETAILS OF COURSE WORK

1st Semester

S. No.	Course Title	Code	Cr. Hrs	Components of Course
1	Principles of Research -I	4713	03	Each course includes the following components: a. Two assignments based on distance learning. b. Each 3 credit hours, One Week workshop c. Final Examination
2	Principles of Research –II	4714	03	
3	The Arabic linguistics and Literature & its Sources-I	4715	03	
4	The Arabic linguistics and Literature & its Sources –II	4716	03	

2nd Semester

S. No.	Course Title	Code	Cr. Hrs	Components of Course
1	Literary study-I	4717	03	As in the 1 st Semester
2	Literary study-II	4718	03	
3	Linguistic studies-I	4719	03	
4	Linguistic studies-II	4720	03	

3rd & 4th Semester

	Thesis	4705	12	Two Weeks Thesis Workshop
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5. RESEARCH WORK

After the successful completion of course work, the student shall have to do research relating to Linguistics or Literature under supervision of the approved supervisor at university level possessing Ph.D Degree in Arabic. This research shall be completed at least within one year (equal to two semesters)

6. FEE STRUCTURE (MPhil Arabic)

Nature of Fee	Amount	Description
Admission fee	Rs.1000/-	This fee will be paid with the fee of first semester
Registration fee	Rs.200/-	Once at the time of Admission
Tuition fee for 12-Credit hours course.	Rs.11700/-	A Student can take 12 credit hrs in one semester
Thesis Fee 12 Credit hours	Rs.19360/-	This fee is received in one installment
Thesis Evaluation fee	Rs.4720/-	This fee will be paid at the time of submission of thesis

How to Apply for Admission

The candidates who are interested in admission should follow following directions:

1. Please read the prospectus carefully and fill all columns of Application Form carefully and do not leave any column incomplete.
3. Fix your photo at the place provided for that purpose.
4. Attach following documents with the Application Form
 - i. Attested copy of I.D Card
 - ii. Attested copy of Matric (SSC), Intermediate (FA), B.A and M.A Digress/Certificates and Result Cards
 - iii. Attested copy of any proof of Arabic/English proficiency
 - iv. Copy of Hifz Certificate (If any)
 - v. Certificate of Research at MA Level (if any)
 - vi. Copy of published research papers (if any)

Note: Admission form complete in all respect must be sent on the following address:

Dr. Shahnaz Zaheer,
Incharge, Department of Arabic,
Programme Coordinator M.Phil Arabic
Block-05, Allama Iqbal Open University, Sector H-8, Islamabad,
Phone No. 051-9250148, 9057803, 9057274
Email: ammishn@yahoo.com
drshahnazzaheer@gmail.com

7. Department of Comparative Religions

8. Department of Interfaith Studies (newly established)

9. Department of Islamic Economics (newly established)

Above mentioned departments are newly established and will be functional soon.

FACULTY OF SCIENCES

Faculty of Sciences forms an important integral part of the university. Since its establishment in 1982 with five teaching departments, it has undergone major development changes. It now comprises of nine teaching and research departments which are offering courses at the undergraduate and postgraduate levels to more than ten thousand students. The Faculty operates under the basic guidelines of the University Act and on “Education for All as Convenient” basis so that maximum students get benefit from its academic programmes and educational facilities. This principle has necessitated some structural changes in the non-formal mode, particularly at the postgraduate level, in the offering of theory courses and practical lab work. This conceptual adjustment has been quite successful and many in-service students are benefiting from postgraduate study programmes. Improvement in qualification for a better life is a right of everyone and the faculty’s programmes meet this challenge by offering opportunities to all. In particular a significant number of beneficiaries are those who cannot afford education in formal institutions due to a variety of reasons.

Realizing the importance of science education and the growing need of the Faculty of Sciences, the university has completed a building, the Research Complex, at a cost of Rs.35 million. The Research Complex now accommodates departments of Agricultural Sciences, Biology, Chemistry, Environmental Design, Health and Nutritional Sciences (ED, H & N Sciences) and Physics whereas other departments of Science Faculty are located in Block 6 & 7. These departments are running a variety of postgraduate technical, scientific and professional programmes successfully. The Research Complex has also a computer lab with internet and on-line library facility for literature survey, seminar

room, lecture hall and a library. In addition, there are many labs for practical work, teaching, research and instrumentation labs for analysis. The university is developing these labs through its own resources. The Faculty of Sciences is thankful to the vice-chancellor, for giving personal attention to the development of the Faculty of Sciences by providing generous amount of funds and valuable guidance.

Two model labs have also been developed in the Research Complex, with the assistance of the Higher Education Commission to meet the training needs of science teachers. This development is significant since under the new educational policy four-year BS programme has started in undergraduate educational institutions.

More than fifty highly qualified full-time faculty members are on the roll of the Faculty of Sciences. Their role in the planning, designing and development of different courses, to meet students’ needs is vital. Faculty members also engage in imparting and supervising of instructions so that high standards are maintained. In addition highly qualified and experienced professors are also engaged on contract or as part time instructors, for postgraduate study programmes. The University faculty is also offering academic positions under tenure track system to attract the best minds in scientific and technological fields, as a full time employee of the university.

Research is an integral part of postgraduate study programmes leading to MSc, MPhil, and PhD degrees in Agricultural Sciences, Chemistry, Computer Sciences, Environmental Design, Health and Nutritional Sciences (EDH & N Sciences), Mathematics & Statistics and Physics. Rules and regulations for governing the postgraduate study programmes are those approved by the Higher Education Commission (HEC).

For MS and MPhil degree, 24 credit hours of course work and a minimum of one year of research work in a specialized area of the disciplines is required. A candidate for PhD degree has to take additional 18 credit hours of specialized courses in the field of research. The dissertation will comprise original research on a topic in the discipline and shall be evaluated by three foreign referees, who are expert in the field. At least one publication in international journal is also necessary before the degree is awarded.

The faculty has launched the four year BS programme in sciences (Chemistry, Microbiology) comprising 124–140 credits. This four-year BS programme is structured according to the recent policies of the Higher Education Commission for the improvement of standard of education to bring it at par with the international standards.

Under the dynamic and visionary leadership of the Vice Chancellor Prof. Dr. Shahid Siddiqui, the faculty has already initiated many new PhD, MPhil, MSc and BS programmes, which will be launched in 2015-2016. Research is the basic emphasis of the new leadership and the faculty has been strengthened by the induction of additional faculty members and providing truly academic atmosphere at campus. Moreover Matric-tech. programme has been initiated for the benefit of the masses.

DEPARTMENT OF CHEMISTRY

The department of chemistry was established in March 1998. Its faculty consists of one Professor, four Associate Professors, one Assistant Professor, four Lecturers and two Research Associates. The department has most modern equipments/ instrumentation in

its teaching and research labs in the Science Block at AIOU main campus. These equipments/ instrumentation include CHNS Analyzer, Thermal Analyzer, UV-Visible, Fluorescence and FTIR Spectrophotometers, GC-MS, HPLC, Atomic Absorption spectrometer and Electrochemical System etc.

The department has developed all the courses for undergraduate, graduate, postgraduate and PhD level in accordance with the guideline provided by the Higher Education Commission (HEC). These courses are reviewed from time to time through Committee of Courses to incorporate emerging modern trends in the subject. The Committee of Courses of the department has distinguished Professors and Scientists of the country as members besides departmental faculty. Department has also signed MOU with university of Rostock, Germany. By this MOU, our PhD students get opportunity to do research work in Germany. Moreover department has also signed MOU with University of Kebangsaan Malaysia. This collaboration will be very useful for our MPhil and PhD students.

At present, department of chemistry is offering and coordinating the following programmes:

1. Chemistry Courses for FSc Students
2. BS Chemistry
(Organic, Inorganic and Physical Chemistry Specialization)
3. MSc Chemistry
(Organic, Inorganic and Physical Chemistry Specialization)
4. MPhil Chemistry
5. PhD Chemistry

In Autumn 2018 semester, department is offering MPhil & PhD programmes.

MPhil and PhD (Chemistry)

1. Introduction

The Department of Chemistry is offering MPhil and PhD programmes. Currently specialization is being offered in the field of Organic Chemistry. Later on, the specializations in other branches of Chemistry will be offered.

2. Objectives

The aim of this programme is to provide an opportunity to the in-service personnels to get specialized in the field of chemistry and to improve the qualification of those who could not continue their education through formal system. Maintaining the high standards of teaching and research, the department also wants to attract fresh students. The main objective is to uplift the standard of education and research specially in the field of chemistry in the country.

3. Target Groups

MPhil and PhD Chemistry programmes are particularly designed for the following:

- i. College teachers who want to improve their qualification.
- ii. Scientists working in different laboratories and research organizations desirous of improving their knowledge and qualification.
- iii. Fresh students having special aptitude for research.

4. Eligibility

(a) MPhil Chemistry

A person holding MSc degree (at least 2nd division) in Chemistry is eligible to apply for admission in MPhil Programme. Admission will be entirely on merit and restricted to the number of seats available. The Department will conduct written test for admission.

(b) PhD Chemistry

Candidates holding MS/MPhil or equivalent in Chemistry with CGPA 3.0 (or 60% marks) are eligible to apply for PhD Programme. The Department will conduct written test for admission.

5. Admission Procedure

- i. The Prescribed Admission Form (duly filled) alongwith the attested copies of required documents be sent to Chairperson, Department of Chemistry.
- ii. Test and interview of the eligible candidates will be conducted by the Departmental Admission Committee and the merit will be determined on the basis of qualification, research, professional experience, test and interview, etc.
- iii. Selected candidates will be informed by the Directorate of Admission with the directions to deposit fee according to the schedule.

Since admission in MPhil and PhD programmes is strictly on merit, only selected candidates will be informed and asked to deposit the prescribed fee. **The fee should NOT be submitted before the confirmation of your admission.** In case of admission, if a candidate fails to deposit fee within prescribed period, it would be assumed that the student is not interested in getting admission. The department may invite a candidate in waiting list for admission against the vacant seat.

For clarification about academic matters please contact on the phone numbers given below:

051-9057754, 051-9057818, 051-9250081

Note: Admission form complete in all respect must be sent on the following address:

The Chairperson
 Department of Chemistry
 Science Block
 Allama Iqbal Open University, Islamabad.
 Tel: 051-9057754, 051-9057818, 051-9250081

6. Scheme of Studies

Scheme of Studies for MPhil Chemistry

- i. A student will have to complete total of 24 credit hours of course work in the first and second semesters.
- ii. In the third & fourth semesters, students are required to complete research work and thesis as per AIOU rules.
- iii. The minimum period to complete research thesis shall be two semesters.
- iv. The maximum period for the completion of MPhil Degree programme is five years (ten semesters) only.

Scheme of Studies for PhD Chemistry

- i. Initially, the student is required to complete 18 credit hours of PhD course work. After this period, he/she has to pass comprehensive Examination.
- ii. Besides completion of PhD course work and other requirements, a candidate has to complete research work and thesis as per AIOU rules.
- iii. For PhD, the student has to complete all other formalities, prescribed by the Higher Education Commission.

Description of MPhil Chemistry Theory Courses Semesters: I & II

Course Code	Course Title	Credit Hours
1751	Advanced Organic Syntheses	3
1752	Advanced Stereochemistry	3
1753	Natural Products	3
1754	Reactive Intermediates in Organic Chemistry	3
1755	Organometallic Chemistry	3
1759	Structure Elucidation of Organic Compounds by Spectroscopy	3
1761	Organic Polymer Chemistry	3
1763	Chemistry of Primary Metabolites	3
1700	Medicinal Chemistry	3
1770	Plastic Materials	3
1745	NMR Spectroscopy	3
1746	Advanced Heterocyclic Chemistry	3
1772	Theoretical Background of Organic Lab. Techniques	3
1773	Organic Spectroscopy	3
1774	Homogeneous Catalysis	3

Note: Any four courses from the table will be offered in the 1st semester, subject to the availability of expertise. In 2nd semester any four courses from the remaining courses will be offered.

Description of MPhil Chemistry Thesis Semesters: III & IV

Course Code	Course Title	Credit Hours
1760	Research and Thesis	6
1760	Research and Thesis	6

Course Outlines (Semester I / II)

Organic Synthesis (1751)

One and two group C-X disconnections. Concept of donor and acceptor synthons. One and two group C-C disconnections and 1,2; 1,3; 1,4; 1,5; and 1,6 difunctionalized compounds. Synthesis of ring compounds. Synthesis of aromatic compounds. Aromatic heterocycles. Advanced reaction strategies.

Advanced Stereochemistry (1752)

Structure and symmetry. Configuration of cyclic molecules. Actual shape of six-membered rings. Stereochemistry and conformational analysis of substituted cyclohexanes, stereochemistry and conformational effects in small, common and medium rings, effect of heteroatoms on conformational equilibria. Fused rings, bicyclic and polycyclic rings systems, bridged rings. Determination of enantiomer and diastereomer composition by NMR, chromatographic, kinetic and isotope dilution methods.

Natural Products (1753)

Terpenoids, Alkaloids, Phenolics, Fatty Acids and their derivatives, Carbohydrates, Amino Acids and Peptides, Nucleosides, Nucleotides and Polynucleotides.

Reactive Intermediates in Organic Chemistry (1754)

Structure, stability, generation, reactions and detection of carbocations, carbanions radicals, carbenes, benzyne and related intermediates. Intermediates in oxidation reactions.

Organometallic Chemistry (1755)

Nature of bonding, σ and π complexes. Preparation of organometallic compounds. Application of organometallic compounds in organic chemistry for hydrogenation, isomerization, hydrosilylation, polymerization, hydroformylation, cyclisation, carboxylation, carbonylation, olefin metathesis, hydrocyanation etc.

Structure Elucidation of Organic Compounds by Spectroscopy (1759)

Ultraviolet Spectroscopy, Infrared Spectroscopy, Nuclear Magnetic Resonance Spectroscopy, Mass Spectrometry and their applications. Joint applications of UV, IR, NMR and MS for structure elucidation.

Organic Polymer Chemistry (1761)

Introduction to science of polymers. Steps Reaction (Condensation) Polymerization. Radical Chain (Addition) Polymerization. Ionic and Coordination Chain (Addition) Polymerization Copolymerization and polymerization conditions. Characterization of polymers. Measuring of molecular weight and size. Analysis and testing of polymers. Structure and properties of Crystalline Polymers.

Chemistry of Primary Metabolites (1763)

Amino Acids. Proteins. Purines and Pyrimidines. Deoxyribonucleic Acids. Ribonucleic Acids. Enzymatic Catalysis. Chemistry of Vitamins. Chemistry of Carbohydrates. Biochemical and analytical techniques.

Medicinal Chemistry (1700)

Physicochemical properties in relation to biological actions. Metabolic changes of drugs and related organic compounds. Antimalarials. Antibacterial antibiotics. Antineoplastic agents. Central nervous system depressants.

Plastic Materials (1770)

Introduction to plastic material. Micro and Macro viewpoint in plastics. Thermoplastic materials. Thermoset materials. Composite materials. Additives and their role in plastics. Degradation and the environment. Processing of plastic materials.

NMR Spectroscopy (1745)

Introduction to Nuclear Magnetic Resonance – (NMR), The NMR Spectrometer, Factors Influencing Chemical Shifts, Correlating Proton Chemical Shifts with Molecular Structure, Spin – Spin Coupling and Spin – Spin Splitting, Specialized Techniques in ¹H-NMR Spectroscopy, Dynamic NMR, Carbon – 13 NMR Spectroscopy, Correlating Carbon – 13 Chemical Shifts with Molecular Structure.

Advanced Heterocyclic Chemistry (1746)

Structures and Spectroscopic Properties of Aromatic Heterocycles, Chemistry of Nitrogen Containing Heterocyclic Compounds, Chemistry of Sulphur, Containing Heterocyclic Compounds, Chemistry of Oxygen Containing Heterocycles, Chemistry of Fused Ring Heterocyclic Compounds I, Chemistry of Fused Ring Heterocyclic Compounds II, Heterocycles Containing more than One Heteroatom, Heterocycles Containing more than Two Heteroatoms, Chemistry of Saturated and Partially Unsaturated Heterocyclic Compounds.

Theoretical Background of Organic Lab Techniques (1772)

Distillation, Crystallization, Chromatography I, Chromatography II, Statistical Treatment of Data, Extraction, Organic Reagents, Working with Laboratory Equipment, Disposal of Waste and Recycling.

Organic Spectroscopy (1773)

UV / Visible Spectroscopy Part I, UV / Visible Spectroscopy Part II, UV / Visible Spectroscopy Part III, Infrared Spectroscopy, Infrared and Raman Spectroscopy, Mass Spectrometry I, Mass Spectrometry II, Mass Spectrometry III, Mass Spectrometry IV.

Homogenous Catalysis (1774)

Introduction, Basic Chemical Concepts, Alkene Based Homogenous Reactions, Carbonylation, Hydroformylation, Palladium catalysed Cross-coupling reactions, C-H Activation, Oxidation with dioxygen, Alkene metathesis.

**SEMESTER III & IV for MPhil Programme
Research and Thesis (1760)****Description of PhD Chemistry Theory Courses****Semesters: I & II**

Course Code	Course Title	Credit Hours
1756	Organic Photochemistry	3
1757	Pericyclic Chemistry	3
1758	Reaction Mechanism	3
1762	Quantum Organic Chemistry	3
1765	Advanced Nuclear Magnetic Resonance (NMR) spectroscopy	3
1766	Special Topics in Chemistry	3
1767	Mass Spectrometry	3
1768	Special Techniques in Organic Synthesis	3
1769	Theoretical Aspects of Spectroscopy	3
1789	Literature Review & Seminar	3
1799	Instrumental Methods of Analysis	3

Note: Any three courses out of the above mentioned theory courses will be offered in I semester. In II semester any three courses from the remaining list will be offered, subject to the availability of expertise

Description of PhD Chemistry Research Work & Thesis

Semester	Course Code	Course Title	Credit Hours
III	1764	Research Work and Thesis	12
IV	1764	Research Work and Thesis	12
V	1764	Research Work and Thesis	12
VI	1764	Research Work and Thesis	12

7. Offering

At present this programme is being offered at the university main campus in Islamabad. In future, it will be opened for the entire country subject to the availability of laboratories and appropriate tutorial support.

8. Assessment

Continuous Assessment

Continuous assessment will be based on assignments and class tests. The pass percentage in assignments and class tests will be 50%. The weightage of this component in the final result will be 30%.

Final Examination

Final examination of 100 marks for each three credit theory course will be conducted at the end of semester. The pass percentage in final examination will be 50% and its weightage in the final result 70%.

The student will have to pass in each component independently to be declared successful in the course.

Assessment of Research Thesis

After the completion of course work the candidate will undertake a research thesis under the guidance of a supervisor. Both the research project and name of supervisor will be approved by the Board of Advanced Studies and Research (BASR), AIOU. PhD thesis will be evaluated by foreign professors. The research report must be supported by at least one publication in International Journal as per HEC rules.

9. Attendance

These programmes are based on face to face teaching and research work. At least 70 % attendance is compulsory to qualify for appearing in final examination.

10. Fee Structure:

MPhil Chemistry Programme:

Course fee: Rs.6270/- (For each 3-credit theory course)

Research thesis fee (For 12 credit hours research)

Semester III: Rs.50,275/-

Semester IV: Rs.50,275/-

If the thesis is not submitted by the end of 4th semester, extra fee will be charged on per semester basis.

1st Semester

Course Fee: Rs.26,380/- @ Rs.6270/- per 3 credit theory course (four 3 credits)

Registration & degree fee will be charged as per AIOU rules.

Please deposit this fee only after receiving your selection letter from the University.

Thesis evaluation fee will be charged as per AIOU rules.

***PhD Fee Structure**

Item	Rates
Tuition Fee (for 09 credit hours)	Rs.6835/- per semester
Admission Fee	Rs.2500/-
Registration Fee (if not already)	Rs.2400/-
Library Fee	Rs.700/- per semester
Laboratory / Computer charges	Rs.2000/- per semester
Technology Fee	Rs.100/-
Student ID Card Fee	Rs.100/-
Library security	Rs.2500/- refundable
Caution money	Rs.2000/- refundable
Total Fee (First Semester)	Rs.19135/-

Research Fee Rs.14,070/- (per semester)

*Only applicable after confirmation of admission in PhD, by the university.

Thesis evaluation fee and any other charges will be as per AIOU rules.

The University reserves the right to change the fee tariff in the coming semesters. This can be done without any prior notice as deemed fit for the expected expenditure which is to be incurred on the semester based academic and operational activities of the programme.

**Important Addresses and Telephone Numbers
CONTACT ADDRESSES (ACADEMICS)**

Name	E-mail & Phone
Prof. Dr. Naghmana Rashid Chairperson	Tel: 051-9057818 051-9250081
Dr. Uzma Yunus Associate Professor	uzma_yunus@yahoo.com Tel: 051-9057755
Dr. Moazzam Hussain Bhatti Associate Professor	moazzamhussain_b@yahoo.com Tel: 051-9057262
Dr. Nasima Arshad Associate Professor	nasimaa2006@yahoo.com Tel: 051-9057756
Dr. Muhammad Sher Associate Professor	sherqau@yahoo.com Tel: 051-9057198
Dr. Muhammad Zaman Ashraf Assistant Professor	mzchem@yahoo.com Tel: 051-9057182
Ms. Mehwash Zia Lecturer	m.ehzia@hotmail.com Tel:051-9057252
Dr. Farzana Shaheen Lecturer	Farzanaqau2013@gmail.com Tel: 051-9057198
Dr. Iqbal Ahmed Lecturer	Iqbal.ahmad@aiou.edu.pk Tel: 051-9057874
Dr. Erum Jabeen Lecturer	erumjabeen123@yahoo.com Tel: 051-9057225

DEPARTMENT OF ENVIRONMENTAL DESIGN, HEALTH & NUTRITIONAL SCIENCES

Introduction

Pakistan is a developing country and it is the need of the hour to improve standard of education in all disciplines especially in science and technology in order to better cope with the challenges of 21st century. The Department was first established in 1981. During last 03 decades the department has developed a range of professional programmes in Health and Nutrition, Environmental Design and Home Economics. Multipurpose teaching/ research labs for Food and Nutrition and Environmental Design programmes has been set up in order to provide a comprehensive environment for imparting practical training and research at the main campus.

Aims and Objectives

1. To upgrade and update the skills & knowledge of professionals in various fields of applied sciences.
2. To prepare learners for the career related disciplines considering the professional interests of individuals in the areas of Health, Food Science, Nutrition, Dietetics, Environmental Design and Home Economics.
3. To prepare the individuals/professionals for the development and up gradation of community & sustainable environment.
4. To enable the individuals to integrate and apply knowledge and skills of Basic Sciences, Home Economics & Applied Sciences for their professional development.

The department has produced scientific/value added and professional programmes/courses in the areas of Health, Food & Nutrition, Home Economics and Environmental Design. The courses are now being offered under basic functional to post-graduate, MS and PhD level programmes. Many of these courses are supported with audio-visual programmes.

Currently the department is offering following programmes:

1. PhD Food and Nutrition
2. MS Community Health & Nutrition
3. MS Environmental Design
4. MSc Public Nutrition
5. MSc Sustainable Environmental Design
6. PGD in Dietetics for Dieticians (**continuing students only**)
7. PGD in Nutrition for Physicians (**continuing students only**)
8. Postgraduate Diploma in Environmental Design
9. Undergraduate level Home Economics and Health courses
10. Functional courses in Family Health, Child Care, Nutrition & First Aid.

A. PhD Food and Nutrition

1. Introduction

The National Nutritional and Health surveys conducted so far revealed that Pakistani's vulnerable community i.e. women and children in particular are suffering from under nutrition consequently causing a number of other diseases. One out of three children in Pakistan has been reported to be malnourished. An adequate nutrition contributes substantially to childhood development but often goes unrecognized. Malnutrition in childhood leads to impaired immunity and higher susceptibility to infection. In adults, malnutrition leads to diminished strength and lower mental activity. These in return, lower the manpower productivity and affect country's economic growth.

The health professionals during their basic five years training go through a heavy syllabus of medicine, surgery and curative aspects with a little emphasis on Food and Nutrition. The need

for application of nutritional knowledge arises more during their practice at various health outlets. Similarly the Dieticians and Nutritionists have a little opportunity to enhance their knowledge and develop scholarship in the field of Food and Nutrition within Pakistan.

The purpose of MS/MPhil based PhD Food and Nutrition is to offer a value added degree programme that focuses on the research based prevention strategies of wide range of avoidable nutritional problems. It focuses on in-service health professionals and nutritional experts involved in teaching postgraduate level programmes committed to undertake good nutritional care of the community. The programme was partially funded by Department for International Development (DFID) & British Council under Higher Education Link (HEL) Programme. Technical assistance and expert advice has been provided by the Center for Health and Nutrition Research, Nine Wells Hospital of University of Dundee, Scotland, UK.

2. Objectives

PhD Food and Nutrition is planned to achieve the following objectives:

1. To impart research based higher education in Food and Nutrition to people working in the field of Nutrition and Health.
2. To teach the skill of data collection, analysis and to draw conclusions on scientific grounds.
3. To upgrade the qualification of those who have completed their MS/MPhil in the relevant discipline.
4. To provide an opportunity to post-graduates working in different health departments/ organizations & teaching institutions to enhance their qualification.

3. Target Groups

This programme is especially designed for;

1. In service Home Economists (Food & Nutrition) working in different educational environments/ agencies/ organizations.
2. Un-employed master's degree holders in the field of Home Economics (Food & Nutrition) or equivalent who want to continue their studies after completing their master degree from conventional system.
3. In-service medical officers holding master degree in Community Health and Nutrition from AIOU.
4. In-service dietitians holding master's degree in Community Health & Nutrition from AIOU.
5. Food Scientists holding MSc Honors degree in relevant discipline

4. Eligibility

The minimum entry requirement for admission to PhD programme shall be:

1. Minimum 18 years of schooling in the following subjects with First Division from HEC recognized institutions.
 - a) Food & Nutrition (Home Economics)
 - b) Human Nutrition
 - c) Community Health & Nutrition (AIOU)
 - d) MSc (Hons.) Food Technology. (These candidates will be required to complete deficiency courses successfully before applying for admission in PhD. The Admission Committee will identify the deficiency courses on case to case basis keeping in view the requirements of the programmes.

2. Candidates holding MS/MPhil or equivalent degree as mentioned above with CGPA **3.0 (or 60% marks)** are eligible to apply for PhD Programme. The Department will conduct written test for admission as per directives of HEC. The candidate who will pass the written test with 70% marks will be called for interview. The entry requirement for admission to a PhD programme shall be in accordance with the Postgraduate Rules, Regulations and Procedures (PRRP) relating to Admission, Registration and Examination in MS/MPhil Or equivalent and PhD at AIOU.
3. The admission will be entirely restricted to the number of seats available and final result of the interview.

Note: The department reserves the right to withhold the admissions in the Programme without any prior notice depending upon the number of applications received, resources and human power available within the department.

Face to face compulsory teaching workshops will be held at the main campus Islamabad only.

5. ADMISSION PROCEDURE

- i. The Prescribed Admission Form (duly filled) along with the attested copies of required documents be sent to chairperson, Department of Environmental Design, Health and Nutritional Sciences, AIOU, Islamabad. The candidates with foreign degrees should attach HEC equivalence certificate for the postgraduate degrees.
- ii. Written test and interview of the eligible candidates will be conducted by the Departmental Admission Committee and the merit will be determined on the basis of qualification, research publications and professional experience, test and interview, etc.

- iii. At the time of interview, candidates have to present the research proposal before the Admission committee.
- iv. Selected candidates will be informed by the Directorate of Admission with the directions to deposit fee according to the schedule.

Since admission in PhD programme is strictly on merit, the fee should NOT be submitted before the confirmation of your admission; only selected candidates will be informed and asked to deposit the prescribed fee, on or before the last date for fee deposition. In case of non-compliance, it would be assumed that the student is not interested in getting admission. The department may invite a candidate in waiting list for admission against the vacant seat.

Note: Admission form complete in all respect along with documents (testimonials) must be sent on the following address:

**The Chairperson,
Department of Environmental Design, Health &
Nutritional Sciences
Block No.6,
Allama Iqbal Open University, Islamabad.
Tel: 051-9057742,
051-9057745, 051-9057265,
051-9057743, 051-9057748**

6. Scheme of Studies

- i. Initially, the student is required to complete 18 credit hours of PhD course work. After this period, he/she has to pass comprehensive Examination.
- ii. Besides completion of PhD course work and other requirements, a candidate has to complete research work and thesis as per AIOU rules.
- iii. For PhD, the student has to complete all other formalities, prescribed by the Higher Education Commission.

Sr. No	Course Code	Title of Course	Credit Hours
1	2766	Nutrition & Dietetics for Health Care	3(3-0)
2	2761	World Food and Nutrition Problems	3(3-0)
3	2762	Nutrition through the Life Cycle	3(3-0)
4	2763	Food Quality and Consumer Value	3(3-1)
5	2764	Principles of Nutritional Assessment	3(3-1)
6	2767	Functional Foods	3(3-0)
7	2768	Nutrition and Metabolism	3(3-0)
8	2765	Designing Personalized Scientific Nutritional plan	3(3-1)

Note: At PhD level out of the above approved courses, courses equivalent to 9 credit hours will be offered in each semester adding up to total of 18 credit hours for PhD programme as per requirement of HEC.

7. Assessment

Assessment will be done by two ways:

a. Assignments (Continuous assessment):

Two assignments for a 03 credit hours course will be given in each semester and will be marked by the respective tutors. Twenty percent weightage will be given to the assignment whereas 10% to course workshops. These assignments will be marked and returned to candidates with the comments by tutors.

b. Final Examination:

Final examination will be held at the end of each semester. 70% weightage will be given to final examinations.

- c. Passing Marks: 50% Final Exam.
50% Continuous Assessment
50% in Aggregate

d. Distribution of marks in different components of assessment:

- a) Continuous Assessment 30%
- Assignments 20%
- Course Workshop 10%
- b) Final Examination 70%

The grade will be determined as under:

- Grade A 80% or above
Grade B 65% to 79%
Grade C 50% to 64%
Fail Below 50%

8. Research Thesis

After the completion of course work the candidate will undertake a research thesis under the guidance of a supervisor. Both the research project and name of Supervisor will be approved by the Board of Advanced Studies and Research (BASR), AIOU. PhD thesis will be evaluated by foreign professors. The research report must be supported by at least one publication in International journal as per HEC rule.

9. Viva Voce

After evaluation of the thesis by external experts, the student will have to appear before a viva voce committee to defend his/her research and thesis.

10. Attendance

There will be two workshops of face to face teaching/ research work of 15 days each per semester. At least 70% attendance is required to qualify for appearing in final examination.

11. Fee Structure PhD Food & Nutrition Programme

Item	Rates
Admission Fee	Rs. 2500/- This fee will be paid with the fee of first semester.
Registration Fee	Rs. 2400/- Once at the time of Admission
Technology Fee	Rs. 100/-
Tuition Fee	Rs. 7250/- P/3 Cr. Hrs. per semester
Library	Rs. 700/- per semester
Lab/Computer charges	Rs. 2000/- per semester
Library security	Rs. 2500/- refundable
Caution Money	Rs. 2000/- refundable
Research Fee	Rs. 13400/- per semester

Note: Only applicable after confirmation of admission in PhD by the university. Thesis evaluation fee and any other charges will be as per AIOU rules.

The University reserves the right to change the fee tariff for the coming semesters. This can be done without any prior notice as deemed fit for the expected expenditure which is to be incurred on the semester based academic and operational activities of the programmes

B. MS Community Health and Nutrition (Minimum 2 years and maximum 5 years)

MS Community Health and Nutrition is a value added degree for health professionals, it is a professional course for those who already have sound knowledge of Food and Nutrition and are working as Dietitians/ Nutritionists in Health Organizations.

1. Objectives

The objectives of the programmes are given as under:

- To promote the profession of Community Health, Nutrition and Dietetics.
- To provide opportunities to medical professionals to enrich their education in the field of nutrition and enhance their knowledge in this branch of preventive health.
- To provide guidance/educational opportunities to in-service dietitians and other health professionals engaged in planning and serving hospital meals.

2. Salient Features

Development of this programme was initially facilitated by Kings College, London, U.K. in terms of scheme of studies, course contents and write up of the study material. The study centers are established at local teaching hospitals and related institutions at Islamabad/Rawalpindi, Lahore, Karachi, Faisalabad, Peshawar and Multan. Study centers in regions are established on the availability of viable group in the host regions. Qualified tutors in the related disciplines are identified and appointed from these institutions for providing necessary guidance to the students of MS in Community Health & Nutrition.

3. Eligibility

Sixteen years of schooling or 4 years of education (130 credit hours) after HSSC/FSc/Grade 12 equivalent in the relevant discipline. **Admissions will be made according to the criteria laid down by Higher Education Commission (HEC) for MS programmes.** Following degree holders are eligible for admission in this programme.

- Bachelor of Medicine and Surgery (MBBS)
- BS/ MSc Food & Nutrition (Home Economics)
- BS/MSc Human Nutrition
- Bachelor of Dentistry and Surgery (BDS)
- B/D-Pharmacy
- BS/BSc (Hons) Food Technology.
- MSc Public Nutrition

4. Admission/Registration Procedure

For Fresh Candidates

- Although the University offers admission twice a year i.e. Autumn and Spring, but admission to new students of this discipline is advertised only once a year i.e. in Autumn semester. A student will be generally allowed to register for a maximum of 12 credit hour courses to be offered in each semester. See Section No. 7 for semester wise course offering for MS Community Health & Nutrition.
- Students will have to submit their admission form either online or through registered post to the parent department at the given address.
- Admission forms prescribed for the programme will be entertained only.

- Incomplete admission forms will not be entertained in any case. Selection of candidates in the programme will be made strictly on basis of merit against a limited number of seats.
- Candidates are required to send complete admission form along with attested copies of all academic certificates, testimonials at the following address before closing date mentioned in the advertisement.

Chairperson

Department of Environmental Design, Health &
Nutritional Sciences

, Block-6, Allama Iqbal Open University, H-8, Islamabad

Phone: 051-9057741, 9057743, 9057265, 9057748

Email: anjums41@hotmail.com

- Only those candidates who qualify admission criteria will be informed about their selection.
- On receipt of admission offer a candidate is allowed to pay dues (as detailed in fee section) within due date as per procedure mentioned in the intimation letter.
- The study material inclusive of text books, assignments, tutorial schedule and reference material is mailed to the students.

For Continuing Students

The admission for the semester Spring and Autumn are offered in the month of February and August respectively. The continuing students will be sent computerized admission forms. However, if for any reason a student does not receive the computerized form, he/she may continue the Programme by submitting fresh admission form. Continue admission form can also be downloaded from university's website (www.aiou.edu.pk). The rest of the prevalent terms and conditions are applicable to all fresh and continuing students.

5. Admission Criteria

Students will have to pass the test and interview organized by the university as per HEC rules and regulations.

6. Scheme of Studies

MS Community Health & Nutrition Programme

Duration : Minimum four semesters (two years)
 Credit hours requirement : 36 Credit hours
 Course Work : 24 credit hours
 Research / Thesis : 12 credits hours

After the completion of course work, the students will be allowed to undertake research work in the community or in laboratories at AIOU. Student at distance can use PCSIR Labs or Food Science & Nutrition Laboratory of local teaching institutions or other scientific institutions to be approved by the University. Minimum duration for submission of thesis is two semester (One Year).

7. Offering

Proposed scheme of studies for MS Community Health and Nutrition.

SEMESTER-WISE OFFERING OF COURSE (MS)

1st Semester

Sr No.	Course Code	Title of course	Credit Hours
1	7581	Hospital Dietetics	3 (2+1)
2	7582	An Introduction to Human Nutrition	3 (2+1)
3	7583	Functional Foods and Nutraceuticals	3 (2+1)
4	7584	Biostatistics for Public Health	3 (2+1)

2nd Semester

Sr No.	Course Code	Title of course	Credit Hours
1	7765	Research Methods	3 (2+1)
2	7585	Applied Human Nutrition	3 (2+1)
3	7586	Food Analysis	3 (2+1)
4	7761	Community Nutrition	3 (2+1)

3rd Semester

Sr No.	Course Code	Title of course	Credit Hours
1	1780	Research Thesis	12

4th Semester

Sr No.	Course Code	Title of course	Credit Hours
1	1780	Research Thesis	12
Total Credit Hours			36

List of elective courses for MS (CHAN):

Department can replace any of the above courses with following courses depending upon the facilities and expertise available at the time of admission.

Sr. No.	Course Code	Title of Course	Credit Hours
1.	1776	Dietetic Practice	3 (2+1)
2.	1779	Computer Applications in Food and Nutrition	3 (2+1)
3.	7587	Nutritional Epidemiology	3 (2+1)
4.	7588	Food Safety	3 (2+1)
5.	7764	Food Biotechnology	3 (2+1)

Note: A student failing to opt any course in any particular semester amongst the courses offered in that semester will have to wait for at least one semester in order to get admission in that particular course since all the courses are being offered on alternate basis.

8. Medium of Instruction

English is the medium of instruction and expression for the entire course work.

9. Instructional Methodology

Allama Iqbal Open University employs media mix methodology of instruction in which study material in the form of practical book/notes/study manuals is supported with non-broadcast audio-visual programmes and face to face teaching & guidance. In view of the special requirements of Health and Nutrition Postgraduate studies, the following combination of media mix is being used.

a. Course Books

The University provides soft copies of course books on CDs or online for postgraduate programmes.

b. Face to Face Student Teacher Contact

27 hours face to face student teacher contact for each of three credit/four credit hour courses are arranged in the afternoon at local teaching institutions. Seventy percent attendance in these lecture sessions is compulsory.

c. Course Workshops

Workshops at MS level will be conducted at AIOU main campus. There will be two workshops of face to face teaching/research work of 15 days in each semester. Attendance in these workshops is compulsory.

A workshop has lectures of eminent subject experts' student's presentations based on the field/community work followed by discussion on each presentation. A student failing to attend any workshop is generally declared fail in final result. AIOU does not bear any cost incurring on boarding/ lodging or TA/DA during the workshops. The students are required to make their own arrangements for their stay during the workshops. A student's hostel within the campus also provides accommodation facilities at nominal charges on first come first serve basis.

d. Practical Work

Three days practical training workshop for lab based courses are arranged in the local teaching institutions like PCSIR, NIH, PARC and Food & Nutrition Labs at AIOU towards the end of the study period during which practicals are conducted and demonstrations by the subject experts are arranged.

During the study period the students are required to complete their community/field work and submit their mini-research reports to their respective tutor on the prescribed format.

e. Research and Thesis

During the second semester of MS the student will be required to submit the topic of the research. The topic of research and supervisor will be allocated to the student after approval from the Board of Research Proposal Committee (RPC). In case the thesis submitted by the student is found to be a plagiarized version of another local or foreign research/thesis at any stage his/her candidature shall be cancelled and the student shall be debarred forever from admission to any programme of the University.

f. Viva Voce

After evaluation of the thesis by external expert, the student has to appear before a viva voce committee to defend his/her research and thesis.

10. Attendance

Attendance in teaching sessions and workshops is compulsory.

11. Assessment

Assessment procedure for MS courses will be 50% in each component. (Assignments & final examination, while course workshops will be compulsory).

Assessment will be done by two ways:

- a. Assignments (Continuous assessment): Two assignments for each of 3-credit hour course will be given in each semester and will be marked by the respective tutors. Twenty percent weightage will be given to the assignment whereas 10% to course workshops. These assignments will be marked and returned to candidates with the comments by tutors.
- b. Final Examination: Final examination will be held at the end of each semester. 70% weightage will be given to final examination.
- c. Passing Marks
50 % Final Exam.
50 % Continuous Assessment
50 % in Aggregate
- d. Distribution of marks in different components of assessment.
 - a) Continuous assessment 30%
 - Assignments 20 %
 - Course workshop 10 %
 - b) Final Examination 70 %

The grade will be determined as under

Grade A	80 % or above
Grade B	65 % to 79 %
Grade C	50 % to 64 %
Fail	Below 50 %

12. Fee Tariff:

Registration Fee:	Rs.200/- (at the time of first admission)
Admission Fee:	Rs.1000/- (once at first admission)
Technology Fee:	Rs.150/- (per semester per student)
Course Fee (for 03 credit hrs)	Rs.3,290/-
Fee for Lab based practicals	Rs. 2,460/-
Thesis Fee (3 rd and 4 th semester)	Rs.25,660/- (each semester)
Thesis Evaluation Fee	Rs.26, 460/-

1st semester

Registration Fee:	Rs.200/-
Admission Fee:	Rs.1000/-
Technology Fee	Rs.150/-
Fee for Four Courses	Rs.3290 × 4=Rs.13160/-
Fee for one Lab based practicals	<u>Rs.2460/-</u>

Total: 16, 970/-

13. PROCEDURE OF DEPOSITING THE FEE

The University has introduced a special method for depositing the fee and admission form for the convenience of the students. For making the process more consistent and effective, the University has entered into a formal agreement with the National Bank of Pakistan, Bank Alflah Limited, Allied Bank Limited, Muslim Commercial Bank Limited and the First Women Bank Limited. According to this agreement, the students can deposit fee through bank challan forms at any branch. The bank branch will issue receipt for depositing the admission form and fee. This process will give relief to the students from making bank drafts and maintaining the record of the draft copy. It will also save the additional expenditure on draft making and mailing the admission form to the University. Most important thing is that the students and the University will have no fear of losing the admission form in transit. Instead, the admission forms and fee will reach the admission department safely and in time.

Note: Only selected students will be intimated for depositing fee. No fee is required with admission form. Admission form complete in all respect must be sent on the following address:

Prof. Dr. Nomana Anjum
Chairperson,
Department of Environmental Design, Health and
Nutritional Sciences
Block No. 6, AIOU, Sector H-8, Islamabad.
Phone: 051-9057743, 9057748, 9057741, 9057265
Email: anjums41@hotmail.com

14. ATTAINMENT OF CERTIFICATE/DEGREE

On successful completion of the programme the student will have to apply to the Controller of Examination for the issuance of Diploma/Degree.

15. Important Addresses /Telephone Numbers (Academics)

1. **Prof. Dr. Nomana Anjum**
Chairperson
(Environmental Design)
anjums41@hotmail.com
051-9057742, 051-9250063
2. **Dr. Hajra Ahmad**
Associate Professor
(Food & Nutrition)
hajra5@hotmail.com
051-9057743
3. **Dr. Zaheer Ahmad**
Associate Professor
(Food Bio-Technology)
zaheer_863@yahoo.com
051-9057265

4. **Dr. Mahpara Safdar**
Assistant Professor
(Human Nutrition)
Email: mahpara.jadoon@gmail.com
051-9057748
5. **Dr. Farooq Mustafa**
Assistant Professor
Env. Sci and Engineering
Farooqmustafa27@gmail.com
6. **Syed Shahzad Shah**
Lecturer (on study leave)
(Food Technology)
Email: shahzad_68@hotmail.com
051-9057748
7. **Ms. Asma Afreen**
Lecturer
(Food and Nutrition)
Email: asmahhs@gmail.com
051-9057741
8. **Mrs. Rabeea Zafar**
Lecturer (on study leave)
(Environmental Design)
Email: zafar_rabeea@yahoo.com
051-9057746
9. **Ar. Nazia Iftikhar**
Lecturer
Environmental Design
Email: nazia07arch@yahoo.com
051-9057744

10. **Ar. Omar Shujat Bhatti**
Research Associate
Environmental Design
Email: architectomershujat@gmail.com

Adjunct Faculty Members

1. **Dr. Rezzan Khan**
Consultant Nutritionist
Head of Nutrition & Dietetics Department,
Shifa International Hospital,
H-8/4, Islamabad
2. **Dr. Naghmana Akhtar**
Associate Professor
Department of Home Economics,
F.G College for Women,
F-7/2, Islamabad
3. **Prof. Dr. Asif Ahmad**
Department of Food Technology
PMAS-Arid Agricultural University,
Rawalpindi
4. **Prof. Dr. Tariq Baqai**
(Gastroenterologist)
Islamic International Medical College,
Railway Hospital, Westridge,
Rawalpindi.

Support Field Staff

Mrs. Shamim Ayub
Lady Health Worker (Field)
Department of ED, H & N Sciences
AIOU, Islamabad.
Phone 051-9057745

DEPARTMENT OF STATISTICS

Introduction:

The Department of Statistics was established in 1988 in the faculty of Sciences, Allama Iqbal Open University. Since then, the faculty and students have shared a common goal of maturing the Department with sheer hard work and constant struggle. Statistical sciences have significant impact on our lives and are a key to discoveries and innovation. Over the time, with concerted efforts, the Department has grown to its full potential and is vigorously involved in participating towards global efforts of driving a new era of growth, development and productivity. Since, our world is becoming more quantitative and data-focused, job opportunities in statistics are plentiful and projected to increase worldwide. Therefore, the alumni of the department of statistics have been working in various government departments and private sector.

The vision of Department is to impart quality education that focuses on collaborative learning through innovative teaching and research methodologies. It aims to create an environment that enables students to effectively engage in making lasting contributions in diverse fields according to rapidly changing demands of not only the home country but the entire globe. The Department is determined to further develop a state of the art model of learning and research, which will benefit the masses across the board.

Academic Programmes

Department of Statistics offers the following degree programmes. All these programmes are approved by Higher Education Commission, Islamabad.

- PhD Statistics
- MPhil Statistics
- MSc Statistics
- BS (4 years) Statistics

All the courses and programmes are designed to meet the challenging statistical needs in life sciences, information technology, social sciences and other allied disciplines. The course outlines of all level courses have been designed and updated recently after consulting syllabi of national and international universities. It helps to strengthen the statistical concepts and logical thinking among our students.

Presently, these degree programmes are offered at main campus only. However, in near future, the Department also intends to offer degree programmes at regional headquarters.

PhD Statistics

a) Introduction:

To meet the challenging requirements of today's fast growing world, we are in desperate need of experts in the field of Statistics. By realizing the shortage of experts in Statistics, the Department of Statistics has planned to offer PhD in Statistics. The expert statisticians are not only needed in the area of education, but also in industry and research. The curriculum of the programme is designed in such a way that both the course work and the research components are covered thoroughly.

b) Objectives:

The main objectives of PhD Statistics programme are:

1. To enhance the qualification of those who could not continue their education after MPhil Statistics.
2. To provide opportunity for in-service persons to improve their qualification and get promotion in their respective departments.
3. To prepare quality teachers/researchers of Statistics at all levels or in equivalent positions in industry or government.

c) Eligibility:

The candidates must have MS/MPhil Statistics with minimum 3.0 CGPA (in semester system) or First Div. (in annual system).

Departmental Admission Committee will finalize the admissions after conducting the test and interview as per AIOU rules.

d) Duration:

The minimum duration of PhD Statistics programme is 3 years (6 semesters). Student has to complete 30 credit hours for the award of PhD Degree.

e) Scheme of Studies:

Code	Title	Credit Hours
1st Semester		
4769	Advanced Topics in Regression and Econometrics	3(3+0)
-	Elective-I	3(3+0)
-	Elective-II	3(3+0)

2nd Semester

4770	Advanced Topics in Statistical Inference	3(3+0)
-	Elective-III	3(3+0)
-	Elective-IV	3(3+0)

3rd Semester

4768	Research Thesis	12(12+0)
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4th Semester

4768	Research Thesis	12(12+0)
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5th Semester

4768	Research Thesis	12(12+0)
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6th Semester

4768	Research Thesis	12(12+0)
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Elective Courses:

Following is the list of elective courses for PhD Statistics:

Sr. No.	Course Title	Course Code	Credit Hours
1	Survival Analysis	4761	3(3+0)
2	Bayesian Inferential Statistics	4762	3(3+0)
3	Stochastic Processes	4763	3(3+0)
4	Measure Theory	4765	3(3+0)
5	Response Surface Design	4766	3(3+0)
6	Recent Developments in Statistics	4767	3(3+0)
7	Actuarial Statistics	9751	3(3+0)
8	Statistical Theory for Extreme Events	9752	3(3+0)
9	Mixture Distributions	9753	3(3+0)
10	Applied Time Series Econometrics	9754	3(3+0)
11	Spatial Data Analysis	9755	3(3+0)
12	Generalized Logistic Regression	9756	3(3+0)
13	Repeated Measure Analysis	9757	3(3+0)
14	Multilevel Modeling	9758	3(3+0)
15	Mathematical Demography	9759	3(3+0)

The Department of Statistics will offer elective courses from the above list depending upon the availability of faculty.

f) Fee Tariff:

Tuition Fee:	Rs.6150/- (3 Cr.Hrs)	Rs.18,450/- (9 Cr. Hrs)
Registration fee: (At first admission)	Rs.2,400/-	Rs.2,400/-
Technology fee: (per semester)	Rs.150/-	Rs.150/-
Admission fee: (At first admission)	Rs. 2,500/-	Rs. 2,500/-
Security Fee:	Rs.2,000/-	Rs.2,000/-
First Semester Fee		Rs.25,500/-

g) Instructional Methodology:**Study Material:**

A book for each course will be provided to the students by the university. A list of recommended books will also be given for further reading.

Face to Face teaching (Tutorials):

For each course, 45 hours face to face teaching support will be provided through workshops/weekend classes. The final schedule of the lectures will be distributed to the students in consultation with the teachers (resource persons). The classes will be supplemented by the computers where required. 70% attendance in face to face teaching would be compulsory.

Continuous Assessment:

- Two home-assignments for each course will be given to the students.
- Two sessional exams/presentations for each course will be conducted and 50% marks in sessional exams/presentations is mandatory to appear/qualify for final examination.
- 30% weightage will be given to the assignments/sessional tests/presentations.
- A student who fails in continuous assessment component is not eligible appear in final exam but will be allowed to re-register for the same course at the next offering by the university, if eligible.

Final Examination:

Final Examination will be held at the end of each semester. 70% weightage will be given to the final examination.

Passing Marks:

Assignments/Sessionals	50%
Final Examination	50%
Aggregate	50%

Comprehensive Examination:

The students completing the PhD course work shall be allowed to appear in Comprehensive Examination arranged and conducted by the Department as per rules of the Higher Education Commission (HEC). Only those candidates who pass the comprehensive examination will be allowed to continue with their PhD research work and attend the two week synopsis workshop after depositing the required fee.

Thesis:

The student will be required to submit a research proposal (synopsis) to the department during the Synopsis Orientation Workshop. One month before the specified date for final submission of thesis for external evaluation, the student has to present his/her research work to the departmental committee.

Viva Voce:

After approval of the thesis by the external examiners, the student has to appear before a viva-voce committee to defend his/her thesis.

Note: Please send your admission form complete in all respect on the following address:

**Chairman,
Department of Statistics,
Ground Floor, Block No. 7,
Allama Iqbal Open University,
Sector H-8, Islamabad
Ph. No. 051-9057266, 051-9250062
Email: statistics@aiou.edu.pk**

For further clarification/guidance, please feel free to contact on the following address.

FACULTY MEMBERS:

1. **Prof. Dr. Irshad Ahmad Arshad**
Chairman
Ph: 051-9057163, 9250062
Email: irshad.ahmad@aiou.edu.pk
2. **Dr. Muhammad Zakria**
Associate Professor
Ph: 051-9057372
Email: zakria@aiou.edu.pk
3. **Dr. Zahid Iqbal**
Associate Professor
Ph: 051-9057266
Email: zahidstat@yahoo.com
4. **Dr. Tauqir Ahmed Mughal**
Assistant Professor
Ph: 051-9057209
Email: tauqirahmed1@outlook.com
5. **Dr. Yameen Danish**
Lecturer
Ph: 051-9057266
Email: yameendanish42sb@yahoo.com
6. **Mr. Muhammad Mushtaq**
Research Associate
Ph: 051-9057287
Email: muhhammad.mushtaq@aiou.edu.pk
7. **Staff Phone:**
Ph: 051-9057266

DEPARTMENT OF PHYSICS

Introduction:

Realizing the need of technology and scientific education in Pakistan Department of Physics at AIOU began in 1998 with technological needs in areas like Energy, Energy Efficiency, Climate, Energy for Sustainable Development, Renewable energy, Hydrogen Energy, Environment, astronomy, nanotechnology, materials science, Plasma, Medical Physics, Cosmology, Geo Physics, Density Functional Theory (DFT), and nuclear fields. A major emphasis of current research activities are on promotion in renewable energy and related areas in which the Department have led to innovations.

The Department is presently running BS 4 years, MSc, MPhil & PhD degree program with specialization in various disciplines. New fields of specialization and programme of studies are approved and be operational from the next academic year. Apart from capacity development activities Department of Physics has been involved in several international, national and regional research projects. Physics Deptt has developed research linkage with other National and International Universities and research organizations of repute to ensure two-way flow of knowledge.

Vision:

The Department of Physics carries out Physics and provides teaching and research programmes that will contribute significantly to the development of human capacity, science and technology in Pakistan. Our vision is to see our graduates and postgraduates to be equipped with the fundamental knowledge of Physics, problem solving, life and communication skills. This will be achieved by reviewing and developing relevant academic programmes and research and research projects to address Pakistan technological needs in areas like Energy, Renewable energy, Hydrogen Energy, Environment, Astronomy,

Nanotechnology, Materials science, Plasma, Medical Physics, Cosmology, Geo Physics, Density Functional Theory (DFT), and Nuclear Physics. Our vision is to be a locally and internationally recognized Physics Department that exposes its successes in public awareness campaign and through established knowledge dissemination channels.

Mission:

The Department of Physics at AIOU becomes a nationally and internationally recognized research and educational unit. Our faculty strives to push the boundaries of our understanding in a wide variety of fundamental and applied Physics areas while providing the best research opportunities for our majors. The blending of classroom learning with training in XXI Century front-edge research facilities allows our graduates post graduates to become successful researchers, teachers and applied scientists in nowadays-competitive marketplace. At the same time, we are fully committed, as the physics department of the major research university in our border region, to contribute to the general public appreciation and respect for the scientific work and knowledge.

Core Values:

To Perform to the highest levels of competence and professionalism in research and training, acting with utmost honesty and integrity To sensitivity to staff and student welfare while instituting measures that meet the need of all stake holders Advance knowledge and technologies Generate, preserve and disseminate knowledge and be involved in the development of innovative products Cherish academic freedom, nurture and reward talent. The Department aspires to be an effective agent of change and a model for the other Department in the field of research so as to meet the grooming demands of the new millennium.

The focus on area of specialization in DOP at AIOU in on the following areas:

Energy, Energy Efficiency, Energy Conservation, Energy for Sustainable Development, Electric power system Management, Energy Economics and Planning Renewable energy, Hydrogen Energy, Environment, Climate change, Astronomy, Nanotechnology, Materials science, Plasma, Medical Physics, Laser and Optics, Cosmology, Geo Physics, Density Functional Theory (DFT), Modeling and Simulation and Nuclear fields.

PhD Physics Program

1. Duration of the Programme:

The minimum duration for the Direct PhD programme shall be six semester (03 years) and maximum duration of the programme shall be ten semesters (05 years). Student will to take complete course work in first two semesters & then carry out research work in last four semesters. Students have to complete 18 credit hours course work and 24 credit hours research work. Minimum period for the completion of course work shall be two semesters (one year) and maximum four semesters (two years).

2. Admissions Prerequisites:

This is for the information of all concerned, that the degrees awarded by the universities/Degree Awarding Institutions must meet the following minimum criteria for the recognition by the HEC.

- a) For admission into PhD, minimum **CGPA 3.0** (out of 4.0 in the semester system) or **First Division** (in the annual system) in MPhil Physics/MS/Equivalent degree is required.
- b) Admission will be made as per HEC criteria.
- c) All rules of BASR/AIOU/HEC regarding PhD will be applied.
- d) Qualifying **Departmental Test** and **Interview** is mandatory for PhD Admission.

- e) **Two reference letters, consent letter of supervisor and research proposal** is mandatory for admission.

3. Scheme of studies:

3 compulsory courses (each of 3 credit hours) will be offered in the 1st semester and the remaining 3 optional courses will be opted by the students in the 2nd semester from the list given below. Each course is of 03 credit hours. Any of the following optional courses of 03-credit hours will be offered according to the availability of qualified teachers and research facilities.

Approved Course offering:

Course work during first year or 1 st & 2 nd Semester	18 Cr.Hrs
Thesis/ Project / Dissertation during second year or 3 rd , 4 th 5 th & 6 th semester	24 Cr.Hrs.
Total credit hours required for completion	42 Cr.Hrs

Semester 1 (Compulsory)

S.#	Title	Code	Cr.Hrs
1	Advanced Mathematical Physics	9701	03
2	Experimental Techniques in Physics	9702	03
3	Renewable Energy Resources	9706	03

Semester 2 (Optional)

(Courses will be offered depending on the needs and availability of the experts, out of which the student will opt only three)

1	Advanced Semiconductor Physics	9703	03
2	Statistical Physics	9704	03
3	Environmental Physics	9705	03
4	Hydrogen Energy Technology	9707	03
5	Energy Audit and Thermal Energy Conservation	9708	03
6	Energy Resources and Technologies	9709	03
7	Research Methods & Techniques	9710	03
8	Magnetism & Magnetic Materials	9711	03

9	Particle Physics	9712	03
10	Medical Physics	9713	03
11	Material Science	9714	03
12	Nano Science & Nanotechnology	9715	03

Semester 3(Research)

Thesis 9700 6+0

Semester 4(Research)

Thesis 9700 6+0

Semester 5(Research)

Thesis 9700 6+0

Semester 6(Research)

Thesis 9700 6+0

4. Method of Instruction:

Allama Iqbal Open University employs media mix as methodology of instruction in which printed material, CDs and face-to-face tutorial support are mixed in accordance with the requirement of the discipline and the level of the course. Medium of instruction for this programme is English. In view of special requirements of post-graduate studies in Physics the following methodology of instruction will be followed.

i) Study Material

The University will provide reprinted and compiled course books or CDs.

ii) Assignments (Quiz/Test/Presentations/Assignments)

Assignments / Quiz / Presentation for each 03 credit hrs course will be given. Students will complete the tasks within the semester. The marks obtained in these assignments contribute to the final course result. For successful completion of the course it is imperative to obtain a minimum of 50% marks in each assignment. Students failing in the continuous assessment will not be eligible to appear in the final examination.

iii) Tutorial Support

Tutorial support will be provided in the form of lectures by resource persons at the Campus. A minimum of 45 hours of face-to-face teaching/guidance for each 03 credit hour course (AIOU Description), will be provided in these tutorials. Attendance in these sessions is compulsory. Students failing to attain 70% attendance will not be eligible to appear in the final examination. AIOU will not bear any cost regarding TA/DA or boarding/lodging facilities during these classes.

iv) Final Examination/ Continuous Assessment

At the end of each semester, the University will arrange final three hours written examination in each course for the PhD program. It is imperative to obtain 50% marks in the final examination to pass in each course. The roll number slips and other relevant information related to examination centre will be provided to the students before the exam.

The distribution of continuous assessment and final examination will be as follows:

Assessment:

The distribution of continuous assessment and final examination will be as follows:

Assignments Weightage (Quiz/ Test/Presentations/ Assignments)	20%
Attendance	10%
Final Examination	70%
Aggregate	50%

v) Course Work:

Tutorial support will be provided in the form of lectures by resource persons at the campus. A minimum of 45 hours of face-to-face teaching for each three credit hours will be provided in these lectures. Attendance in these sessions is compulsory.

vi) Thesis (Research Work)

PhD students will carry out research work for two years at any relevant scientific institution located near to the residence or place of appointment under the supervision of a scientist of the concerned institution. The selection of the project and the supervisor will be at the discretion of AIOU and the institution where research is being carried out. Each student will submit quarterly report duly signed by the thesis supervisor on the research work performed to the coordinator.

ix) Comprehensive Examination:

The students completing the PhD course work shall be allowed to appear in the comprehensive examination arranged and conducted by the concerned department as per rules of HEC. The pass percentage in comprehensive examination shall be 50%. No grade will be awarded to the student, only pass or fail will be reflected in the result Performa.

x) Synopsis Orientation Workshop:

Duration of synopsis orientation workshop shall be of two weeks. Synopsis of only those students will be presented in research proposal committee meeting for final approvals who have attended the synopsis orientation workshop.

xi) Research Paper during Research Period:

The student of PhD Physics Program will present at least two presentations in Seminars during his research work in the presence of external examiner, as mandatory to their completion of their research degree.

xii) Approval of Thesis:

On completion of research work, the student will have to submit thesis to the Department for evaluation and defense as per format of the University. Minimum period for completion the thesis after successful completion of course work will be two semesters (one year) for PhD Physics Program. For experimental research work, the period to be spent for conducting experiments in the laboratory will be decided by the supervisor.

5. Grading:

The Grade for PhD Physics will be determined as follows:

Grade-A	80% or above
Grade-B	65% to 79%
Grade-C	50%to 64%
Fail	Below 50%

6. Fee Tariff:

Admission fee: (Once at first admission)	Rs.2500/-
Registration fee: (Once at the time of admission)	Rs. 2400/-
Course fee: (for each 3 credit hours courses):	Rs.5360/-
Thesis fee: per credit hrs (24 credit hrs)	Rs. 42,840/-
Thesis Evaluation fee:	Rs.21, 420/-
Technology fee: (Per student per semester)	Rs. 135/-

7. How To Pay The Fee:

The admission in this programme is purely on merit basis. No fee is to be paid unless intimated by the university. The fee is to be deposited through Challan Form (only) in the specified branches of Banks in Main campus of AIOU Islamabad, on the day of admission. The candidate will write his name (in block letters) full address and MPhil Physics Programme and semester on the Challan Form attached. Please keep a photocopy of the from & the fee slip for record.

8. Traveling & Boarding/Lodging Expenses :

The AIOU does not have lodging and boarding facilities at the moment except at main campus Islamabad. Hostel facility is available in the main campus .If required, students will have to arrange lodging and transport by themselves. AIOU will not bear any cost in this regard. The fee does not include charges for boarding lodging and transport. Hence the University does not have any liability in this regard.

9. **Financial Assistance:**

Limited financial assistance is available to deserving students who shall apply on the prescribed AIOU forms supported with justifiable documentary proofs available after admission during the 1st semester. Financial assistance will be considered from the 2nd semester

10. **Information Regarding Admission:**

- i. Announcement for admission will be made in the leading newspaper of the country.
- ii. The prospectus including admission form can be obtained from the regional offices or admission department of AIOU. The candidates are required to send complete admission forms along with the attested copies of all educational certificates at the following address, before closing date mentioned in the advertisement.

Prof. Dr. Syed Zafar Ilyas,

Chairman / Coordinator,

Department of Physics,

Science Block, 1st Floor, AIOU, Sector - H-8, Islamabad.

Email: szilyas@aiou.edu.pk

- iii. Only the prescribed printed admission forms will be entertained. Photocopy of the forms will not be accepted. Incomplete forms will not be entertained in any case.
- iv. Admission in PhD Physics will be granted against limited seats strictly on the basis of merit and as per criteria laid down by the deptt. The University reserves its right not to start this Program if a viable group of students is not formed.

11. **Faculty Members: (Department of Physics)**

1. **Prof. Dr. Syed Zafar Ilyas,**

Chairman

Phone # 051-9057830, 051-9250066

2. **Mr. Ather Hassan**

Assistant Professor,
Phone # 051-9057214

3. **Dr. Surayya Mukhtar**

Assistant Professor,
Phone # 051-9057184

4. **Dr. Tariq Jan**

Assistant Professor,
Phone# 051-9057214

5. **Ms. Hareem Mufti**

Lecturer,
Phone # 051-9057727

6. **Mr. Abdul Jalil**

Lecturer,
Phone # 051-9057214

7. **Ms. Uzma Nosheen**

Lecturer,
Phone # 051-9057727

8. **Mr. Hussain Ahmed**

Research Associate,
Phone # 051-9057214

9. **Muhammad Imran**

Laboratory Assistant
Phone # 051-7728

10. **Ms. Zeba Sultana**

UDC
Phone # 051-9057728

11. **Mr. Shakirullah**

Laboratory Assistant
Phone # 051-9057728

12. **Amjad Satti**

Laboratory Assistant
Phone # 051-9057728

13. **Muhammad Aman**

Laboratory Assistant
Phone # 051-9057728

FACULTY OF SOCIAL SCIENCES AND HUMANITIES

First established in 1981 with five departments, the Faculty of Social Sciences and Humanities has, over the years, flourished to become, by far, the largest Faculty of the University. It, today, consists of fourteen departments offering masters programmes in major areas of Social Sciences and Humanities like, Business Administration, Economics, Mass Communication, Sociology, Gender and Women Studies, Urdu, Library & Information Sciences, History, Pakistan Studies, and Teaching of English as a foreign Language (TEFL). Additionally, efforts are afoot to plan and launch post-graduate programmes in Pakistani Languages and Law. The Commonwealth-collaborated master's programmes in the areas of Business and Public Administration, which are the specially tailored for the modern day busy executives, were launched in Spring 2002 semester.

In tune with the government's policy of promoting and strengthening a culture of higher education and research in the country, the AIOU's Faculty of Social Sciences and Humanities has shown a lot of dynamism over the past few years. It has launched MPhil/PhD programmes in Iqbaliat, Urdu and Mass Communication, Pakistani Languages, MPhil in Economics, History and Pakistan Studies. MS in Business Administration, while preparation are being made to launch PhD in Business Administration, Applied Linguistics and History.

The Faculty of Social Sciences & Humanities also offers several bachelors' level programmes in such professional areas like Bachelors in Library & Information Sciences (BLIS), BS-Business Administration, BS-Commerce and Mass Communication. Thousands of students comprising all

demographic grounds from all over the country, enroll each year in these bachelor's level programmes.

The Faculty has expanded vitally and its programmes have gained a high popularity as is clear from rapidly rising trend of enrolment during the past decade. During the mentioned period under report, the Faculty accorded high priority towards quality improvements and to modify its programmes in accordance with the current challenges of 21st century.

The Faculty proposed to launch Post-Graduate programmes in the disciplines of Political Science and International Relations, Psychology, Public Administration and Social Work.

DEPARTMENT OF MASS COMMUNICATION Introduction

The Department of Mass Communication was established in 1986 for fulfilling the educational needs of students, working journalists and media persons at various levels. The Department offered its specialized BA cluster programme in Mass Communication in 1988. It was the first ever bachelor's level programme in Mass Communication offered in the country. Students across the country are taking interest in the programme. In 1997 the Department started its MSc Mass Communication Programme. Keeping in view the trend of students in studying the phenomenon of Mass Communication, the Department launched advanced studies of MPhil in Mass Communication in 2000. The MPhil programme imparts the knowledge of evolution and advances in mass communication theory and research, sociology of mass media, and the methods of behavioural research in social sciences.

The Department resumed offering of its PhD Programme in semester Autumn 2014. The main objective of the programme is to enable students to understand and explain the dynamics of the social phenomena of mass communication in Pakistani society,

especially to enable them to independently investigate the contents, uses and effects of mass media in society.

In addition to the above degree programmes, the Department also offers Post Graduates Diploma (PGD) and certificate courses in Journalism, such as Advertising and Public Relations in the University’s Short Term Educational Programmes (STEPS).

MPhil Mass Communication

MPhil scheme in Mass Communication comprises twenty four (24) credit hours of course work and twelve (12) credit hours of research project/thesis. The course work consists of Evolution of Mass Communication Research, Mass Media and Society (I & II), Foundations of Behavioural Research (I & II), Theories of Influence on Media Content and Media Effects and Advances in Theory and Research (I & II). This programme will make students learn the social phenomena of Mass Communication and urge them to independently investigate the mass media effects on society.

1. Duration of MPhil Programme

The minimum duration of M Phil Mass Communication is two years (four semesters) and the maximum duration shall be five years (10 semesters).

2. Eligibility for Admission

The minimum entry requirement for admission to MPhil programme shall be Masters Degree in Mass Communication/ Journalism with second division from any recognized University.

1. Merit will be determined by the Department of Mass Communication according to the approved criteria.
2. Only short-listed candidates will be called for test/interview.
3. The Department enrolls limited number of students to the programme.
4. The Admission Department will inform the selected candidates for fee deposit.

3. Medium of Instruction

The medium of instruction and examination is English.

4. Scheme of Studies

There will be 24 credit hours course work and 12 credit hours of thesis. Details are given below:

5. Semester-Wise Course Offering

1st Semester

S. No.	Course Title	Code	Credit Hours
1.	Evolution of Mass Communication Research	6630	3
2.	Mass Media and Society-I	5761	3
3.	Mass Media and Society-II	5762	3
4.	Foundations of Behavioural Research-I	6632	3

2nd Semester

1.	Media Effects: Advances in Theory & Research-I	5763	3
2.	Media Effects: Advances in Theory & Research-II	5764	3
3.	Foundations of Behavioural Research-II	6634	3
4.	Theories of Influence on Mass Media Content	6635	3

3rd & 4th Semester

	Research Project/Thesis	6636	12
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6. Instructional Methodology

The following will be the instructional methodology:

i. Study Material

The university provides study materials during the first two semesters of course work.

ii. Workshop

There is a series of mandatory workshops in the beginning and end of each semester during the course work that provides an opportunity to the students to share their understanding of course content with fellow students. A special workshop is arranged during the third semester that requires students to develop and present draft proposals of thesis to the workshop participants.

iii. Assignments

Each course carries a maximum of 100 marks. There are two assignments for each 3-credit hours course. Assignments are written by the students after studying the required readings, recommended by the Department. These assignments are designed to enable them to relate their own ideas with the concepts covered in the required readings so as to facilitate the students in developing a thorough understanding of the subject. After completion, the students send these assignments on scheduled time to the tutor appointed by the university. The tutor returns the assignments to students after giving valuable comments, and marks.

iv. Thesis

A student is required to carry research work under the supervision of an advisor having PhD degree in the relevant field. There is an intensive workshop to discuss research proposals of the students.

7. Assessment System

Under Continuous Assessment (Assignments), a student has to submit Assignments to his/her tutor in the stipulated time mentioned in the assignment schedule. Passing marks of the assignments are 50 percent.

At the end of each semester, final examination will be conducted by the University for each Course. Students need 50 percent marks to pass the final examination; however, it is necessary for

the students to obtain an aggregate of 50 percent (assignments + workshop + final examination) in each course. The ratio of marks of assignments, workshop and final examination is 20:10:70 respectively. The summary of assessment system is given below:

Assessment Component	Total Marks	Passing Marks	Weightage
Assignment – 1	100	50	20%
Assignment – 2	100	50	
Students will have to attend compulsory course workshop at the end of semester having 10 marks for each course			10%
Final examination	100	50	70%
Total Marks			100
Aggregate Passing Marks			50

8. Viva-Voce

After evaluation of the thesis student has to appear for viva-voce before the Research Project Committee (RPC) to defend his/her work.

9. Instructions for Thesis

i. Registration in Thesis

Students will submit research proposal/synopsis to the Chairman, Mass Communication Department according to the university’s approved criteria. The Departmental Research Project Committee will recommend the students’ research proposals/ synopses to the VC (AIOU) for approval after thesis orientation workshop. The committee shall also recommend the name of supervisor for students’ research work.

- ◆ Thesis will be of 200 marks, (100 marks for evaluation of research work and 100 marks for oral examination.)
- ◆ The minimum period to complete the thesis is one year and the maximum period shall be two years provided the condition of maximum duration of five years shall not be affected. (Detailed information in this regard can be obtained from the Department on request).
- ◆ Students are advised to keep closely in touch with their respective supervisor and also with the Department for research activities and submit their progress reports to the Department intermittently.

ii. Thesis Evaluation Fee

Students will deposit fee in bank for thesis evaluation at the time of submitting the thesis to the Department.

iii. Plagiarization

In case a thesis is found to be a plagiarized version of some other thesis, research work, text, etc. published or unpublished, the student's candidature for M Phil shall be cancelled and he/she shall be debarred forever from admission to any programme of the university. In case the plagiarism is proved, after the award of M Phil degree, the degree shall be cancelled/withdrawn.

The M Phil degree shall be awarded after the positive reports of external evaluators of the research report and the successful defence by the student in viva-voce. The Dean will forward the report of the Viva-Voce to the Controller of Examinations for notification and award of the degree.

iv. Format of Thesis

The students will be required to observe guidelines regarding format, writing, referencing, paper quality and other related matters. (Detailed information in this regard could be obtained from the Department on request or the information on format will be provided during the thesis orientation workshop).

v. Research Candidacy

The Department will hold synopsis orientation workshop to identify the topic of research. The synopsis shall be prepared in accordance with the guidelines/format approved by BASR. The student shall submit a detailed research proposal in the third semester (after the completion of course work) and make a presentation before the Departmental Synopsis Committee.

Participation in the orientation workshop will be mandatory. The students shall be required to deposit the prescribed dues after approval of topic/symposia by the committee.

In case a student is not able to complete his/her research work during the minimum prescribed period of one year, he/she shall be required to pay fee equivalent to 3-credit hours per semester till submission of thesis for evaluation within the maximum time limit.

10. Fee Tariff

Registration Fee:	Rs.200/-
Admission Fee:	Rs.1000/-
Technology Fee + Courier Charges:	Rs.150/-
Course Fee (3- Credit Hours):	Rs.2940/-
Thesis Fee:	Rs.11700/-
Thesis Evaluation Fee:	Rs.4725/-

11. General Information

Photocopy of the admission form and incomplete forms will not be entertained.

Admission to MPhil Mass Communication will be granted against limited seats strictly on the basis of merit and criteria as approved by the university. The university reserves the right not to start this programme if a viable group of students is not formed.

Only the selected candidates will be informed about the result of the admission. On receipt of individual admission intimation, the student will deposit the required fee according to the procedure as laid down by the university in the admission intimation letter. Fee cannot be refunded once paid for admission nor can it be adjusted for any other programme. On payment of the registration fee, each student will be issued a registration number. The number must be quoted in all the future correspondence along with roll numbers, course(s) code numbers and semester. The students already having registration number need not to pay the registration fee. They should mention their registration number in the admission form.

During the semester the address of any student will not be changed, however, in real hardship, change of address will be considered if it is supported by a justifiable plea.

Rules, regulations framed, amended and changed from time to time by the authorities/bodies of the university will be applicable to all students. The students will have to abide by all such rules and regulations. These can be made available to students on demand.

It is the responsibility of the admitted students to remain in continuous contact with the department regarding academic activities of the programme. A student already enrolled to a programme or a specialization of a programme shall not be allowed to transfer his/her admission to another programme.

Admission to courses for the spring semester and autumn semester are generally offered in the months of February and August respectively. The continuing students are sent computerized admission forms. However, if for any reason, the student does not get the said form, he/she may get general admission form from any regional office of the university and send it to Director Admission of the university within the due date along with due fee deposited through bank challan slip.

12. Fee Depositing Procedure

Only on receipt of admission offer, the candidate would pay dues in accordance with the fee tariff as directed by the Admission Office.

13. How to Apply for Admission?

Candidates for M Phil are required to send complete admission forms along with attested copies of all educational degrees, certificates, and marks sheet at the following address before the closing date. Applicants who submit result card instead of degree/certificate will not be entertained. Incomplete admission forms will not be accepted.

Note: Admission form complete in all respect must be sent on the following address:

Chariman

Department of Mass Communication
Allama Iqbal Open University, Sector H-8, Islamabad.

For further guidance you may contact on the following numbers:

13. Faculty Members

1	Dr. Saqib Riaz Chairman / Associate Professor	051-9250076
2	Dr. Bakht Rawan Associate Professor	051-9057263
3	Mrs. Saadia Anwar Pasha Assistant Professor	051-9057283
4.	Dr. Shahid Hussain Assistant Professor	051-9057245
5.	Dr. Syed Babar Hussain Shah Lecturer	051-9057687
6.	Dr. Asad Munir Lecturer	051-9057172
7.	Office	051-9057824

DEPARTMENT OF HISTORY

PhD in History

1. INTRODUCTION

The Department of History was established in 1995 as part of the Faculty of Social Sciences & Humanities. The Department of History occupies a prominent place in Allama Iqbal Open University. The aim of the Department is to uphold that position while offering broad range of courses at the undergraduate, graduate and post graduate level across Pakistan. M. Phil Programme in History was launched in 2015, aims to provide rigorous training and preparation for doctoral studies. PhD Programme in History being as advance research degree, provides an opportunity for students to produce an original academic research in their area of interest. This programme aims to cater the needs of faculty members working at educational institutions and general public at large. The programme is structured on flexible instructional design that would enable scholars for attainment of knowledge, complete genuine research and be eligible for departmental promotions, in-service training, and research oriented jobs.

2. OBJECTIVES

- The major objective of the programme is to inculcate the sense of History and Historiography through research on local, regional and international History.
- The evolution in historical narrative stemming from historiography of Ancient Pakistan to British India (colonial India) from national politics to international, recognition of its social, cultural and indigenous features will be highlighted through specialized study courses.

- The endeavors of Muslim leaders during freedom struggle will be focused.
- The courses on Modern world will be taught to cope up with the global situation around.
- The scholars will be trained in art of writing history by participating in face to face dissertation-writing workshops.

3. ELIGIBILITY & PROCEDURE FOR ADMISSION

A candidate seeking admission in PhD Programme shall apply by filling up a prescribed admission form and submit to the Chairperson, Department of History after admissions announcement by the Allama Iqbal Open University.

The minimum entry requirements for admission to PhD (History) are:

1. MS/MPhil/ in History (18 years of education with research thesis) CGPA 3.0 out of 4.0 or 1st division (60% marks) with thesis is required.
2. The criteria of admission will be based on merit. A written test and interview will be conducted under the auspice of the Departmental Admission Committee, Department of History AIOU, Islamabad. The qualifying marks for the subject Test will be 70%.
3. A Merit list will be determined by the department according to the approved criteria.
4. All other rules and instructions applied by Allama Iqbal Open University from time to time will be applied.
5. A candidate will act as full time student of PhD program after depositing the prescribed fee (semester-wise) for the 1st semester of course work. In case of failure to deposit the fee as specified, the admission shall automatically be stand cancelled after due date. However, under real hardship cases, the Director of Admissions may extend the date of depositing fee further for two weeks.
6. Admission of PhD scholar will be notified by the Director Admissions after the receipt of admission dues.

4. DURATION OF THE PROGRAMME

Duration

The minimum duration of the PhD degree shall be six semesters (three years) and maximum duration shall be ten semesters (five years).

Course work

The minimum period for completion of PhD course work shall be two semesters (one year) and maximum of four semesters (two years) provided the maximum period of five years is not affected.

Thesis

The minimum period to complete PhD thesis after confirmation of candidature (date of meeting of BASR in which synopsis is approved) shall be three semesters. (Detailed information regarding thesis can be taken from the Department).

5. MEDIUM OF INSTRUCTION

The medium of instruction and examination will be English.

6. SCHEME OF STUDIES

The PhD in History Programme is comprised of 30-credit hours in total: 18 credit hours course work and 12 credit hours of research work.

Semester wise offering of courses is as under:

First Semester

S. No.	Course Title	Course Code	Credit Hours
1	British India (1857-1947)-I (A Study of Primary Sources)	7801	3
2	Research Methodology (Theory and Methods)	7802	3
3	History of Modern World since 1945 (China/Central Asia/Eastern Europe)	7803	3

Second Semester

S. No.	Course Title	Course Code	Credit Hours
1	Historiography: (Modern Trends)	7804	3
2	British India(1857-1947)-II (A Study of Urban Politics)	7805	3
3	History of Pakistan (1947-88)-I (Governance, Political Culture and Democracy)	7806	3

Third Semester

1	Synopsis Workshop (Compulsory) Dissertation	7810	12
Total Credit Hours			30

7. INSTRUCTIONAL METHODOLOGY

The following methodology will be adopted for launching/ coordinating of the PhD Programme in History. The outlines of courses along with the required reading material and assignments will be provided to the students during workshops by the Department.

a) Assignments

Assignments are those written exercises which students complete while being at their homes and places of work after studying their reading material and attending the course workshop organized by the Department. These are designed in a way that students are able to relate their readings with their own objective judgments. The students will send two compulsory assignments for each 3 credit hours course to their tutors who will return the same after marking and providing necessary academic guidance.

b) Workshops

There is a series of mandatory workshops conducted by the Department at the beginning and ending of each semester, during course work. Workshop component is consisted of 48 hours dedicated for each course. (12 days orientation workshop at the commencement of each semester and 12 days final workshop will be held at the end of each semester before final examination). Workshop would be arranged only at the main campus AIOU, Islamabad. The participation of the students in the workshop is compulsory. No relaxation will be provided to the students. The workshops (classes) are organized in order to provide the students proper guidance in course contents through intensive lectures, group discussion, etc. The programme of the workshop is chalked out by the Department and intimated to the students well in time. Hostel facility at the Main Campus, AIOU Islamabad may be available on payment by the students, if desired. A student who fails in continuous assessment component is not eligible to reappear but will be allowed to re-register for the same course at its next offering by the university. Whereas for workshops that is compulsory component of assessment, two additional consecutive chances would be provided to students on the payment of Re-appear Workshop Fee with the permission of the Chairperson of the Department.

c) Student Counseling

Students counseling is provided regarding academic matters through telephone, email, etc. by concerned Faculty Member.

d) Synopsis Orientation Workshop

The department will hold a two-week Synopsis Orientation Workshop to identify the topics for students' research and develop the synopses for their PhD thesis. The synopses will then be submitted to the Board of Advance Studies and Research (BASR) for approval.

Students shall submit detailed research proposals in the third semester (after the completion of course work).

Participation of the students in Synopsis Orientation Workshop will be mandatory.

e) Thesis

A student is required to carry out research work under a trained supervisor having PhD degree in the relevant field. Only those students will be given admission in thesis that successfully pass the comprehensive examination.

8. ASSESSMENT

The performance of scholars in PhD History would be evaluated as under:

i) Assignments

Each course carries maximum of 100 marks. There are two assignments for each 3 credit hours course. The passing marks in the assignment are 50/100.

Distribution of marks:

ii) Workshops

Students' activities in the workshop are thoroughly monitored and a weightage of 10% will be given to students according to their performance in the workshops.

iii) Mid Term Examination

There will also be a mid-term examination for each course during the course work. The mid-term is usually held during the course workshops.

iv) Final Examination

At the end of each semester, final examination will be conducted by the University for each Course.

Component	Weightage
Assignment	20%
Course Workshop	10%
Mid Term	20%
Final Exam	50%

v) Comprehensive Examination

- a) After successful completion of course work the students will appear in comprehensive examination (written exams and viva voce).
- b) Each PhD candidate will be given maximum of two chances to clear the comprehensive examination.
- c) The passing percentage in comprehensive exam shall be 50 percent; however, no grades will be awarded to the candidate.

vi) Thesis Evaluation

- a) On completion of PhD research thesis the student will be required to submit five spiral bound copies of the thesis to the supervisor.
- b) Supervisor will send five spiral bound copies of the thesis to the Chairman with a signed certificate along with a duly filled in checklist provided by the University.

(vii) Public Defense

The PhD viva-voce will be an open defense. The topic, time and place of viva-voce will also be notified by Chairperson of the Department on Notice Boards in the University as an invitation to all those who want to attend the viva-voce.

9. CANCELLATION OF ADMISSION

Admission of already admitted student or a new candidate may be cancelled in accordance with University's Regulation in the following circumstances:

- a) In case the candidate is found guilty of having forged any of his/her degree or relevant documents submitted to the University at the time of Admission in PhD programme.
- b) Disciplinary action against misbehavior/misconduct.
- c) Plagiarization
- d) If he/she fails in fulfillment of all the requirement to be qualified to obtain degree within the maximum time limit prescribed for the programme excluding the periods of deferment with the approval of the competent authority.

10. FEE DEPOSITING PROCEDURE

Only after issuance of receipt of admission offer, the candidate would pay dues in accordance with the fee tariff as directed by the Admission Office.

Note: No fee is required at the time of submission of the admission form.

Fee Structure

Nature of Fee	Amount	Description
Admission Fee	Rs. 2500/-	This fee will be paid with the fee of first semester
Registration Fee	Rs. 2400/-	Once at the time of Admission
Tuition Fee: per 3 credit hours	Rs. 3340/-	A student can take three courses of 3 credit hour in one semester
Student ID Card	Rs. 100/-	Once
Library Fee	Rs. 200/-	Per Semester
Technology Fee	Rs. 1000/-	
Caution Money	Rs. 2000/-	Refundable
PhD Thesis Evaluation Fee	Rs. 50000/-	This Fee will be submitted at the time of Submission of PhD Thesis

Note: Admission form complete in all respects may be sent on the following address:

CHAIRPERSON
Department of History
Block No. 9, AIOU, Sector H-8, Islamabad
Phone No: 051-9250073, 051-9057821

Faculty Members:

For guidance, student may contact the following faculty members of the Department of History, Block-9, AIOU Main Campus, Sector H-8, Islamabad.

- 1. Dr. Samina Awan**
Chairperson/Professor
Ph: 051-9250073, 051-9057821
Email: samina.awan@aiou.edu.pk
- 2. Dr. Kishwar Sultana**
Associate Professor
Ph: 051-9057837
Email: kishwar.sultana@aiou.edu.pk
- 3. Mr. Abdul Basit Mujahid**
(MPhil)
Assistant Professor
Ph: 051-9057822
- 4. Dr. Kausar Parveen**
Assistant Professor
Email: kausar.parveen@aiou.edu.pk
- 5. Ms. Sadia Aziz**
(MPhil)
Assistant Professor
Ph: 051-9057686,
Email: sadia.aziz@aiou.edu.pk
- 6. Ms. Fozia Umar**
(PhD Scholar)
Lecturer
Ph: 051-9057686,
Email: fozia.umar@aiou.edu.pk
- 7. Mr. Sajid Khan**
(PhD Scholar)
Lecturer
Ph: 051-9057827,
Email: sajidkhan@aiou.edu.pk
- 8. Office:**
Ph: 051-9250073, 051-9057821

General Information

- i. The certificates/degrees of AIOU are equivalent to any other recognized Board/University.
- ii. A candidate is required to send complete admission form alongwith attested copies of all educational and experience certificates to Department as mentioned in the prospectus before or on the closing date.
- iii. If an applicant of post-graduate/research level programme does not receive any information regarding admission even after three months of submission of application, he/she should presume himself/ herself non-selected.
- iv. The student cannot change the specialization at post-graduate research level during the programme after once being admitted to a specific field.
- v. A course taken by any student cannot be changed during the semester
- vi. The address of a student will not be changed during the semester. However in real hardship cases change of courses will be allowed within fifteen days after receipt of books and deposit of prescribed fee.
- vii. Admission to courses for both the Spring and Autumn semesters are generally offered in the months of February and August, respectively, whereas examinations commenced in November and May respectively. The continuing students are sent computerized admission forms. However if for any reason, the student could not get the said form, he/she may purchase admission form from any Regional Office of the university or download from AIOU website *aiou.edu.pk.com* and send it to the university within due date.
- viii. Fee cannot be refunded once paid for admission nor can it be adjusted for any other programme.
- ix. On payment of the registration fee, each student will be issued a registration number. This number must be quoted in all the future correspondence alongwith the roll number, course(s), code number and semester.
- x. Study material shall be mailed to the students at their given address.
- xi. After receipt of the study package, students are usually intimated by the part time tutors appointed for each course for tutorial guidance, within fifteen days. If you do not get information about tutors, you are required to send your assignment by registered post to the concerned Regional Director, Assistant Regional Director without delay; you are also required to retain a photocopy of all your assignments.
- xii. Rules and regulations framed, amended and changed from time to time by the authorities, bodies of the university will be effective as deemed necessary. The student will have to abide by all such rules and regulations from the date of their implementation.
- xiii. A student who fails in continuous assessment component is not eligible to reappear but will be allowed to re-register for the same course at its next offering semester by the university.
- xiv. It is the responsibility of the student to remain in touch with the department regarding the selected programme.
- xv. A student already enrolled to a programme or a specialization of a programme shall not be allowed to transfer or to get admission to another programme unless he/she formally

- postpones it till the completion of the new programme orxxiii. withdraws from the previous programme.
- xvi. After completion of a programme successfully, a student has to apply to the Controller of Examinations for issuance of certificate/degree.
- xvii. The university reserves the right to change the contents of this prospectus without any prior notice as per university policy.
- xviii. The student must inform the Admission Department in writing within the period of 15 days after receipt of study material parcel, *If found any wrong/short material/ books which is not according to the admission form/ check list or mistake in name and address.* No request for any change will be entertained after the stipulated period.
- xix. Check the books and tally with the course codes mentioned on the address label pasted on the registered packet. If there is any discrepancy, write immediately to Admission Department for correction/ supply of requisite books.
- xx. Admission forms incomplete in any respect will not be entertained and will be returned after close of semester to the students indicating the deficiency in clear terms with advise to request for refund of fee.
- xxi. Admission form received without prescribed fee or less fee or fee deposited after due date will not be considered.
- xxii. In case of discrepancies in the name of student/ Father's name of the student or difference in name mentioned in his/her other educational certificates, the name on the Matric certificate of the student will be considered as correct name. The Examination Department shall also issue certificate/ degree on the said name.

In case provision of forged documents for admission, not only the admission will be refused to the applicant but the fee deposited by him/her will also be forfeited. The university may proceed further in the matter.

REGULATIONS FOR REFUND OF ADMISSION FEE

Admission fee once deposited by the candidates/students in the university account will neither be refunded nor converted/adjusted as a matter of right. However fee paid by the candidates/students will be settled in the following cases:

- i) The candidates/ students who deposit the fee for a programme and later on change their mind to apply in another programme and communicate their decision in black and white to the admission section before dispatch of study material in such cases, fee will be refunded to them after deduction of 10% of the total amount deposited.
- ii) The candidates/students who discontinue the programme/ courses(s) after dispatch of books, neither their admission will be cancelled nor fee will be refunded to them.
- iii) The candidates/ students who are not allowed admission to a programme offered by the university due to less enrolment/ non formation of viable group/ non offering of courses, full fee will be refunded to them.
- iv) The candidates/ students who know that they are ineligible for admission to a programme, and even then they deposit the fee, in such cases, the fee will be refunded after the deduction of 5% as services charges from the total amount.

- v) The amount deposited by the candidates/ student in excess (more than the prescribed fee) will be refunded/ adjusted within a year.
 - vi) Cases of refund of admission fee will be processed after finalization/ completion of admission of the semester and only on the production of original Bank Challan/Receipt No. 3 & 4.
 - vii) If candidates/students deceive the university and get admission in two different programmes, simultaneously in a semester, admission will be cancelled in both the programmes and the fee deposited for both the programmes will be forfeited.
- viii) **Applicant should ensure that the information provided in Admission Form is correct. If at any stage the information found false or the applicant was not eligible according to the admission criteria, the admission shall be cancelled and there will be no right to claim the degree.**

IMPORTANT TELEPHONE NUMBERS

S.No.	Designation	Contact
1.	Director Admissions	051-9250043 Fax: 051-9250162
2.	Additional Registrar (Mailing)	051-9250185
3.	Controller of Examination	051-9250012
4.	Director Students Affairs	051-9250174