

**AIOU**

**Admission Autumn 2023**

# PROSPECTUS

**Ph.D/MS/M.Phil/MBA & MSc(Hons) Programs**



**Allama Iqbal Open University, Islamabad**

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

Help Line: (051) 111-112-468

# **PROSPECTUS**

**OF**

**Ph.D./MS/MPhil/MBA & MSc (Hon.) Programs**

**FOR**

**SEMESTER AUTUMN, 2023**



**Allama Iqbal Open University**  
**Islamabad**

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# Message from the Vice-Chancellor

Dear Student,

السلام عليكم

Welcome to Allama Iqbal Open University (AIOU) is one of the mega universities of the world and it occupies a unique position in the education sector of Pakistan, because of its affordability and high quality distance and online academic programs. AIOU has now turned into the most favorite university of the country with high international repute. The university made a landmark progress by ensuring access to quality education for rural areas under-privileged students and the people of all ages particularly the females can now select and join the programs of their choice, while sitting at their residence and simultaneously with continuing their jobs. After assessing the success of many degree programs in Pakistan, AIOU is now going to offer a variety of range programs for the students residing worldwide. More than 1.3 million students are getting benefits from the high quality educational services of AIOU in all regions of the country through more than fifty regional offices of the university. It offers-suggests many undergraduate and postgraduate programs at rural and remote areas providing an unparalleled opportunity to all the poor and deprived segments of the society at an affordable cost. The university has recently digitalized all its student-support services for facilitating its students on priority basis. This digitization of the system, it is hoped, will enable AIOU students to get all discipline of educational programs using their Learning Management system (LMS) portal support online.



I welcome you to the postgraduate studies at AIOU and wish you a challenging yet successful journey ahead.

**Prof. Dr. Nasir Mahmood**  
**Vice Chancellor AIOU**



## 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 in 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 doorsteps to those people who could not continue their educational journey through formal system of education. The University (AIOU) operates on semester-based system and admits students in Spring and Autumn semesters. Under-graduate admissions are offered in both the semesters whereas postgraduates are offered once a year. The undergraduate students are given course books especially prepared by the university on self-instructional principles. However, at post graduate level students are encouraged for self-study; therefore, no textbooks are provided.

At present, the AIOU is offering programs from Matric to Ph.D. level in diverse disciplines from four faculties. The AIOU is also offering four years under-graduate degrees in various disciplines.

Apart from curricular and extra-curricular activities during the academic year, the AIOU and its Regional Centers 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 standards for experiments and research. To meet the present-day challenges, internet facilities are also available in the student's hostel and the Central Library where computers have been provided to enable students to access the latest information available through open source databases.

Allama Iqbal Open University (AIOU ranked 1<sup>st</sup> among 66 Pakistani varsities recent Times Higher Education Impact Ranking 2023 (The's Ranking) in SGD-4 (Quality Education)



# AIOU Stands Tall



#1



#25



Allama Iqbal Open University ranked 1st in SDG 4 – quality education, Times Higher Education Impact Rankings in Pakistan, and 25th in overall global rankings among 1,304 universities from 109 countries/regions. The Times Higher Education Impact



# We Made it



## SDG 4 – Quality Education

2022

2023

Ranked 20th in  
Pakistan

Ranked **1st**  
in Pakistan

Ranked 401-600  
Globally

Ranked **25th**  
Globally



Directorate of Public Relations

[www.aiou.edu.pk](http://www.aiou.edu.pk) 051-111-11-2468



# Times Higher Education Impact Rankings 2023



ALLAMA IQBAL OPEN UNIVERSITY

## Rankings

	1	2	3	4
	Ranking in Pakistan	Total Universities in Pakistan	Global Ranking	Total Universities Globally
1 SGD-1 (No Poverty)	3	49	87	876
2 SGD-4 (Quality Education)	1	66	25	1304
3 SDG 8 - decent work and economic growth	2	39	101-200	960
4 SDG 17 - partnerships for the goals	5	72	401-600	1625

## SCHOLARSHIPS AND FINANCIAL AIDS

❖ **Financial Support Scheme (SSF-101)**

This scheme is formulated to provide financial assistance to the deserving, needy and talented students.

❖ **Earn to Learn Scheme (SSF-102)**

AIOU provides opportunities to the deserving students to earn and learn. This scheme is to encourage and assist the students in the pursuit of higher studies.

❖ **Merit Scholarship Scheme (SSF-103)**

This scheme is an initiative to generate competition among brilliant students of AIOU. The scholarship is offered to the students of all levels/ programs scoring 80% and above marks in their latest results in AIOU.

❖ **Final Year Project Grant Scheme (SSF-105)**

This scheme is designed with the focus of motivating researchers and promotion of market-oriented research by providing financial grants. This grant will be available to BS, BSc (Hons), M.Phil, MS & Ph.D scholars.

❖ **Scholarship for Communities Scheme (SSF-106)**

The financial assistance, through this scheme is available to the following communities:

- Differently Abled Students
- Orphans
- Gender Diverse Individuals
- Offspring of Martyrs
- Inmates/ Prisoners

❖ **Free Education (Matric) Plan for FATA/ Baluchistan & Gilgit/ Baltistan**

The Allama Iqbal Open University has initiated opportunities to support the deprived communities residing in FATA/Baluchistan and Gilgit-Baltistan.

AIOU is offering this facility without any discrimination based on caste and creed.

*The SOP's/ TOR's, eligibility criteria of aforementioned financial schemes are available at AIOU website.*

## **STUDENTS SUPPORT SERVICES**

### **Student Facilitation Center (SFC)**

The Student Facilitation Center (SFC) was established on October 17, 2022, with the aim to help the student/visitors by providing them solutions under one roof. The Center provides services linked with Student Advisory, LMS/Tutor/Workshop, Admissions & Mailing.

### **AIOU Call Center**

The AIOU Call Center/ Helpline (051-111-112-468) was primarily established in 2011, while the purpose-built dedicated center was established in September 2022, for the provision of information/guidance to the callers.



**MINIMUM AND MAXIMUM TIME DURATION/SEMESTERS  
FOR THE COMPLETION OF FACE-TO-FACE PROGRAMME  
(From Spring 2021 Semester)**

<b>Sr. #</b>	<b>Degree Level</b>	<b>Minimum Duration</b>	<b>Maximum Duration</b>
1.	Ph.D.	3 Years / 5 Semesters	8 Years*
2.	MS/MPhil/MSc (Hons)/MBA/COL MBA	2 Years / 4 Semesters	4 Years**
3.	MA/MSc (2 Years)	2 Years / 4 Semesters	4 Years
4.	BS (4 Years)	4 Years / 8 Semesters	6 Years
5.	Associate Degree (2 Years)	2 Years / 4 Semesters	4 Years
6.	Postgraduate Diploma (1 Year)	1 Year / 2 Semesters	2 Years
7.	Certificate (6 Months)	6 Months / 1 Semester	1 Year

*\*&\*\* As per AIOU & HEC rules.*

The policy of Re-Appear and Again Re-Appear is being dis-continued and the concerned students will have to re-register/enroll or re-admit in the failed course(s).

# CONTENTS

	<i>Page #</i>
<b>VICE-CHANCELLORMESSAGE</b> .....	iii
<b>ALLAMA IQBALOPENUNIVERSITY</b> .....	iv
<b>SCHOLARSHIPS AND FINANCIAL AIDS</b> .....	ix
<b>STUDENTS SUPPORT SERVICES</b> .....	x
<b>Admission Procedure and Requirements for MPhil Programs</b> .....	1
Duration, Credit Requirements and Medium of Instruction for MPhil Programs .....	2
Components of Course Instructions.....	2
Evaluation for MPhil Programs .....	3
<b>Admission Procedure and Requirements for Ph.D. Programs</b> .....	4
Duration, Credit Requirements and Medium of Instruction for Ph.D. Programs .....	5
Evaluation for Ph.D. Programs .....	6
Instructional Methodology .....	7
<b>FACULTYOFSCIENCES</b> .....	8
<b>Fee Tariff for Faculty of Sciences</b> .....	10

<b>Department of Physics</b> .....	11
Ph.D. Physics .....	12
MPhil Physics .....	14
<b>Department of Statistics</b> .....	17
Ph.D. Statistics .....	18
<b>Department of Chemistry</b> .....	20
Ph.D. Chemistry.....	21
MPhil Chemistry.....	21
<b>Department of Biology</b> .....	24
MPhil Microbiology &Molecular Genetics .....	25
<b>Department of Environmental Sciences</b> .....	27
MPhil Environmental Sciences.....	28
<b>Department of Computer Science</b> .....	30
Ph.D. Computer Science .....	31
<b>Department of Mathematics</b> .....	34
MPhil Mathematics.....	35
<b>Department of Environmental Design, Health &amp; Nutritional Sciences</b> .....	37
Ph.D. Food& Nutrition .....	38
MS Community Health & Nutrition .....	40
<b>Department of Agricultural Sciences</b> .....	43
Ph.D. Agricultural Extension.....	44

MPhil Agricultural Technology .....	45
MSc Hon. Agricultural Extension.....	47
MSc Hon. Rural Development.....	48
MSc Hon. Live Stock Management.....	49
<b>FACULTY OF SOCIAL SCIENCES AND HUMANITIES .....</b>	<b>52</b>
<b>Fee Tariff for Faculty of Social Sciences&amp; Humanities .....</b>	<b>54</b>
<b>Department of Urdu .....</b>	<b>55</b>
Ph.D. Urdu .....	56
<b>Department of Pakistani Languages .....</b>	<b>58</b>
Ph.D. Pakistani Languages .....	59
<b>Department of Business Administration.....</b>	<b>60</b>
MBA 2-Years.....	62
MBA 1.5-Years .....	64
<b>Department of English.....</b>	<b>67</b>
MPhil English (Linguistics).....	68
<b>Department of Pakistan Studies .....</b>	<b>71</b>
MPhil Pakistan Studies .....	72
<b>FACULTY OF ARABIC &amp; ISLAMIC STUDIES.....</b>	<b>74</b>
<b>Fee Tariff for Faculty of Social Sciences&amp; Humanities .....</b>	<b>77</b>
<b>Department of Islamic Thought, History and Culture.....</b>	<b>78</b>
MPhil Islamic Studies General .....	79
Ph.D. Islamic Studies General .....	80

<b>Department of Seerat Studies</b> .....	82
MPhil Islamic Studies Specialization in Seerat Studies .....	83
Ph.D. Islamic Studies Specialization in Seerat Studies .....	84
<b>Department of Interfaith Studies</b> .....	86
MPhil Islamic Studies Specialization in Interfaith Studies .....	87
Ph.D. Islamic Studies Specialization in Interfaith Studies .....	88
<b>Department of Hadith and Hadith Sciences</b> .....	90
MPhil Islamic Studies Specialization in Hadith and Hadith Sciences.....	91
<b>Department of Arabic</b> .....	93
Ph.D. Arabic.....	94
<b>FACULTY OF EDUCATION</b> .....	97
<b>Fee Tariff for Faculty of Education</b> .....	100
<b>Department of Distance, Non Formal and Continuing Education</b> .....	101
MPhil DNFE .....	102
Ph.D. DNFE .....	103
<b>Department of Elementary Teacher Education</b> .....	105
Ph.D. Elementary Teacher Education.....	106
<b>Mandatory Information</b> .....	108
<b>Procedure for Depositing Fee</b> .....	109

## *How to Apply Online*

- Go to <https://fmbp.aiou.edu.pk/application/index.php>
- Register here through your Cell No. or Email id and Login.
- Fill the Admission Form and Submit
- Print Fee Voucher and deposited the fee.
- For further information and query please visit website at:  
*http://support.aiou.edu.pk/ or contact at: 051-9572386*

## **Admission Procedure and Requirements for MPhil Programs**

The admission of MPhil and Ph.D. shall be announced by Director BASR as per admission calendar of AIOU. Announcement for admission will be made in the leading newspapers of the country.

1. The minimum entry requirements for admission to **MS/MPhil/ or equivalent** programs shall be minimum of 16 years of schooling or 4 years of education in the **relevant subject** after Higher Secondary School Certificate with at least second division or equivalent CGPA/GPA (minimum with 120 credit hours from HEC recognized institution).
2. An eligible candidate shall apply for admission through online portal (<https://aiou.edu.pk/oas-fresh-admission>).
  - Register here through your Cell No. or Email and Login
  - Fill in the Admission Form completely and submit.
  - Print Fee Voucher and deposited the fee in the designated banks or through Jazz Cash, Easy Paisa and Upaisa Mobile App/USSD String \*786#, Retailer Agent, Franchise and Branches of Mobilink, Telenor and Ubank.
3. **Admission Test:**
  - a) University is required to:
    - i. Conduct a rigorous admission test as an eligibility condition for admission to

MS/MPhil/Equivalent programs, with a passing score of 50%

**OR**

- ii. Accept the GRE/HAT General/Equivalent tests, with a passing score of 50%.

4. The criteria for admission and weightage of its components for **MS/MPhil/MSc (Hons)** e.g., **GAT/HAT General (NTS)**, academic qualifications, research/ professional experience, publications, written subject test and interview shall be as follows:

i.	Academic Qualification + Research + Experience	30+5+5=40
ii.	<b>Written Test</b> (at per HEC/AIOU Policy)	40
iii.	Interview	20
	<b>Total</b>	<b>100</b>

6. Admission to **MPhil** shall be processed and finalized by the Departmental Admission Committee (DAC) duly approved by the Vice-Chancellor.
7. Admission to MPhil programs will be granted against available seats strictly based on merit/written test/interview as approved by the University. The University reserves the right not to start MPhil programs if a viable group of students is not enrolled.
8. Concerned Department will inform the selected candidate about their admission in respective program after fulfilling prescribed procedure.
9. A candidate will become a student of **the MPhil**

program upon depositing the prescribed semester-based fee for the 1st semester of course work for each program. In case of failure to deposit the fee within the specified period, the admission shall automatically stand cancelled after the due date.

10. The Department will consider the next candidate in order of merit for admission in case the selected candidate does not deposit the prescribed fee within the stipulated time. No appeal shall be considered once alternate candidates offer admission.
11. A Student admitted to **MPhil** programs and a specialization thereof, whichever applicable, shall not be allowed to change his/ her program or specialization. The candidate shall have to apply for fresh admission to another program or specialization after discontinuation of the earlier program/specialization as and when next admission is announced.
12. A candidate seeking admission to **MPhil** program shall be admitted to the relevant program of minimum 24 credit hours course work as per requirement of HEC and 12 credit hours research thesis.
13. Fee can neither be refunded nor be adjusted for future admission after finalization of admission and commencement of classes.
14. The Candidates having GRE HAT (General) conducted by ETS with minimum of 50 percentile score or an equivalent as per HEC policy be considered for admission in MS/MPhil/Equivalent programs and shall not have to appear in the departmental admission test conducted by the university.

### **How to Pay the Fee?**

The admission in MPhil programs is purely on merit basis. No fee is to be paid unless intimated by the university. The fee is to be deposited through Challan (CMS generated) Form only in the specified branches of Banks in Main campus of AIOU Islamabad within stipulated time.

### **Duration, Credit Requirements, Research Project and Medium of Instructions for MS/MPhil and equivalent programs:**

1. The **minimum duration** of MS/MPhil program shall be 4 semesters (Two years) and maximum duration shall be 08 semesters (Four years).
  - a) The minimum period of the 24 credit hours course work for **MS/MPhil/ or equivalent** shall be two semesters (one year) and minimum period to complete 12 credit hours research thesis shall be two semesters (One year) after approval of the synopsis by concerned committee.
  - b) The minimum period to complete the research project shall be one semester.
2. The language of instruction, examination and thesis for all disciplines will be according to the approved scheme of studies of each department.

### **Components of Course Instructions**

1. The instructional modes shall include student and tutor face to face contact for approved prescribed period, teaching, video conferencing, e-mail, internet, telephone coaching on prescribed schedules, broadcast, and non-broadcast audio visual programs etc.

2. The minimum number of compulsory faces to face teaching hours shall be 48 hours for each course (3 credit hrs.)
3. The duration of synopsis orientation workshop shall be compulsory of two weeks in the beginning of 3<sup>rd</sup> semester.

### **Course Work Evaluation:**

1. The evaluation of 24 credit hours course work of MPhil shall be conducted by the Controller of Examinations as per prevailing practice of the university.
2. The distribution of continuous assessment and final examination of each 3-credit hour course work shall be as follows:
 

i) Continuous Assessment & Mid Term	50% (20+30)
ii) Final Examinations	50%
<b>Total</b>	<b>100%</b>
3. Pass percentage in aggregate shall be 50%.  
If a student cannot pass in continuous assessment/ assignments or fail to maintain the minimum mandatory class attendance of 70% in a course, he/she will be declared as fail.

### **Thesis Requirements**

1. After completion of twenty-four credit hours of course work, a student will embark upon research of 12 credit hours for two semesters. After the receipt of admission list of third semester, the department will hold two-weeks Synopsis Orientation Workshop (SOW). Only those students will be eligible to attend the synopsis orientation workshop who qualified/passed at least 12 credit hours course work including Research methods/statistics. However, he/she will be allowed to submit the thesis only after passing all the courses.

2. The purpose of this workshop is to guide the MPhil scholars in finalizing their Synopsis/Research topics. Participation in the SOW will be mandatory. Research scholars are supposed to develop and present their synopsis before the Research Proposal Committee (RPC). Finally, the recommended topic of synopsis/research by RPC will be forwarded to the competent authority for approval as per MPhil rules and regulations of AIOU, Islamabad.

### **Travelling & Boarding / Lodging Expenses**

The AIOU does not have lodging and boarding facilities now except at the main campus Islamabad. 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.

### **Hostel Facilities**

The students coming from other cities can avail the hostel facility at reasonable rates (other than fee) subject to availability.

### **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 1<sup>st</sup> semester. Financial assistance will be considered from the 2<sup>nd</sup> semester.

## **Admission Procedure and Requirements for Ph.D. Programs**

1. The Ph.D. program shall be announced by the Director BASR as per admission calendar of AIOU. Announcement for admission will be made in the leading newspapers of the country.
2. **The minimum entry requirement for admission to Ph.D. program shall be MS/MPhil or equivalent degree** with CGPA 3.0 out of 4.0 in semester system or 1st division in the Annual system with (60% marks).
3. If the CGPA/Percentage is not mentioned on the transcript, the candidate must produce equivalent weightage from the parent university.
4. **Admission Test:**
  - a) University is required to:
    - i. Conduct the test equivalent to GRE/HAT General developed at the University, with the passing score of 60% **OR**
    - ii. Accept a test equivalent to GRE/HAT General, conducted by testing bodies accredited by HEC, with a passing score of 60%.
5. The university committee for the test at par with GRE (general) consists of at least 3 Ph.D. Faculty members in the subject area will conduct the test with intimation to QA Division HEC within one month of its constitution and the qualifying score for this will be 60%.

6. The criteria for admission and weightage of its components e.g., academic qualifications, research professional experience, publications, interview shall be as follows:

i.	Academic Qualification + Research + Experience	40+5+5=50
ii.	<b>Written Test</b> (at per HEC/AIOU Policy)	30
iii.	Interview	20
	<b>Total</b>	<b>100</b>

### **Statement of Purpose**

As part of the application for admission to PhD programs, applicants shall be required to submit a statement of purpose, which shall form an integral part of the application. The admissions committee shall use the information provided to ascertain the preparedness and interest of the candidate in pursuing doctoral studies, and whether the department has the requisite resources to train and supervise the doctoral candidate in the subspecialty in which the applicant is interested. A statement of purpose shall, at least, include the following:

- i. Title of the potential research proposal.
- ii. Clear articulation of the current understanding of the intended field and ideas for potential research.
- iii. Explanation of the intended impact of the proposed research.
- iv. The prospective candidates shall demonstrate passion and enthusiasm for the area of research.

## **How to Apply for Admission?**

- I. An eligible candidate shall apply for admission through online portal (<https://aiou.edu.pk/oas-fresh-admission>).
  - Register here through your Cell No. or Email and Login
  - Fill in the Admission Form completely and submit.
  - Print Fee Voucher and deposited the prescribed fee in the designated banks or through Jazz Cash, Easy Paisa and Upaisa Mobile App/USSD String \*786#, Retailer Agent, Franchise and Branches of Mobilink, Telenor and Ubank.
- II. Admission to a Ph.D. will be offered against available seats strictly on the basis of merit and as per criteria laid down by the concerned Department. The University reserves the right not to start Ph.D. programs if a viable group of students is not enrolled.
- III. A candidate will become a student of **Ph.D.** program upon depositing the prescribed semester-based fee for the 1st semester of course work. In case of failure to deposit the fee within the specified period, the admission shall automatically stand cancelled after the due date.
- IV. A student admitted to **Ph.D.** programs and a specialization thereof, whichever applicable, shall not be allowed to change his/ her program or specialization. The student shall have to apply for a fresh for admission to another program or specialization after discontinuation of the earlier program/specialization as and when next admission is announced.

## **Important Notice: (About Written Test):**

- (a) All candidates to inform about test/interview through only SMS or AIOU website (news section), No call letters by post will be sent to the candidates for test/interview.
- (b) It is advised to candidates for SMS service, correct Cell Number put in online admission form, if the wrong number is entered in the admission form, then all the responsibility will be on the candidates.
- (c) Remember that if your mobile number has been converted to another network. SMS will not be received on it, so add those numbers in admission form which has not been converted to another network, otherwise you are responsible.
- (d) The eligible candidates for interview are required to bring along with them all original educational documents/degrees (with two sets attested copies)/ thesis/ research paper/experience certificates (if any) for verification during the Interview.
- (e) Candidates will not be allowed to sit in the Written Test without showing CNIC. No TA/DA is admissible for Test & Interview.

## **Duration/Credit Hours and Medium of Instructions for Ph.D. programs:**

Duration/Credit Hours as per HEC rules adopted by AIOU time to time.

The language of instructions, examination and thesis for disciplines will be according to the approved scheme of studies of each department.

## Evaluation

### **a. Course Work Evaluation**

The evaluation of the 18 credit hours of Ph.D. course work will be conducted by Controller of Examinations by appointing teachers (who taught the course in that particular semester) as Examiners recommended by the department concerned.

1. The distribution of marks of each 3 credit hours course work of Ph.D. shall be as follows:

2.

Sr.#	Components	weightage
i.	Continuous Assessment & Mid Term	50% (20+30)
ii.	Final Examination	50%
iii.	<b>Total</b>	<b>100%</b>

3. Pass percentage in aggregate will be 70%. If a student cannot pass in continuous assessment/ assignments or fails to maintain the minimum mandatory class attendance of 70% in a course, he/she will be declared as fail.

### **b. Comprehensive Examination**

1. The students completing the Ph.D. course work shall be allowed to appear in the Comprehensive Examination arranged and conducted by the department concerned as per the rules of the HEC. The pass percentage in Comprehensive Examination shall be 70% however; no grades will be awarded to the candidate.

2. Each Ph.D. candidate will be given a maximum of two chances to clear the Comprehensive Examination.
3. The department concerned will conduct a written examination (comprehensive exam) of four hours duration based upon its Ph.D. level courses within 90 days of completion of coursework.

### **c. Thesis Evaluation**

1. On completion of **Ph.D.** research, the student shall be required to submit 05 spiral bound copies of the thesis to the Supervisor.
2. The student will also submit an undertaking and a declaration, that the thesis he/she is submitting has not already been submitted or published and shall not in future be submitted by him/her for obtaining any degree from any other university or institution.
3. The thesis will be evaluated as per AIOU rules.
4. The Viva-voce Exam will be conducted after the evaluation as per AIOU rules.
5. The Ph.D. degree shall be awarded on completion of all requirements for the degree.
6. The student will submit five hard bound copies of the approved thesis along with the soft copy to the Chairperson/Director as per specifications of AIOU.

### **Research Publications:**

For award of Ph.D. degree, a Ph.D. researcher shall be required to publish a research articles meeting the following criteria:

- i. At least:
  - a. One research article in W category journal or two research articles in X category journals, for Science disciplines.
  - b. One research article in X category journal or two research articles in Y category journals, for Social Sciences disciplines.
- ii. The PhD researcher shall be the first author of these publications.
- iii. The research article shall be relevant to the PhD research work of the PhD researcher.
- iv. The article shall be published after approval of the research synopsis.
- v. The article shall be published in a relevant research journal.

### **Instructional Methodology:**

#### **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 computers where required.

70% attendance in face to face teaching would be compulsory.

#### **Viva Voce:**

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

#### **Face to Face teaching (Tutorials):**

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 1<sup>st</sup> semester. Financial assistance will be considered from the 2<sup>nd</sup> semester.

**Note: Admission forms complete in all respect must be submitted online on AIOU website.**

# FACULTY OF SCIENCES



*Prof. Dr. Irshad Ahmed Arshad*  
**Dean**



The Faculty of Sciences forms an integral part of the university. Since its establishment in 1982 with five teaching departments, it has undergone major development changes. It now comprises 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 an “Education for All as Convenient” basis so that maximum students get benefit from its academic programs 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 programs. Improvement in qualifications for a better life is a right of everyone and the faculty's programs meet this challenge by offering opportunities to all. A significant number of beneficiaries are those who cannot afford education in formal institutions due to a variety of reasons.

All the departments (Agricultural Sciences, Biology, Environmental Sciences, Chemistry, Nutritional Sciences and Environmental Design, Computer Science, Physics, Mathematics, Statistics & Engineering & Technology) of The Faculty of Sciences are running a variety of postgraduate technical, scientific, and professional programs successfully. The departments are equipped with computer labs for practical work, teaching, research, and instrumentation labs for analysis. The University is developing these labs through its 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 amounts of funds and valuable guidance.

Around 80 highly qualified full-time faculty members are in the role 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 instructions so that high standards are maintained. In addition, highly qualified and

experienced Professors are also engaged on the contract or as part-time instructors, for postgraduate study programs. The University faculty is also offering academic positions under the 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 programs MPhil and Ph.D. degrees in Agricultural Sciences, Chemistry, Computer Sciences, Biology (Microbiology and Molecular Genetics), Environmental Sciences, Nutritional Sciences and Environmental Design, Mathematics, Statistics and Physics. Rules and regulations for governing postgraduate study programs are those approved by the Higher Education Commission (HEC).

## Fee Tariff for MSc Hons/MS/MPhil Programs Faculty of Sciences

Item	Rates
Admission Fee (at the time 1 <sup>st</sup> semester)	Rs.1650/-
Registration Fee	Rs.1100/-
Course Fee (3 credit hours)	Rs.7920/-
Fee for 12 credit hours' theory work (7920 x 4= 31680)	Rs.31680/-
Technology Fee per semester	Rs.550/-
<b>Total Fee (First Semester)</b>	<b>Rs.34,980/-</b>
Research Thesis fee in 3 <sup>rd</sup> Semester <b>Lab Charges*</b>	Rs.15840/- Rs.27500/-
Research Thesis fee in the 4 <sup>th</sup> Semester <b>Lab Charges*</b>	Rs.15840/- Rs.27500/-
<b>Thesis Evaluation Fee</b> (at the time of submission of thesis)	<b>Rs.31,680/-</b>

**\*Note: Lab Charges Fee for the following programs only:**

1. Chemistry,
2. Microbiology and Molecular Genetics
3. Environmental Sciences
4. Agricultural Technology

## Fee Tariff for Ph.D. Programs Faculty of Sciences

Item	Rates
Admission Fee (at the time 1 <sup>st</sup> semester))	Rs.2750/-
Registration Fee	Rs.2750/-
Course Fee (3 credit hours)	Rs.9900/-
Tuition Fee 3 credit hours Rs.9900 (9900 x 3 courses) = 29,700	Rs.29700/-
Technology Fee per semester	Rs.550/-
<b>Total Fee (First Semester)</b>	<b>Rs. 35,750/-</b>
<b>Total Fee (First Semester) Ph.D. Food and Nutrition</b>	<b>Rs. 45,650/-</b>
Thesis Fee (in 3 <sup>rd</sup> ,4 <sup>th</sup> ,5 <sup>th</sup> ,6 <sup>th</sup> Semester)	Rs.29700/- Per semester
<b>Thesis Evaluation Fee</b> (at the time of submission of thesis)	<b>Rs.118,800/-</b>

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 program.

# DEPARTMENT OF PHYSICS



*Dr. Syed Raza Ali Raza*  
**Chairman**



The department's greatest resources are the people that fill its classrooms, labs, offices, and state-of-the-art facilities. The undergraduate graduate students at AIOU feature a complete range of opportunities to engage in world-class Physics forms from theoretical to experimental.

The department has established several research laboratories

on campus, including Renewable Energy, Modeling and Simulation, Nanotechnology and Materials Science. Several collaborations and projects are also being carried out by Physics' departmental faculty and graduate students outside, at centers of NCP, NILOP, PAEC, IST and other R&D organizations. The department is executing interdisciplinary research with strong links to the fields of Astronomy, Biophysics, Chemistry and Cellular Biology.

Realizing the need for technology and scientific education in Pakistan the Department of Physics at AIOU began in 1998 with technological needs in areas like Modeling & Simulation, Materials Science, Energy, Energy Efficiency, Climate, Energy for Sustainable Development, Renewable Energy, Hydrogen Energy, Environment, Astronomy, Nanotechnology, Plasma Physics, Medical Physics, Cosmology, Geophysics, Density Functional Theory (DFT), and Nuclear Physics. A major emphasis of current research activities is on the promotion of Modeling & Simulation, Materials Science, Renewable energy, Nanotechnology, and related areas in which the department has led to innovations.

The Department is presently running BS 4 years, MPhil & Ph.D. degree programs with specialization in various disciplines. Apart from capacity-building activities, the Department of Physics has been involved in several International, National and Regional research projects. The physics department has developed research linkages with other National and International Universities and research organizations of repute to ensure two-way flow of knowledge.

The faculty today is engaged in research that will contribute significantly to the development of human capacity, science, and technology in Pakistan. Departmental research seeks to explore and explain fundamental questions that range from understanding the origin of the universe, including String

Theory, Cosmology and Astrophysics, to understand the visible world of colloids and the world of on an ever-diminishing scale, from the mesoscale to the nanoscale, condensed matter and atomic, molecular and particle physics.

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 21<sup>st</sup> century front-edge research facilities allows our graduates and postgraduates to become successful researchers, teachers, and applied scientists in the 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 public appreciation and respect for scientific work and knowledge.

### **The Area of specialization in the Department of Physics**

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 Physics, Medical Physics, Lasers & Optics, Cosmology, Geo Physics, Density Functional Theory (DFT), Modeling & Simulation and Nuclear Physics.

### **Ph.D. Physics Program**

#### **1. Duration of the Program**

The minimum duration for the Ph.D. program shall be six semesters (03 years) and the maximum duration of the program shall be 10 semesters (05 years). Students will have

to complete coursework in the first two semesters & then carry out research work in the last four semesters. Students have to complete 18 credit hours of coursework and 36 credit hour of research work. The minimum period for the completion of course work shall be two semesters (one year) and maximum four semesters (two years).

## 2. Eligibility

- i. The minimum entry requirement for admission to Ph.D. program shall be an MS/MPhil or equivalent degree with CGPA of 3.0 out of 4.0 in the semester system or 1st division in the Annual system with (60% marks)
- ii. Test equivalent to GAT/GRE subject in the area of specialization chosen at the Ph.D. level must be cleared with a minimum of 70% marks prior to admission for the Ph.D. program as per HEC requirements.
- iii. The university committee for the test at par with GRE (subject) consists of at least 3 Ph.D. Faculty members in the subject area who will conduct the test with intimation to QA Division HEC within one month of its constitution and the qualifying score for this will be 70%.
- iv. The criteria for admission and weightage of its components e.g., academic qualifications, research professional experience, publications and interview shall be as follows:

iv.	Academic Qualification + Research + Experience	40+5+5=50
v.	Written Test (at per HEC/AIOU Policy)	30

vi.	Interview	20
	<b>Total</b>	<b>100</b>

## 3. Components of Course Instructions

1. The number of compulsory face-to-face teaching hours shall be 45 for each course (3 credit hours).
2. The duration of the synopsis orientation workshop shall be two weeks.

## 4. Scheme of Studies

Three compulsory courses (each of 3 credit hours) will be offered in the 1<sup>st</sup> semester and the remaining 3 optional courses will be opted for by the students in the 2<sup>nd</sup> semester from the list given below. Each course is for 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 the first year or 1 <sup>st</sup> & 2 <sup>nd</sup> Semester	18 Cr. Hrs.
Thesis/ Dissertation during the second year or 3 <sup>rd</sup> 4 <sup>th</sup> 5 <sup>th</sup> & 6 <sup>th</sup> semester	36 Cr. Hrs.
<b>Total credit hours for completion</b>	<b>54Cr. Hrs.</b>

### Semester 1 (Compulsory)

S.#	Course Title	Code	Cr. Hrs.
1	Advanced Mathematical Physics	9701	3(3+0)
2	Experimental Techniques in Physics	9702	3(3+0)
3	Renewable Energy Resources	9706	3(3+0)

### Semester 2 (Optional)

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

Sr. #	Course Title	Course Code	Credit Hours
1.	Advanced Semiconductor Physics	9703	3(3+0)
2.	Statistical Physics	9704	3(3+0)
3.	Environmental Physics	9705	3(3+0)
4.	Hydrogen Energy Technology	9707	3(3+0)
5.	Energy Audit and Thermal Energy Conservation	9708	3(3+0)
6.	Energy Resources & Technologies	9709	3(3+0)
7.	Research Methods & Techniques	9710	3(3+0)
8.	Magnetism & Magnetic	9711	3(3+0)
9.	Particle Physics	9712	3(3+0)
10.	Medical Physics	9713	3(3+0)
11.	Material Science	9714	3(3+0)
12.	Nano Science & Nanotechnology	9715	3(3+0)
13.	Climatology and Astronomy	9716	3(3+0)
14.	Environmental Degradation and Sustainability	9717	3(3+0)

### Research Work for Ph.D. (3<sup>rd</sup> – 6<sup>th</sup> Semester)

Semester	Course Title	Code	Cr. Hrs.
3 <sup>rd</sup> Semester	Thesis-1	8187	9
4 <sup>th</sup> Semester	Thesis-2	8188	9
5 <sup>th</sup> Semester	Thesis-3	8189	9
5 <sup>th</sup> Semester	Thesis-4	8190	9
<b>Total Credit Hours of Thesis:</b>			<b>36</b>

### MPhil Physics Program

#### 1. Eligibility

- i. The minimum entry requirements for admission to **MS/MPhil/ or equivalent** programs shall be minimum of 16 years of schooling or 4 years of education in the **relevant subject** after Higher Secondary School Certificate with at least second division or equivalent CGPA/GPA (124 credit hours from HEC recognized institution).
- ii. Passed a test equivalent to GRE/GAT general conducted by the department concerned with minimum of 60% cumulative marks or as further advised by HEC from time to time.
- iii. The criteria for admission to MPhil program is based on the following components:

Component	Weightage
Academic Qualification + Research + Experience	30+5+5=40
Written Test (per HEC/AIOU Policy)	40
Interview	20
Total	100

## 2. Scheme of Studies

### Semester-wise Course Offering

Coursework during 1 <sup>st</sup> year or 1 <sup>st</sup> & 2 <sup>nd</sup> Semester	24 Credit Hours.
Thesis / Project / Dissertation during Second-year or 3 <sup>rd</sup> & 4 <sup>th</sup> semester	12 Credit Hours.
Total credit hours required for Completion.	36 Credit Hours

### Semester 1 (Core Courses)

S.#	Course Title	Course Code	Credit Hours
1	Mathematical Physics	1701	3+0
2	Electrodynamics	1703	3+0
3	Solid State Physics	1722	3+0
4	Research Methodology	7791	3+0

(Four courses will be offered in 2<sup>nd</sup> Semester depending on the needs and availability of the experts)

### Semester 2 (Optional Courses)

S.#	Course Title	Code	Cr. Hrs.
1	Advanced Quantum Mechanics	1702	3(3+0)
2	Computational Physics	1704	3(3+0)
3	Atomic & Molecular Physics	1705	3(3+0)
4	Laser Physics	1710	3(3+0)
5	Quantum Optics	1711	3(3+0)
6	Plasma Physics	1712	3(3+0)
7	Nuclear Physics	1716	3(3+0)
8	Experimental Techniques	1718	3(3+0)
9	Semiconductor Physics	1720	3(3+0)
10	Quantum Field Theory	1721	3(3+0)
11	Crystallography	1724	3(3+0)
12	Physics of Glasses	1726	3(3+0)
13	Physics of Solar Cells	1727	3(3+0)
14	Physics of Metals & Alloy	1728	3(3+0)
15	Non-Crystalline Materials	1729	3(3+0)
16	Renewable Energy Resources	1730	3(3+0)
17	Environmental Physics	7792	3(3+0)
18	Antenna Theory	7793	3(3+0)
19	E.M. Field Analysis	7794	3(3+0)
20	Microelectronics	7795	3(3+0)

21	High-Frequency Electrodynamics	7796	3(3+0)
22	Quantum Information Theory	7797	3(3+0)
23	Electron Microscopy	7798	3(3+0)
24	Climatology	8771	3(3+0)
25	First-Principles Computation	8772	3(3+0)
26	Theory and Practice of DFT Calculations	8773	3(3+0)
27	Introduction to Nanoscience and Nanotechnology	8774	3(3+0)

### 3<sup>rd</sup> Semester & 4<sup>th</sup> Semester (Research)

1.	<b>Thesis-1</b>	8073	06
2.	<b>Thesis-2</b>	8074	06
<b>Total Credit Hours of Thesis</b>			<b>12</b>

### FACULTY MEMBERS

- Dr. Syed Raza Ali Raza**  
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- Dr. Suraya Mukhtar**  
Assistant Professor  
Ph: 051-9575423
- Mr. Ather Hassan**  
Assistant Professor  
Ph: 051-9575425

- Dr. Muhammad Tariq Jan**  
Assistant Professor  
Ph: 051-9575426
- Dr. Abdul Jalil**  
Assistant Professor  
Ph: 051-9575424
- Dr. Zulfiqar Ali Shah**  
Assistant Professor  
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- Ms. Hareem Mufti**  
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- Dr. Tayyab Aftab**  
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- Dr. Hussain Ahmad**  
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# DEPARTMENT OF STATISTICS



*Prof. Dr. Irshad Ahmed Arshad*  
**Dean/Chairman**



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 a significant impact on our lives and are a key to discoveries and innovation. Over time, with concerted efforts, the Department has grown to its full potential and is vigorously involved in participating in 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 the private sector.

The vision of the 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 the 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 Programs**

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

- i. Ph.D. Statistics
- ii. MPhil Statistics
- iii. BS (4 years) Statistics

All the courses and programs are designed to meet the challenging statistical needs of 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 the syllabi of national and international universities. It helps to strengthen the statistical concepts and logical thinking among our students.

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

## **PH.D. 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 a Ph.D. in Statistics. Expert statisticians are not only needed in the area of education, but also in industry and research. The curriculum of the Program is designed in such a way that both the coursework and the research components are covered thoroughly.

### **b) Objectives**

The main objectives of Ph.D. Statistics Program are:

1. To enhance the qualification of those who could not continue their education after MPhil Statistics.
2. To provide an opportunity for in-service people to improve their qualifications and get promotions 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 Degree with minimum 3.0 CGPA out of 4.0 (in the semester system) or First Division with 60% marks (in the annual system). The Departmental Admission Committee will finalize the admissions after conducting the test and interview as per AIOU rules.

**d) Scheme of Studies for Ph.D. Statistics List of Courses:**

Sr. No.	Course Code	Course Title	Credit Hours
1	4761	Survival Analysis	3(3+0)
2	4763	Stochastic Processes	3(3+0)
3	4766	Response Surface Design	3(3+0)
4	4767	Recent Developments in Statistics	3(3+0)
5	4769	Advanced Topics in Regression and Econometrics	3(3+0)
6	4770	Advanced Topic in Statistical Inference	3(3+0)
7	9751	Actuarial Statistics	3(3+0)
8	9752	Statistical Theory for Extreme Events	3(3+0)
9	9753	Mixture Distributions	3(3+0)
10	9754	Applied Time Series Econometrics	3(3+0)
11	9755	Spatial Data Analysis	3(3+0)
12	9756	Generalized Logistic Regression	3(3+0)
13	9758	Multilevel Modeling	3(3+0)
14	9759	Mathematical Demography	3(3+0)
15	8000	Time Series Analysis and Forecasting	3(3+0)
16	8001	Applied Stochastic Models	3(3+0)
17	8002	Advanced Distribution Theory	3(3+0)
18	8003	Advanced Bayesian Inference	3(3+0)
19	8004	Generalized Linear Mixed Models	3(3+0)

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

**Research Work**

Semester	Course Title	Code	Cr. Hrs.
3 <sup>rd</sup> Semester	Thesis-1	8183	09
4 <sup>th</sup> Semester	Thesis-2	8184	09

5 <sup>th</sup> Semester	Thesis-3	8185	09
5 <sup>th</sup> Semester	Thesis-4	8186	09
<b>Total Credit Hours of Thesis:</b>			<b>36</b>

**FACULTY MEMBERS**

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# DEPARTMENT OF CHEMISTRY



*Dr. Uzma Yunus*  
**Chairperson**



The Department of Chemistry was established in March 1998. Its faculty consists of four Associate professors, four Assistant Professor, three Lecturers and two Research Associates. The department has the most modern equipment/ instrumentation in its teaching and research labs in the Science Block at AIOU's main campus. These equipment/ instrumentations include CHNS Analyzer, Thermal Analyzer, UV-Visible, Fluorescence and FTIR Spectrophotometers, GC-MS, HPLC, Atomic Absorption spectrometer, ICP-MS and Electrochemical System etc.

The department has developed all the courses for undergraduate, graduate, postgraduate and Ph.D. levels

following the guidelines provided by the Higher Education Commission (HEC). These courses are reviewed from time to time through the 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. The Department has also signed MOU with the university of Rostock, Germany. By this MOU, our Ph.D. 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 Ph.D. students.

**At present, department of Chemistry is offering the following programs:**

1. BS Chemistry (FSc based, ADS based and BSc based) Organic, Inorganic and Physical Chemistry Specialization.
2. M. Phil Chemistry
3. Ph.D. Chemistry

### **MPhil and Ph.D. (Chemistry)**

The Department of Chemistry is offering M. Phil Chemistry and Ph.D. Chemistry programs at the main campus, AIOU. Currently specialization is being offered in the field of Organic chemistry. Later, specialization in other branches of Chemistry will be offered.

#### **1. Objectives**

M. Phil and Ph.D. Chemistry programs are research-based degrees. The main objective of these programs is to inculcate a culture of research and innovation through high-quality

work. The capacity to devise, design and conduct research that has real academic weight.

#### **2. Eligibility**

##### **(a) MPhil Chemistry**

A person holding M.Sc./BS (at least 2<sup>nd</sup> division) in Chemistry is eligible to apply for admission to M. Phil Chemistry Program. Admission will be entirely on merit and restricted to the number of seats available. The department

will conduct a written test and interview for admission.

##### **(b) Ph.D. Chemistry**

Candidates holding MS/MPhil or equivalent degrees in Chemistry with CGPA of 3.0 in the semester system or equivalent are eligible to apply for Ph.D. Program.

#### **3. Scheme of Studies for M. Phil Chemistry**

- i. A student will have to complete a total of 24 credit hours of course work in the first and second semesters.
- ii. In the third & fourth semesters, students will conduct research and thesis on approved topics as per AIOU rules.
- iii. The minimum period to complete the research thesis shall be two semesters.
- iv. The maximum period for the completion of the M. Phil Degree program is four years (8 semesters) only.

#### **List of MPhil Chemistry Theory Courses**

##### **Semesters: I & II**

Course Code	Course Title	Credit Hours
1700	Medicinal Chemistry	3

1745	NMR Spectroscopy	3
1746	Advanced Heterocyclic Chemistry	3
1751	Advanced Organic Synthesis	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
1770	Plastic Materials	
1772	Theoretical background of Organic Lab. Techniques	3
1773	Organic Spectroscopy	3
1774	Homogenous Catalysis	3
<b>Research Work (3<sup>rd</sup> &amp; 4<sup>th</sup> Semester)</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
8083	Thesis-1	6
8084	Thesis-2	6

**Note:** Any four courses will be offered in the 1<sup>st</sup> semester, subject to the availability of experts. In the 2<sup>nd</sup> semester any four courses from the remaining courses will be offered.

**(b) Scheme of Studies for Ph.D. Chemistry**

1. Initially, the student is required to complete 18 credit hours of Ph.D. course work. After completions of course work, he/she has to pass comprehensive Examination.
2. Besides the completion of Ph.D. coursework and other requirements, a candidate has to complete research work and thesis as per AIOU rules.
3. For a Ph.D., the student has to complete all other formalities, prescribed by the Higher Education Commission.

**List of Ph.D. Chemistry Theory Courses**

**Semesters: I & II**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
1756	Organic Photochemistry	3 (3+0)
1757	Pericyclic Chemistry	3 (3+0)
1758	Reaction Mechanism	3 (3+0)
1762	Quantum Organic Chemistry	3 (3+0)
1765	Advanced Nuclear Magnetic Resonance (NMR) Spectroscopy	3 (3+0)
1766	Special Topics in Chemistry	3 (3+0)
1767	Mass Spectrometry	3 (3+0)
1768	Special Techniques in Organic Synthesis	3 (3+0)
1769	Theoretical Aspects of Spectroscopy	3 (3+0)
1789	Literature Review and Seminar	3 (3+0)
1799	Instrumental Methods of Analysis	3 (3+0)

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

**Ph.D. Chemistry Research Work & Thesis  
(Semester III – V)**

Semester	Course Code	Course Title	Credit Hours
3 <sup>rd</sup> Semester	8079	Thesis-1	9
4 <sup>th</sup> Semester	8180	Thesis-2	9
5 <sup>th</sup> Semester	8181	Thesis-3	9
6 <sup>th</sup> Semester	8182	Thesis-4	9

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# DEPARTMENT OF BIOLOGY



*Dr. Hina Fatima*  
**In-Charge**



The approval for the establishment of the Department of Biology was granted by the Executive Council in February 1998. The objective of its establishment is to provide human resources/skilled personnel in various areas of Biology. Furthermore, the purpose is to educate future generations and improvement of quality of life and welfare of human beings through research for the environmentally sustainable and socially equitable use of natural resources. The Department is unique in imparting distance-learning and face-to-face education in Pakistan in the field of Biology. The mission of the Department of Biology is to educate students in various disciplines of Life Sciences including those who could not

continue their education due to economic or job constraints. The department is enriched with highly qualified regular faculty to fulfill teaching and research requirements. Well-equipped research and teaching labs are available in the Science Block at AIOU main campus to cater for practical and research requirements. These equipment/instrumentations include Water Distillation Unit, Thermo cycler, Gel documentation system, Centrifuge, Biosafety cabinet level 1, Autoclave, Microscopes, Spectrophotometer, Single photon Avalanche Diode (SPAD), Microtome, Polyacrylamide gel electrophoresis (PAGE) apparatus, Horizontal Agarose gel electrophoresis apparatus, Ice Maker, ELISA etc.

The Department has developed all the courses for BS and M. Phil programs following the guidelines provided by the Higher Education Commission (HEC). The outlines of said courses are reviewed from time to time and are updated by incorporating recent trends in the discipline. At present, the Department is offering the following programs:

- i. BS Botany
- ii. BS Biochemistry
- iii. BS Microbiology
- iv. **M. Phil Program in “Microbiology & Molecular Genetics”**

### **MPhil Microbiology & Molecular Genetics**

#### **1. Objectives**

MPhil program is a research-based degree. **The main objective of this program is to provide adequate facilities and opportunities through microbiological and molecular genetics research to explore, increase and improve health,**

environment, agriculture, and industrial applications.

#### **2. Eligibility**

A person who has completed minimum Sixteen Years of Education in Biology, Microbiology, Biochemistry, Molecular Biology, Bio-Sciences, Botany (Plant Sciences), Zoology (Animal Science), Microbiology and Molecular genetics, Genetics, MBBS/ BDS/ DVM, D-Pharmacy from a recognized University is eligible to apply for MPhil “Microbiology and Molecular Genetics” program. He/she should have at least 50% marks in the last degree and no third division in relevant academic degrees/certificates. Admission will be entirely on merit and restricted to the number of seats available.

#### **3. Scheme of Studies**

##### **Semester-wise Layout of Courses**

<b>1<sup>st</sup> Semester</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO7501	Research Techniques and Instrumentation	3 (3+0)
BIO7502	Advanced Microbiology	3 (3+0)
BIO7503	Biosafety and security	3 (3+0)
BIO7504	Advanced Molecular Biology	3 (3+0)
<b>2<sup>nd</sup> Semester</b>		
	<b>Course Title</b>	<b>Credit Hours</b>
	Elective – I	3 (3+0)
	Elective – II	3 (3+0)
	Elective – III	3 (3+0)
	Elective – IV	3 (3+0)
<b>Total Credit Hours for Course Work</b>		<b>24</b>

Note: Any four courses will be offered in the 2<sup>nd</sup> semester, from the list of approved elective courses.

### Research Work

Semester	Course Title	Course Code	Credit Hours
3 <sup>rd</sup> Semester	Thesis 1	BIO8501	6
4 <sup>th</sup> Semester	Thesis 2	BIO8502	6

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# DEPARTMENT OF ENVIRONMENTAL SCIENCES



*Dr. Sofia Khalid*  
**Chairperson**



The approval for the establishment of the Department of Environmental Sciences was granted by the Executive Council in February 1998. The department was initiated to create awareness and understanding of the knowledge and skills required for sustainable environmental management. The purpose of its establishment is to educate future generations and improvement of quality of life and welfare of human beings through research

for the environmentally sustainable and socially equitable use of natural resources. The department is determined to provide quality education to its wards through scientific and project-based learning curricula.

The Department of Environmental Sciences is committed to educating its students for the sustainable development of society, ensuring economic stability with an eco-centric approach to development. Students from different fields can opt for environmental sciences not only as a degree of substantial market values but also for their personal development on important moral values of environmental stewardship, so they can contribute significantly to the achievement of a better and sustainable society.

The Department is continuously growing and flourishing both on quality teaching and research facilities to facilitate its students in better learning. Undoubtedly the current era is a modern new world of environmental challenges that questions the safety and stability of life on Earth. Through its developing labs and faculty, the Department of Environmental Sciences aims a holistic educational approach for the students to deal with the challenges of the modern era.

The Department is offering undergraduate and MPhil programs:

- v. BS Environmental Science 4- Years
- vi. BS Environmental Science (2.5 Years)
- vii. BS Environmental Science AD based (2 Years)
- viii. MPhil Environmental Science (2 Years)

The Department has well -established lab facilities to foster the developing research ideas of the enrolled students, with competent faculty to guide them.

## **MPhil Environmental Sciences**

### **1. Introduction**

The Department of Environmental Science offers M. Phil Environmental Sciences (2 years) degree for graduates from versatile relevant fields.

### **2. Objectives**

MPhil Environmental Sciences is research-based degree program that intends to:

- a. Foster novel ideas to achieve environmental sustainability.
- b. Capacity building of the students to address environmental challenges with scientific knowledge and technological advancements.

### **3. Eligibility**

The minimum admission requirement for to MPhil will be the completion of Sixteen Years of Education in any of the given subjects, that is Environmental Science, Chemistry, Botany, Zoology, Geography, Geology (Earth Science), Biochemistry, Microbiology, Agriculture, Forestry, Horticulture, Entomology, Range Management, Public Health.

Any student seeking admission should have at least 50% marks in the previous degree program.

### **4. Scheme of Studies**

- i. A student will have to complete a total of 24 CH of course work in the first and second semesters.
- ii. In the third & fourth semesters, students will conduct research and thesis (12 CH) on approved topics as per AIOU rules.

- iii. The minimum period to complete a research thesis shall be two semesters.
- iv. The maximum period for the completion of the MPhil Degree program is four years (8 semesters) only.

#### Semester-wise lay-out of courses

<b>Semester I</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO7501	Research Techniques and Instrumentation	3 (3+0)
TBD	Strategic Environmental Assessment and Management	3 (3+0)
BIO7503	Biosafety and security	3 (3+0)
TBD	Advances in Ecology	3 (3+0)
<b>Semester II</b>		
	<b>Course Title</b>	<b>Credit Hours</b>
	Elective – I	3 (3+0)
	Elective – II	3 (3+0)
	Elective – III	3 (3+0)
	Elective – IV	3 (3+0)
Total Credit Hours for Course Work		24

**Note:** Any four courses will be offered in the 2<sup>nd</sup> semester, from the list of approved elective courses.

#### Research Work

<b>Semester</b>	<b>Course Title</b>	<b>Course Code</b>	<b>Credit Hours</b>
3 <sup>rd</sup> Semester	Thesis 1		6
4 <sup>th</sup> Semester	Thesis 2		6

#### List of Elective Courses

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
	Principles and Applications of Bioremediation	3 (3+0)
	Wildlife and Forest Conservation	3 (3+0)
	Climatology	3 (3+0)
	Waste Management	3 (3+0)
	Air Pollution and its Control	3 (3+0)
	Environmental Microbiology and Public Health	3 (3+0)
	Cell and Tissue Culture Technology	3 (3+0)
	Edaphology	3 (3+0)
	Limnology	3 (3+0)
	Allelopathy	3 (3+0)
	Plant Stress Physiology	3 (3+0)

#### FACULTY MEMBERS

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# DEPARTMENT OF COMPUTER SCIENCE



***Dr. Saleem Iqbal***  
**Chairman**



The Department of Computer Science is an established department under the Faculty of Sciences. The Department of Computer Science has developed curricula for the academic programs at various levels to meet the national and international standards as defined by Higher Education Commission. The curricula include Ph.D. (Computer Science), MS (Computer Science), BS (Computer Science) and Post Graduate Diploma (PGD) in Computer Science. The department is equipped with the latest computers and hardware labs. We practice the multi-method teaching methodology i.e., face-to-face regular classes for BS (Computer Science), MS (Computer Science) and Ph. D (Computer Science). The online methodology is practiced for PGD (Computer Science) program. The facilities of Video/Audio Conferencing are also in use for lectures/consultations in research-oriented degrees. The department is actively involved in research and development in the following areas:

- Ubiquitous Computing
- Software Defined Networks
- Image/Video Processing
- Data Analytics/Big Data
- Artificial Intelligence
- Information Security and E-learning

## **Ph.D. (Computer Science)**

The Ph.D. (Computer Science) program is offered at the Department of Computer Science, Main Campus Islamabad. It comprises of 18 credit hours of course work, followed by 36 credit hours of research work (Thesis). The Ph.D. in Computer Science program at AIOU is a rigorous and advanced academic endeavor that provides students with the opportunity to delve deeply into the multifaceted world of Computer Science. This program is designed to cultivate exceptional researchers and scholars who will contribute to cutting-edge advancements and innovations in the field. Through comprehensive coursework, intensive research, and collaborative mentorship, students in this program acquire profound expertise and critical thinking skills, preparing them for influential roles in academia, industry, and beyond.

### **1. Objectives:**

The objectives of the program are to:

1. Promote research excellence through original and impactful investigations in specific subfields of Computer Science.

2. Facilitate scholars with indigenous research and development projects for better training and education.
3. Encourage interdisciplinary collaboration for innovative problem-solving.

### **2. Eligibility:**

A candidate is eligible to apply for a Ph.D. (Computer Science) program having MS in the relevant field or equivalent level with minimum CGPA of 3.0 out of 4.0 or 70% marks.

## **Scheme of Studies:**

### **Semester 1**

<b>Course Title</b>	<b>Cr. Hours</b>
Ph.D. Elective- I	3 (3 + 0)
Ph.D. Elective -II	3 (3 + 0)
Ph.D. Elective -III	3 (3 + 0)

### **Semester 2**

Ph.D. Elective -IV			3 (3 + 0)
Ph.D. Elective -V			3 (3 + 0)
Ph.D. Elective -VI			3 (3 + 0)
<b>3<sup>rd</sup>Semester</b>	Thesis-1	8199	9
<b>4<sup>th</sup>Semester</b>	Thesis-2	8200	9
<b>5<sup>th</sup>Semester</b>	Thesis-3	8201	9
<b>6<sup>th</sup>Semester</b>	Thesis-4	8202	9

### Ph.D. Courses List (Elective):

The following is the list of elective courses for Ph.D. (CS) course work.

Course Code	Course Titles	Credit Hours
7701	Software Development Tools & Processes	3
7702	Advanced Database System Design	3
7703	Advance Data Mining	3
7704	System Simulation	3
7705	Internet Systems and Application	3
7706	Topics in Video Computing	3
7707	Image and Video Compression	3
7708	Digital Image Processing	3
7709	Multimedia Systems	3
7710	Computer Animations in Education	3
7711	Philosophy of Cognition	3
7712	Educational Technology: Design & Evaluation	3
7713	Topics in Machine Learning	3
7714	Knowledge Engineering	3
7715	Ph.D. Research Seminar I Research Paper I	NC
7716	Ph.D. Research Seminar II Research Paper II	NC

**Note:** Ph.D. seminars will be delivered by students so that their program is effectively monitored. The department will monitor and make arrangements for this noncredit activity. Conference presentations will be encouraged.

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# DEPARTMENT OF MATHEMATICS



*Dr. Nasir Rehman*  
**Chairman**



In June 2014, the Department of Mathematics & Statistics has been bifurcated as two independent Departments. The newly established Department of Mathematics had been shifted from the Research Complex, Science Block to Block No.07 and started functioning over there. Presently the department is offering courses in Mathematics at Secondary School Certificate (SSC), Higher Secondary School Certificate (HSSC) and Bachelor levels. Currently the Department is offering the following programs:

- Ph.D. Mathematics
- MPhil Mathematics
- BS Mathematics

MPhil Mathematics is in the pipeline after consulting the syllabi of national and international universities. It will strengthen the mathematical concepts of the candidates and will enhance their logical thinking. This program will also cater to the needs of information technology and other sciences disciplines.

### **MPhil Mathematics Program**

To meet the challenging requirements of today's fast-growing world, we are in desperate need of experts in the field of Mathematics. By realizing the shortage of experts in Mathematics, AIOU has planned to offer MPhil in Mathematics. We need expert mathematicians not only in the area of education but also in industry and research. The curriculum of this program is designed in such a way that both the course-work and the research components are covered thoroughly. The expertise of distinguished mathematicians is hired to teach the students of the MPhil Mathematics Program.

#### **1. Objectives**

- To enhance the qualification of those who could not continue their education after MSc Mathematics through formal universities.
- To provide an opportunity to service people to improve their qualifications and get promotion in their respective departments.

- To produce quality teachers/researchers of Mathematics at all levels.

#### **2. Summary of the Program:**

Total Credit Hours	36 Credit Hours	Course Work	24 Credit Hours
		Research Work	12 Credit Hours
Minimum Duration	04 Semesters (02 Years)		
Areas of Specialization	i. Pure Mathematics ii. Applied Mathematics		

#### **3. Eligibility**

Candidates having BS/MA/MSc in Mathematics with minimum CGPA of 2.5/4 or 45% marks in the annual system from any HEC-recognized university.

#### **4. Scheme of Studies:**

##### **Semester-I**

Sr.#	Course Title	Course Code	Credit Hours
1.	Probability and Stochastic Processes	7753	3(3+0)
2.	Theory of Fluids	7732	3(3+0)
3.	Advanced Ring Theory	7741	3(3+0)
4.	Advanced Topology	7754	3(3+0)

##### **Semester-II**

1.	Optional-I		3(3+0)
2.	Optional-II		3(3+0)

<b>3.</b>	Optional-III		3(3+0)
<b>4.</b>	Optional-IV		3(3+0)
<b>Semester-III</b>	Thesis-1	8170	6
<b>Semester-IV</b>	Thesis-2	8171	6
<b>Total Credit Hours</b>			<b>36</b>

#### List of Optional Courses (Applied Math)

1.	Mathematical Techniques for BVPs	7733	3(3+0)
2.	Advanced Partial Differential Equations	7748	3(3+0)
3.	Advanced Analytical Dynamics-I	7736	3(3+0)
4.	Computational Fluid Dynamics	7744	3(3+0)
5.	Discrete-Time Finance	7760	3(3+0)
6.	Numerical Solutions of PDEs	7743	3(3+0)

#### List of Optional Courses (Pure Math)

1.	Theory of Group Actions	7731	3(3+0)
2.	Theory of Group Graphs	7742	3(3+0)
3.	Theory of Semi Rings	7740	3(3+0)
4.	Cellular Automata and Groups	7752	3(3+0)
5.	Fixed Point Theory	7735	3(3+0)
6.	Ordered Vector Spaces	7730	3(3+0)

#### FACULTY MEMBERS

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# DEPARTMENT OF NUTRITIONAL SCIENCES AND ENVIRONMENTAL DESIGN



*Prof. Dr. Hajra Ahmad*  
**Chairperson**



Pakistan is a developing country, and it is the need of the hour to improve the standard of education in all disciplines especially in science and technology to better cope with the challenges of the 21st century. The Department was first established in 1981. During the last few decades the Department has developed a range of professional programs in Health and Nutrition, Environmental Design and Home Economics. Multipurpose teaching/ research labs for Food and Nutrition and Environmental Design programs have been set up 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 gradation of a 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 programs/courses in the areas of Health, Food & Nutrition, Home Economics and Environmental Design. The courses are now being offered at undergraduate, postgraduate, MS and Ph.D. level programs. Many of these courses are supported by audio-visual programs.

**Currently the Department is offering the following programs:**

1. Ph.D. Food and Nutrition
2. MS Community Health & Nutrition
3. MS Environmental Design (Continuing students only)
4. Postgraduate Diploma in Environmental Health & Safety
5. Certificate Courses in Public Health
6. A range of courses at SSC and HSSC level

**A. PH.D. 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 several 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 the country's economic growth.

The health professionals during their basic five years of training go through a heavy syllabus of medicine, surgery, and curative aspects with a little emphasis on Food and Nutrition. The need for the application of nutritional knowledge arises more during their practice at various health outlets. Similarly, 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 Ph.D. Food and Nutrition is to offer a need based research program that focuses on the research-based prevention strategies for a wide range of avoidable nutritional problems. It focuses on in-service health professionals and nutritional experts involved in teaching postgraduate-level programs committed to undertake good nutritional care for the community. In the beginning the program was partially funded by Department for International Development (DFID) & British Council under Higher Education Link (HEL) Program. Technical assistance and expert advice have been provided by the Center for Health and Nutrition Research, Nine Wells Hospital of the University of Dundee, Scotland, UK.

## 2. Objectives

**Ph.D. 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 and analysis and to conclude 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 program is especially designed for;

1. Home Economists (Food & Nutrition) or equivalent working in different educational environments/ agencies/ organizations, aspiring to continue their studies for the attainment of a higher degree in the relevant field.
2. In-service medical officers holding master's degrees in Community Health and Nutrition from AIOU.
3. In-service Dietitians holding master's degree in Community Health & Nutrition from AIOU.
4. Food Scientists holding MSc Honors degrees in relevant discipline.

## 4. Eligibility Criteria

The minimum entry requirement for admission to Ph.D. program shall be 18 years of schooling in the following subjects with CGP-3.0%/First division from HEC-recognized institutions. **Admissions will be made**

**according to the university policy and criteria laid down by the Higher Education Commission (HEC)/AIOU for Ph.D. programs.**The following degree holders are eligible for admission in this program.

- MS/M. Phil Food & Nutrition (Home Economics)
- MS/M. Phil Human Nutrition
- MS/M. Phil Community Health & Nutrition (AIOU)
- MSc (Hons.) Food Technology (with the condition to study deficiency courses in one extra semester)

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

Face-to-face compulsory teaching each week will be held at the main campus in Islamabad only.

## 5. Scheme of Studies

- i. Initially, the student is required to complete 21 credits hours of Ph.D. course work. After this period, he/she has to pass a comprehensive Examination.
- ii. Besides completion of Ph.D. course work and other requirements, a candidate has to complete research work and thesis as per AIOU rules.
- iii. For a Ph.D., the student has to complete all other formalities, prescribed by the Higher Education Commission of Pakistan.

### 1<sup>st</sup> Semester

Course Code	Course Title	Credit Hours
2762	Nutrition Through Life Cycle	3 (2+1)
2764	Principles of Nutritional Assessment	3 (2+1)
2791	Food Safety and Health	3 (2+1)
2792	Advanced Research Methods	3 (2+1)
<b>2<sup>nd</sup> Semester</b>		
2766	Nutrition and Dietetics for Health Care	3 (2+1)
2767	Functional Foods (Updated/Revised)	3 (2+1)
2793	Advances in Food and Nutrition	3 (2+1)

### Research Work

Semester	Course Title	Course Code	Credit Hours
<b>3<sup>rd</sup> Semester</b>	Thesis-1	8195	9
<b>4<sup>th</sup> Semester</b>	Thesis-2	8196	9
<b>5<sup>th</sup> Semester</b>	Thesis-3	8197	9
<b>6<sup>th</sup> Semester</b>	Thesis-4	8198	9

## B. MS COMMUNITY HEALTH AND NUTRITION

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 Dieticians/ Nutritionists and Health Professionals in Health Organizations.

### 1. Objectives

The objectives of the programs are given as under:

- i. To promote the profession of Community Health, Nutrition and Dietetics.
- ii. To provide opportunities for medical professionals to enrich their education in the field of nutrition and enhance their knowledge in this branch of preventive health.
- iii. 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 program was initially facilitated by Kings College, London, U.K. in terms of the scheme of studies, course contents and write-up of the study material. It is offered as per the HEC criteria, in which teaching is centralized i.e., face-to-face. Qualified tutors in the related disciplines are identified and appointed 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 with at least second division equivalent CGPA in the relevant discipline. Admissions will be made according to the criteria laid down by Higher Education Commission (HEC) for MS programs. The following degree holders are eligible for admission to this program:

- 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. Scheme of Studies

##### MS Community Health & Nutrition Program

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. The minimum duration for submission of a thesis is two Semester (One Year).

Proposed scheme of studies for MS Community Health and Nutrition.

##### Semester-Wise Offering of Course (MS)

###### 1st Semester

Sr. #	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. #	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)

<b>3<sup>rd</sup> Semester</b>	Thesis-1	8085	6
<b>4<sup>th</sup> Semester</b>	Thesis-2	8086	6

##### List of elective courses for MS (CHAN):

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

Sr. #	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	

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# DEPARTMENT OF AGRICULTURAL SCIENCES



***Prof. Dr. Sher Muhammad***  
**Chairman**



The Department of Agricultural Sciences (DAS) was established in 1975. Previously, the DAS was focusing on strengthening the age. sector and rural communities through teaching & bridging social gaps. Now DAS is trying to transform conventional agriculture to more resilient and sustainable farming in the country. To achieve the set goals, DAS has already functioned with full capacity in providing bioproducts (biofertilizers & biopesticides), advisory services to grow vegetables and crops with resource-efficient means and shifted core degree courses from ODL mode to F2F mode.

State-of-the-art labs equipped with the latest tools have been established to promote cutting-edge technologies among farming communities after successful evaluation & verification. The DAS aims to impart skills and build capacity in agri. graduate to explore opportunities in private and public entrepreneurship. The DAS has redefined its mission & vision in changing world scenarios. State-of-the-art knowledge and trained manpower are the dire need of the hour to bring resilience to food systems & feed the population with safe and quality foods.

### **Programs:**

The DAS offers the following program/courses at different levels.

#### **Program at Postgraduate Level**

1. Ph.D. Agricultural Extension
2. MPhil Agricultural Technology
3. MSc (Hons) Agricultural Extension
4. MSc (Hons) Rural Development
5. MSc (Hons) live Stock Management

Besides Postgraduate programs the Department also offers Higher Secondary School Certificate (HSSC), Secondary School Certificate (SSC) and STEP courses.

### **Future Program:**

The Department of Agricultural Sciences (DAS) intends to offer the following program in the future:

Ph.D. Agricultural Technology

## **1. Ph.D. Agricultural Extension**

### **a) Introduction**

Education is a continuous life long process. It is the most

effective tool for creating a high productive manpower. Agricultural Education in Pakistan needs to integrate the goals of improving human, social and ethical attributes in the students, with specific requirements to produce graduate who can perform various tasks in the agricultural economy of the country, both in the public and private sectors.

For agricultural development in the country, strong linkages among institutions, human resource development and technology transfer are very important. The technological transfers, being a continuous process, can be done in a well-organized way through an efficient agricultural extension system where integrated roles of the scientists, the extension agents and the farmers are all importantly interlinked. The scientist on their part develops better-yielding varieties and breeds of crop and animals and the extension agent, on his part, convinces the farmers of the product's utilitarian importance. The farmer, when convinced, will certainly adopt innovations for his economic betterment.

Allama Iqbal Open University is concerned with the education part of the Agricultural Extension system has launched Ph.D. degree level program in Agricultural Extension to prepare scholars who have a grasp of the discipline in general and a command over the area of specialization in particular.

### **b) Objectives:**

Ph.D. Program in Agricultural Extension is designed to:-

- Prepare scholars who have a grasp of the discipline in general and a command over the area of specialization in particular.
- Establish a cadre of specialists and professionals in the field of Agricultural Extension who can provide

effective leadership in guiding and conducting quality research in Agricultural Extension.

- Provide opportunities of professional growth and development of scholars in general and in-service personnel in particular.

**c) Admission Requirements**

1. The minimum entry requirement for admission to Ph.D. in Agricultural Extension shall be M.Sc (Hons) Agricultural Extension with first division or 3.0 CGPA.

**OR**

MSc (Hons) Agriculture degree with first division or 3.0 CGPA with deficiency courses. The deficiency courses will be given by Ph.D. admission committee to those candidates whose basic eligible degree is other than Agricultural Extension specialization from approved courses of the MSc (Hons) Agricultural Extension Program.

**d) Courses of Ph.D. Agricultural Extension**

The following courses will be taught in Ph.D. Agricultural Extension program and the total credit hours are 18, according to the HEC criteria.

**1<sup>st</sup> Semester**

Sr. No.	Course Code	Course Title	Credit Hours
1	1742	Application of Extension Methods	3(3+0)
2	2527	Communication Strategies in Agricultural Extension	3(3+0)
3	2524	Agricultural Extension in Developing Countries	3(3+0)

**2<sup>nd</sup> Semester**

1	2505	Diffusion of Innovation	3(3+0)
2	1743	Community Development and Gender Issues	3(3+0)
3	1744	Special Topics	3(3+0)

**Research Work (3<sup>rd</sup> – 6<sup>th</sup> Semester of 36 Cr. Hrs.)**

Semesters	Course Code	Course Title	Credit Hours
<b>3<sup>rd</sup> Semester</b>	8203	Thesis-1	9
<b>4<sup>th</sup> Semester</b>	8204	Thesis-2	9
<b>5<sup>th</sup> Semester</b>	8205	Thesis-3	9
<b>6<sup>th</sup> Semester</b>	8206	Thesis-4	9
<b>Total Credit Hours</b>			<b>54</b>

**2. MPhil Agricultural Technology**

The main purpose of the MPhil Agricultural Technology degree is to explore the high level of technical innovation currently being applied to agricultural production. The major challenges to sustainable agriculture in Pakistan are unavailability of quality seed, declining soil health, fragile cropping systems, looming water crisis, environmental degradation owing to indiscriminate use of farm chemicals, post-harvest losses, minimal value addition and product differentiation, inadequate food storage and preservation, poor marketing system and low production of meat, poultry and eggs. Achieving sustainability in food production and food security continues to be a challenge in the developing world including Pakistan. Over the past two decades, global food production has increased largely because of advances in

innovative agriculture technology. MPhil Agricultural Technology degree will provide students with a solid foundation in agricultural business practices, expanding their career options in agro-based industries. It can also be the first step in securing a more advanced degree in the field of Agri-Tech. This degree will acquire popularity for two reasons. First, mass food production and mega-farming requires mastery of ever-more sophisticated scientific farm operations and postharvest techniques as well as meat, poultry, and egg production. Second, to ensure food security and minimize post-harvest losses in the country. Hence, this program will be offered to people who want to use their skills to address the problems of hunger and sustainable development in the country. In addition, sustainable agriculture (organic, ecological and environment-friendly technologies) is of wide interest around the world. Global warming and related trends have led to an awareness of the need to preserve natural resources such as clean water and fertile soil around the world. This degree will give students the comprehensive technical knowledge to formulate minerals, chemical and bioproduct indigenous materials available on farms. The students will be able to select/identify materials indigenously available on farms and have the capacity to convert them into valuable products for enhancing crop productivity.

**b) Aims:**

MPhil Agricultural Technology is an entrepreneurship-based degree. It will generate highly technical manpower who will be job producers not job seekers. Each course in this program is a-complete entrepreneurship. After obtaining this degree, the students will be engaged in the flower industry, seed industry, organic agriculture industry, food industry, milk meat and dairy industry.

**c). Objectives:**

- i. To generate, integrate, and apply knowledge to individuals pursuing a higher degree in agriculture technology.
- ii. To enable MPhil Agricultural Technology holders to work as technical experts for progressive farmers, and agro-based industries to increase products and improve the quality of production.
- iii. The degree holders will play important roles in greater efficiencies and lower prices of agricultural produce, safer growing conditions, and safer foods as well as reduced environmental and ecological impact.

**d) Admission Requirements:**

The candidates possessing B.Sc. (Hons.)/BS Agriculture, B.Sc. (Hons.)/BS Agriculture Biotechnology, B.Sc. (Hons.)/BS Animal Husbandry and B.Sc. (Hons.)/BS Food Technology degree with at least 2<sup>nd</sup> division or equivalent CGPA/GPA from national and international HEC recognized institutions will be eligible for admission in MPhil Agricultural Technology.

**Courses of MPhil Agricultural Technology:**

**1<sup>st</sup> Semester**

Sr. No.	Code	Title of Course	Credit Hours
1	AGSI 7501	Commercial Flower Production	3(2+1)
2	AGSI 7502	Seed Production and Technology	3(2+1)
3	AGSI 7503	Entrepreneurship in Agriculture	3(2+1)
4	AGSI 7504	Digital Agriculture	3(2+1)

### 2<sup>nd</sup> Semester

1	AGSI 7505	Plant Nutrition and Bioproduct Development	3(2+1)
2	AGSI 7506	Value Added Agriculture	3(2+1)
3	AGSI 7507	Animal Nutrition and Feed Technology	3(2+1)
4	AGSI 7508	Experimental Statistics	3(3+0)
<b>3<sup>rd</sup>Semester</b>	AGSI 8501	Thesis-1	6
<b>4<sup>th</sup>Semester</b>	AGSI 8502	Thesis-2	6

## 3. MSc (Hons) Agricultural Extension

### a) Introduction

Agriculture is the principal occupation and source of livelihood for the great majority of the rural population of the country and it is the basic and largest component of our economy in terms of production, employment and export earnings. For agricultural development in a country like Pakistan, strong linkages among institutions human resource development and technology transfer are very important. The technology transfer is a continuous process cannot possibly take place in a vacuum. It needs to be done in a well-organized system of agricultural extension where the role of the scientist, the extension agent, and the farmer are all too important. The scientist must develop better-yielding varieties and breeds of crops and animals, the extension agent must, on his part, equip himself with better and more effective methods to convince the farmer about the product's utilitarian importance. Once convinced, the farmer will certainly adopt innovations for his economic betterment.

Allama Iqbal Open University, being concerned with the educational part of the Agricultural Extension system has initiated master-level courses in agricultural extension for enhancing the knowledge and skill of the Agricultural Scientist.

The program is designed to produce graduates capable of planning and managing agricultural projects and extension services.

### b) Objectives

The main objectives of the program are:

1. To improve the level of knowledge and skills of prospective students.
2. To provide skills for improving diffusion and adoption of innovations among the farming community.
3. To improve the ability and self-confidence of students of Agriculture Extension to critically analyze the Agriculture Extension service and technology transfer system with a view to identify difficulties, problems and issues in promoting applied research in farming systems research and extension.
4. To promote human resource development in agricultural extension and help to meet the training needs of extension field staff and rural communities.

### c) Eligibility

Candidates possessing BSc (Hons) Agricultural Extension degree with 2<sup>nd</sup> division.

**OR**

Other related discipline like BSc (Hons) Agriculture, Rural Sociology, Animal Husbandry, DVM and BSc Agricultural Engineering Degree in the second division are also eligible for admission in MSc (Hons) Agricultural Extension, but the Admission Committee may define deficiency courses for them, if necessary.

#### e) Scheme of Studies: Agricultural Extension Courses

##### 1<sup>st</sup> Semester

Sr. No.	Code	Title of Course	Credit Hours
1	795	Agriculture Extension Education	3(3+0)
2	796	Extension Program Development	3(3+0)
3	2525	Evaluation Research	3(3+0)
4	2526	Agricultural Extension Systems	3(3+0)

##### 2<sup>nd</sup> Semester

Sr. No.	Code	Title of Course	Credit Hours
1	2518	Scientific & Technical Writing in Agriculture Extension	3(3+0)
2	799	Adult Learning & Rural Development	3(3+0)
3	2533	The Process & Strategies of Communication in Agriculture Extension	3(3+0)
4	1793	Human Resource Development	3(3+0)

##### Research Work (3<sup>rd</sup> and 4<sup>th</sup> Semester of 12 Cr Hrs.)

8033	Thesis-1	6
8034	Thesis-2	6

**Total 36 Credit Hours**

#### 4. MSc (Hons) Rural Development

##### (a) Introduction

Despite the existence of large urban centers, Pakistan is still predominantly a rural society with approximately 70 percent of the population living in rural areas. Rural development implies comprehensive and sustainable development for

people and places in rural areas. It depends on several interrelated components including the development of appropriate production technology, dissemination of modern technology to the farming community, formulation of suitable policies for growth in the farm and rural non-farm economies, conservation and sustainable use of natural resources, and provision of infrastructure and social services. All countries in the world are subject to continual social and economic change, and the rural sectors of developing countries and countries in transition are pivotal in this process. It is recognized that in the context of increasing globalization, an understanding of the underlying driving forces of this process and its consequences is critical.

Achieving rural development and responding to these global challenges will require trained professionals with a wide range of relevant expertise. These are needed to work in government agencies, non-governmental organizations (NGOs) and the private sector. Professionals are needed who can formulate appropriate policies and plans, design and implement development projects, disseminate appropriate technology and information to farmers and small-scale entrepreneurs and manage business and the efficient delivery of services in rural areas. Recognizing the growing needs and requirements for trained professionals in rural development, AIOU has decided to initiate a Masters level program in Rural Development. This program provides graduates with an interdisciplinary base from which to approach the diverse issues involved in rural change. It is designed for students interested in pursuing careers that are interactive with the potential and problems associated with the rural sector. The program is multidisciplinary in its course contents and will provide an opportunity for in-depth study of the key elements of rural development and relevant professional practice.

## b) Objectives

The program gives students the opportunities to develop:

1. A critical awareness of the social, economic and management issues underlying socio-economic change.
2. Conceptual and analytical skills relevant to the social and economic dimensions of agriculture and related industries.
3. A set of potential skills pertinent to working in the public, private or NGO domains.
4. The ability to change with, and influence, rational debates concerning the optimal direction of rural sector change.
5. Sufficient knowledge and understanding of the major problems socio-cultural and economic conditions of rural areas in Pakistan.

## c) Eligibility

BSc (Hons) Agriculture/D.V.M./Animal Husbandry/ Agriculture Engineering degree in 2<sup>nd</sup> division or MA/MSc in Social Work/ Sociology/Rural Sociology/Anthropology/ Forestry/ Forestry Extension/ Developmental Studies/ Environmental Sciences/ Economics/HRD/NRM/Business Management degree with second division/ 2.5 CGPA.

## d) Scheme of Studies

### 1<sup>st</sup> Semester

Sr. No.	Code	Title of Course	Credit Hours
1.	1790	Sustainable Rural Development	3(3+0)
2.	1791	Regenerating Agriculture	3(3+0)
3.	1792	Rural Poverty Alleviation	3(3+0)
4.	1793	Human Resource Development	3(3+0)

### 2<sup>nd</sup> Semester

Sr. No.	Code	Title of Course	Credit Hours
1.	1794	NGO Management	3(3+0)
2.	1795	Research for Development	3(3+0)
3.	1796	Natural Resources Management	3(3+0)
4.	1797	Managing Projects in Rural Development	3(3+0)

### Research Work (3<sup>rd</sup> and 4<sup>th</sup> Semester of 12 Cr Hrs.)

8037	Thesis-1	6
8038	Thesis-2	6

**Total 36 Credit Hours**

## 5. MSc (Hons) Livestock Management

### a) Introduction:

Being a part of Agriculture, the Livestock sector plays great role in the progress of a country. One cannot deny the importance of livestock because it produces a huge quantity of food, such as beef, mutton, poultry meat, milk, yogurt and a lot of other milk and animal by-products. Millions of acres are still being cultivated with the help of farm animals in this mechanized era. Livestock and poultry yields can be further increased if people involved in this field are better and skillfully educated regarding modern techniques.

At present, higher education in livestock is imparted by formal agricultural and veterinary universities in Pakistan, which are not catering in-service personnel. However, AIOU has its character having varieties of educational methodologies within itself. The AIOU conducted a survey

to get an idea about higher education in Livestock Management and received a positive response from candidates who could not improve their qualification from formal institutes. After which the department of Agricultural Sciences (DAS) decided to offer MSc (Hons) in Livestock Management through a distance learning system, especially for those who could not enhance their qualification through formal system.

**b) Objectives:**

1. To develop human resources necessary for transferring the subsistence scale of livestock farming into commercial livestock production.
2. To provide an opportunity for continued professional development for the scientists in the area of marketing.
3. To provide information on the concepts of livestock development, public health, and their integration in livestock production practices.
4. To create awareness about livestock farming production, practices which will in turn promote community-based livestock development.

**c) Eligibility:**

Candidates possessing a DVM degree or BSc (Hons) Animal Husbandry degree equivalent to the second division in Annual System (not less than 2.5 CGP) in the semester system will be eligible for admission.

**e) Scheme of Studies**

**1<sup>st</sup> Semester**

Sr. No.	Code	Title of Course	Credit Hours
1.	780	Biochemistry	3(2+1)
2.	9475	Statistics	3(3+0)
3.	774	Meat Production	3(2+1)
4.	9476	Rangeland Management in Pakistan	3(3+0)

**2<sup>nd</sup> Semester**

Sr. No.	Code	Title of Course	Credit Hours
1.	778	Dairy Production	3(2+1)
2.	775	Livestock Management Practices	3(2+1)
3.	773	Small Ruminant Production	3(2+1)
4.	782	Livestock Industry	3(3+0)

**Research Work (3<sup>rd</sup> and 4<sup>th</sup> Semester of 12 Cr Hrs.)**

8031	Thesis-1	6
8032	Thesis-2	6

**Total 36 Credit Hours**

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# FACULTY OF SOCIAL SCIENCES & HUMANITIES



*Prof. Dr. Abdul Aziz Sahir*  
**Dean**



The Faculty of Social Sciences and Humanities was established in 1981 with five Departments. Over the years, it emerged as the largest Faculty of the university. Currently, it consists of fourteen Departments offering various undergraduate, MPhil and Ph.D. programs in major areas of Social Sciences and Humanities like, Business Administration, Economics, Sociology, Urdu, Mass Communication, Gender and Women Studies, Library &

Information Sciences, History, Pakistan Studies, English (Linguistics & Literature) and Teaching of English as a Foreign Language (TEFL). The Faculty of Social Sciences & Humanities also offers several Bachelor level Programs in such professional areas like Bachelor in library & Information Sciences (BLIS), BS-Business Administration, BS-Commerce, Mass Communication and BS English (Linguistics & Literature). Thousands of students belonging to various demographic backgrounds from all over the country are enrolled each year in these Bachelor level Programs.

Aligned 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 offers MPhil/Ph.D. Programs in Iqbaliat, Urdu and Mass Communication, Pakistani Languages, MPhil in Economics, History and Pakistan Studies. MS in Management Sciences, Ph.D. in Business Administration, MPhil in English and Ph.D. in English (Linguistics) and History.

The faculty has expanded vitally, and its programs have gained a high popularity as is clear from the rapidly rising trend of enrolment during the past decade. Further the faculty accorded high priority to improvement of quality education and modified its programs in accordance with the current challenges of the 21<sup>st</sup> century.

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

**Fee Tariff for Ph.D. Programs**  
**Faculty of Social Sciences & Humanities**

Sr. #	Nature of Fee	Amount	Description
1	Admission fee	Rs.2750/-	This fee will be paid with the fee for the first semester
2	Registration fee	Rs. 2750/-	Once at the time of Admission
3	Tuition fee for 9 credit hours course.	Rs.24750/-	(Rs.8250/- per 3 credit Hours)
4	Technology Fee	Rs.550/-	Each semester
5	Total Fee for First Semester	<b>Rs.30800/-</b>	
6	Thesis Fee (3 <sup>rd</sup> -4 <sup>th</sup> -5 <sup>th</sup> -6 <sup>th</sup> )	Rs.24750/-	Rs.24750/- per Semester
7	Thesis Evaluation Fee	Rs.99000 /-	This fee will be paid at the time of submission of thesis

**Fee Tariff for MPhil Programs**  
**Faculty of Social Sciences & Humanities**

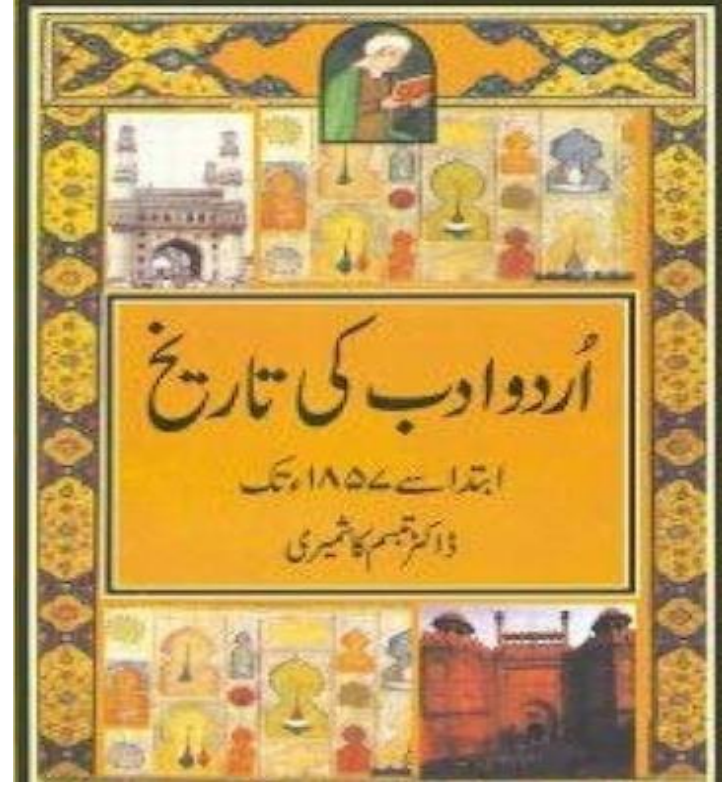
Sr. #	Nature of Fee	Amount	Description
1	Admission fee	Rs.1650/-	This fee will be paid with the fee for the first semester
2	Registration fee	Rs.1100/-	Once at the time of Admission
3	Tuition fee (4620x4)	Rs.18480/-	(Rs.4620/- per 3 credit Hours)
4	Technology Fee	Rs.550/-	Each semester
5	Total Fee for First Semester	<b>Rs.21780/-</b>	
6	Thesis Fee	Rs.9240/-	3 <sup>rd</sup> & 4 <sup>th</sup> Semester (each)
7	Thesis Evaluation Fee	Rs. 18480/-	This fee will be paid at the time of submission of the thesis

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 program.

## DEPARTMENT OF URDU



*Prof. Dr. Abdul Aziz Sahir*  
**Dean/Chairman**



The establishment of the Department of Urdu is as old as the University itself. The Department took a start to offer Teaching of Urdu to Foreigners. Besides this, script writing for Radio/TV programs was also the responsibility of the Department of Urdu. Before the establishment of the Editing Cell in the University, all the courses of the university were edited by the Department. The course "Daftri Urdu" دفترى اردو meant to introduce Urdu as an official language, first of all, was offered by the department. Since its establishment, the Department of Urdu has been playing a vital role in the introduction of Urdu as a compulsory subject. The

department is offering Urdu courses/programs at various levels i.e., from Matric to Ph.D. level. To promote the effective teaching of literature, the department has started to arrange seminars and workshops with the collaboration of external agencies. In these seminars/workshops, teachers at different colleges are invited to participate. Now the department has adopted this activity permanently every year. The sole purpose is to prepare efficient teachers for teaching the Urdu language and literature.

## PH.D. IN URDU

### Profile of the Program

The Department of Urdu is offering Ph.D. Urdu in Autumn 2023 Semester. Ph.D. students are required to complete specific course work & research work under the supervision of qualified supervisors. This program is designed to carry out research in different fields so that new aspects could be discovered by applying independent critical judgment through research skills.

### 2. Aims and Objectives of the Ph.D. Program

Ph.D. Program is designed to:

- i. Produce scholars who have a grasp of discipline in general and a command over the area of specialization.
- ii. Establish a cadre of specialists and professionals in different fields of scholarship who can provide effective leadership in guiding and conducting quality research in various disciplines.
- iii. Provide opportunities for professional growth and development to scholars in general and in-service personnel, in particular.

### 3. Eligibility

MPhil Urdu or equivalent from any HEC-recognized university in the first division (in the Annual System) or CGPA (3.0 out of 4) in the Semester System. Merit will be determined by the Departmental Admission Committee according to the approved criteria. Conduct of test and interview by the Ph.D. admission committee.

### 4. Scheme of Studies

#### 1<sup>st</sup>Semester — Spring 2023

Code	Course Title	Credit Hours
6731	Comparative Study of Classic Literature	3
6732	Linguistics	3
6733	Applied Criticism	3

#### 2<sup>nd</sup>Semester — Autumn 2023

6734	Applied Research	3
6735	Manuscript's Study & Editing	3
6736	Style and Stylistics	3

#### Research Work (3<sup>rd</sup> – 6<sup>th</sup> Semester of 36 Cr. Hrs.)

Semesters	Course Code	Course Title	Credit Hours
3 <sup>rd</sup> Semester		Thesis-1	9
4 <sup>th</sup> Semester		Thesis-2	9
5 <sup>th</sup> Semester		Thesis-3	9
6 <sup>th</sup> Semester		Thesis-4	9
<b>Total Credit Hours</b>			<b>54</b>

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7. **Staff**  
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# DEPARTMENT OF PAKISTAN LANGUAGES



***Prof. Dr. Abdullah Jan Abid***  
**Chairman**



The Department of Pakistani Languages is offering Ph.D. Pakistani Languages and Literature program. The students are required to complete specific course work & research work under the supervision of qualified Faculty of the Department. This Program requires a specific time for completion. The degree is awarded after the evaluation of the thesis by three foreign experts from technologically advanced countries as required by the HEC. This Program is designed to carry out research in different fields of Pakistani Languages and Literature so that new aspects could be discovered by applying independent critical judgment through research skills.

## Ph.D. Pakistani Languages and Literature

### 1. Aims and Objectives

The Ph.D. Program is designed to:

- i. Produce scholars who have a grasp of the discipline in general and a command of the area of specialization.
- ii. Establish a cadre of specialists and professionals in Pakistani Languages and Literature who can provide effective leadership in guiding and conducting quality research in Pakistani Languages.
- iii. Provide opportunities for professional growth and development to scholars in general and in-service personnel.

### 2. Eligibility for Admission in Ph.D. Pakistani Languages & Literature (with the Specialization in Balochi, Brahui, Pashto, Sindhi, Sariaki & Punjabi)

- i. MPhil Pakistani Languages and Literature from AIOU in first division (in Annual System) or CGPA (3.0 out of 4.0) in Semester System.

### 3. Scheme of Studies

#### Details of Course Work of Ph.D. in Pakistani Languages & Literature

Semester	Course offered	Course Code	Cr. Hours
1 <sup>st</sup> Semester	General Linguistics	6711	03
	Pakistani Languages: Common Literary and Linguistic Heritage (i)	6712	03
	Pakistani Languages: Common Literary and Linguistic Heritage (ii)	6713	03

2 <sup>nd</sup> Semester	World Classical Literature	6714	03
	Translation Skills	6715	03
	Thesis Writing	6716	03
3 <sup>rd</sup> Semester	Thesis-1	8207	09
4 <sup>th</sup> Semester	Thesis-2	8208	09
5 <sup>th</sup> Semester	Thesis-3	8209	09
6 <sup>th</sup> Semester	Thesis-4	8210	09
<b>Total Credit Hours</b>			<b>54</b>

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# DEPARTMENT OF BUSINESS ADMINISTRATION



***Dr. Muhammad Majid Mahmood Bagram***  
**Chairman**



The Department of Business Administration was established in 1986 to impart managerial education and skills in the discipline of Business Administration. Since its inception, the Department has made tremendous progress towards achieving its goal of becoming a center of excellence in the discipline of Business Management. The Department has assembled outstanding teaching faculty and developed extensive teaching material for the improvement of education in Pakistan.

The department is offering BBA, PGD, MS Management Sciences and Ph.D. Business Administration. The department introduced the MBA Program revised as per the new guidelines of NCRC in Autumn, 2020. It is hoped that these programs would contribute significantly to the national goal of the development of professions equipped with modern business techniques. These programs are designed to

provide an opportunity to upgrade your skills and enhance the professional qualifications of future managers. Further, we believe that the graduates from this university would have recognition in the human resource market and enjoy a respectable status in public and private sector organizations, operating in Pakistan and abroad. The Department has well-qualified faculty members including Ph.D.s, MPhil/MS both from national and foreign universities.

The department is offering various programs to achieve the following objectives:

- I. To prepare graduates for public and private sector organizations and to equip them to cater to the needs of a complex and changing business environment.
- II. To encourage continuous learning and habitual receptiveness, explore new ways of identifying and dealing with opportunities and problems, to face future business challenges.
- III. To provide the business students with bottom to-top management orientation skills, enhance their business skills and enable them to integrate theory business into practice in their daily lives.

## **MASTER OF BUSINESS ADMINISTRATION (MBA) PROGRAM**

### **1. Introduction**

The purpose of the MBA Program is to enable business and non-business students and professionals to better respond to organizational demands and to help them acquire the skills needed for managing themselves and meet organizational

needs in a better way. The courses of the MBA are aimed at developing an understanding of the ways in which individuals and groups behave concerning an organization and have expertise in management. It also focuses on the way organizations shape individual action and are in-turn shape society. The specialized courses of the MBA Program will enable the students to develop an understanding of the kind of organizations and to learn different skills appropriate to administrative tasks associated with these organizational types.

It is designed to enable students to develop knowledge and skills appropriate for them to effectively manage their activities with an organization. At the Department of Business Administration, the combination of theory and practice blended to formulate its Programs.

### **2. Program Summary**

	<b>For Non-Business Graduates</b>	<b>For Business Graduates</b>
<b>Program Duration</b>	<b>2 Years</b>	<b>1.5 Years</b>
<b>Program Credit Hours</b>	<b>60</b>	<b>30</b>

### **3. Objectives**

- i. To develop the business graduates as per the requirements of the public and private sector organizations and to equip them to cater to the needs of complex and dynamic business environments.
- ii. To provide the business students and professionals' bottom to-top management orientation, enhance their

business skills, and integrate theory into practice in the professional lives.

- iii. To encourage continuous learning and habitual receptiveness, explore new ways of identifying and dealing with opportunities and problems, and face future business challenges.

#### 4. Duration and Specializations

As per guidelines of HEC, the MBA will be spread over 4 semesters for non-Business graduates and 3 semesters for applicants with business education. The Program consists of 60 credit hours and 30 credit hours for non-business and business education holder applicants respectively. The minimum period required for its completion will be 2 years for applicants having non-business education and 1.5 years for applicants having business education while the maximum period will be 4 years. MBA is a program at 18 years of education will be offered on a face-to-face basis. However, the department reserves the right to offer it online keeping in view the situation.

#### 5. Eligibility

Applicants having 16 years of education from any HEC-recognized institution with minimum 50% marks or equivalent CGPA would be eligible to apply.

#### 6. Scheme of Studies

The details of courses and tentative semester-wise offering of courses in MBA Program will be as below. However, the department reserves the right to change its offering at any time, if desired so. The detail of courses and semester wise offering of courses is as under:

#### For Non-Business Graduates (2-Years):

The Department will reserve the right to offer any elective courses in a given semester. Students will complete 60 credit hours in total as per the scheme of studies provided by the department to fulfill the degree requirements.

##### Semester-I

Sr.#	Course Title	Course Code	Credit Hours
1.	Financial Accounting	5081	3
2.	Management Theory & Practice	5029	3
3.	Business Communication	5105	3
4.	Business Mathematics & Statistics	5058	3
5.	Marketing Management	5039	3

##### Semester-II

1.	Managerial Accounting	5083	3
2.	Business Research	5036	3
3.	Production & Operations Management	5033	3
4.	Consumer Behavior	5084	3
5.	Project Management	5047	3

##### Semester-III

1.	Financial Management	5042	3
2.	Organization Behaviour	5085	3
3.	Human Resource Management	5025	3
4.	International Business & Finance	5092	3
5.	Managerial Economics	5050	3

**Semester-IV**

Sr. #	Course Title	Course Code	Credit Hours
1.	Business Policy & Strategy	5082	3
2.	Elective – I		3
3.	Elective – II		3
4.	Elective – III		3
5.	Elective – IV		3

**OR**

Sr. #	Course Title	Course Code	Credit Hours
1.	Business Policy & Strategy	5082	3
2.	Elective – I		3
3.	Elective – II		3
4.	Research Project	8565	6

**Electives courses to be chosen and 2 additional elective courses in lieu of Research Project**

**List of Elective Courses**

Sr. #	Course Title	Course Code	Credit Hours
1.	Corporate Finance	5053	3
2.	Investment and Securities Management	5099	3
3.	Analysis of Financial Statements	8551	3
4.	Behavioral Finance	5595	3
5.	Strategic Human Resource Development	8539	3

6.	Organizational Theory and Design	5095	3
7.	Human Resource Change Management	8542	3
8.	Industrial & Organizational Psychology	8596	3
9.	International Marketing	8527	3
10.	E-Marketing	8529	3
11.	Strategic Marketing	5093	3
12.	Strategic Brand Management	8548	3
13.	Financial Markets & Institutions	5086	3
14.	Marketing of Services	8528	3
15.	Distribution Channels	8530	3
16.	International Human Resource Management	8541	3
17.	Risk Management & Insurance	8546	3
18.	Retail Management	8549	3
19.	Islamic Banking	8552	3
20.	International Financial Management	8543	3
21.	Leadership in Organizations	5597	3

**For Business Graduates (1.5 Years):**

The Department will reserve the right to offer any elective courses in a given semester. Students will complete 30 credit hours in total as per the scheme of studies provided by the department to fulfill the degree requirements.

**Semester-I**

Sr. #	Course Title	Course Code	Credit Hours
1.	Managerial Accounting	5083	3
2.	International Business and Finance	5092	3
3.	Advanced Research Methods	5033	3
4.	Corporate Governance	5084	3

**Semester-II**

1.	Financial Management	5042	3
2.	Business Policy & Strategy	5082	3
3.	Production & Operations Management	5091	3
4.	Consumer Behavior	8723	3

**Semester-III**

1.	Elective – I		3
2.	Elective – II		3
<b>OR</b>			
3.	Research Project	8565	6

**List of Elective Courses**

Sr. #	Course Title	Course Code	Credit Hours
1.	Corporate Finance	5053	3
2.	Analysis of Financial Statements	8551	3
3.	Organizational Theory and Design	5095	3
4.	Human Resource Change Management	8542	3
5.	Strategic Brand Management	8548	3
6.	Strategic Marketing	5093	3
7.	Financial Markets & Institutions	5086	3
8.	International Marketing	8527	3
9.	Marketing Services	8528	3
10.	E-Marketing	8529	3
11.	Distribution Channels	8530	3
12.	Strategic Human Resource Development	8539	3
13.	International Human Resource Management	8541	3
14.	Human Resource Change Management	8542	3
15.	Investment & Securities Management	5099	3
16.	Risk Management & Insurance	8546	3
17.	Retail Management	8549	3
18.	Islamic Banking	8552	3

19.	Industrial & Organizational Psychology	5596	3
20.	International Financial Management	8543	3
21.	Leadership in Organizations	5597	3

### Assignments

The students will submit two compulsory assignments for each 03 credit hours course to their resource person who returns the same after marking and providing necessary academic guidance.

### Classes

MBA is a face-to-face program. However, instead of tutorials, a workshop component (equivalent to 48 hours in each course) is adopted in this program. MBA workshops will be conducted in two phases. The first phase (for 20 days) will be conducted at the beginning of the semester and the second phase (for 20 days) well before the examination. The workshops will be arranged only at the Main Campus, AIOU, H-8, Islamabad. The participation of the students in the workshops will be compulsory. No relaxation on any ground will be provided to the students in this regard. However, depending on the situation, the Department of Business Administration reserves the right to offer these workshops online. The workshops (classes) will be organized to provide the students with proper guidance in course contents through intensive lectures, group discussions, etc. The Program of the workshops will be chalked out by the Department and intimated to students well in time, the workshop is a mandatory component of the scheme of studies and only one chance is available to pass the workshop.

### **8. Evaluation Scheme**

<b>Component Assessment</b>	<b>Marks</b>	<b>Weightage in the Aggregate Result</b>
Assignment No. 1	100	10%
Assignment No. 2	100	10%
Mid Term	100	30%
Final Examination	100	50%

For successful completion of each course the student will be required to qualify for each component.

To take the final examination, the student has to pass assignments and should have 75% attendance in the workshops.

The conditions to qualify each component are given below:

*A minimum of 50% marks in assignments (aggregate).*

*A minimum of 50% marks in final written examination.*

*A minimum marks 50% in the mid-term Examination*

*75% attendance in workshops.*

### **Fee Structure for MBA Programs**

<b>Item</b>	<b>Fee</b>
Registration Fee: (At the time of first admission)	Rs.1100/-
Admission Fee: (At the time of first admission)	Rs.1650/-
Course Fee :( per course)	Rs.8250/-
Project Fee: (6 credit hours)	Rs.16, 500/-
Project Evaluation Fee: (Once at the time of submission of Project)	Rs.16, 500/-
Technology Fee (per semester)	Rs.550/-

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# DEPARTMENT OF English Language & Applied Linguistics



***Dr. Malik Ajmal Gulzar***  
**Chairman**



The Department of English at Allama Iqbal Open University being one of the oldest in the country was established in 1974 within the Faculty of Social Sciences and Humanities. The Department currently offers four programs approved from the statutory bodies of the universities and may decide to offer them each semester subject to the requirements and approval of the university. These approved programs include one-year Post Graduate Diploma (PGD) in Teaching of English as a Foreign Language (TEFL), four-year BS degree program in English, MPhil in English (with specialization in English Literature & Linguistics) and Ph.D. English (Linguistics) programs.

The first program initiated by the department was Diploma in Teaching of English as a Foreign Language (TEFL). It was introduced in 1985 and is still the flagship program of the department. Masters in teaching of English as a Foreign

Language (TEFL) introduced in 1988 remained enormously successful with hundreds of graduates placed in prominent positions in different educational institutions across Pakistan. It is a unique pride of the Department that it was pioneer in offering specific courses for the training of English language teachers in the country.

Keeping in view the local and global demands of English, the department started offering BS English program in 2019. This recently launched program has been received with great aplomb by the young students as it equips them with mandatory research skills, develops their understanding of English literature in general, and with special reference to the Pakistani Literature in English, familiarizes them with mechanics of linguistics and, also, trains them in internationally emerging ELT methods and practices. Later in 2020, the Department offered MPhil in English (with specialization in English Literature & in Linguistics) and Ph.D. English (Linguistics) programs, the most prestigious programs of English studies. The department of English has been working earnestly since long to offer these prestigious programs which may not only cater to the needs of professionals but also offers a platform for future planners in the field of linguistics, literature, and related interdisciplinary areas.

Further, the department has been offering an extensive range of compulsory English courses at Matric, Intermediate and Bachelor levels for other departments of the university as well.

In the semester Autumn 2023, the Department of English

plans to offer admissions in MPhil in English (with specialization in linguistics) program. The details of the program are given as under.

### **MPhil in English** (with specialization in linguistics)

The main objectives to launch MPhil in English (linguistics) program are to contribute to the capacity building of English language experts in the field of linguistics and to produce high-quality research focused on the current and future linguistic needs of the country. There is a high demand for English professionals across Pakistan to serve in various fields (inter alia, federal, and provincial management through CSS/PMS, at tertiary and higher educational institutions and in the armed forces). Professionals in the field of linguistics across the country have been demanding the launch of this program from the AIOU platform. In this regard, it is worth mentioning that there is a high number of professionals working in the far-flung areas of the country who intend to enhance their professional qualifications, but they find hard to get enrolled due to very high fee structure for the program offered by public or private universities. Some salient objectives of the program are to:

- Equip the students with the latest knowledge and skills required in the field of linguistics;
- Enable the students to solve real-life problems related to language(s) in a professional way;

- Assist the students to reflect on the structure of language and theories of language acquisition and to make original contributions to them;
- Enhance the quality in the field of linguistics in the country by promoting the research culture;
- Address local issues related to Linguistics and provide viable solutions through critical approach and research;
- Coordinate evidence-based linguistic practices by using the relevant local and foreign research studies;
- Endeavor to create new knowledge related to our regional languages and promote them nationally as well as internationally; and
- Instill the soft skills, critical, and analytical thinking in MPhil research students.

### **Eligibility for Admission**

The minimum entry requirement for admission to MPhil in English (linguistics) program shall be Master degree (MA) in English/Linguistics/Applied linguistics/TEFL/TESOL/ELT with second division from any recognized University.

### **Scheme of Studies of MPhil in English (linguistics)**

The scheme of studies of MPhil in English (linguistics) program comprises twenty-four (24) credit hours of the course work and twelve (12) credit hours of thesis. The semester-wise course offering details are given below:

#### **1<sup>st</sup> Semester**

<b>S #</b>	<b>Course Title</b>	<b>Course Code</b>	<b>Credit Hours</b>
1.	Critical Theories & Research	2801	3
2.	Discourse Analysis	2802	3
3.	Stylistics	2803	3
4.	Current issues in pragmatics	2804	3

#### **2<sup>nd</sup> Semester**

1.	Research Methods	2805	3
2.	Applied Linguistics	2810	3
3.	Second Language Acquisition	2811	3
4.	Contemporary Trends in Linguistics	2812	3

#### **Research Work**

<b>3<sup>rd</sup> Semester</b>	Thesis – 1	8041	6
<b>4<sup>th</sup> Semester</b>	Thesis – 2	8042	6

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# DEPARTMENT OF PAKISTAN STUDIES



*Prof. Dr. Abdul Aziz Sahir*  
**Dean/Chairman**



- Pakistan Resolution [1940]
- Cripps Mission [1942]
- Gandhi-Jinnah Talks [1944]
- Simla Conference [1945]



The Department of Pakistan Studies was established in 1987 in the Faculty of Social Sciences and Humanities of AIU. The MSc Pakistan Studies program was first offered in 1985 from the platform of the Department of Social Sciences and Humanities. Since then, it has produced many graduates who are presently serving in the public sector and

bringing pride to AIOU. The MPhil Pakistan Studies program was first offered in 2016, its first batch of scholars graduated in the Autumn of 2019. BS Pakistan Studies program was launched in the Autumn of 2019 with updated scheme of studies approved by the Higher Education Commission (HEC). The program would provide the students an opportunity to supplement their scholarship regarding their knowledge and expertise on the history, politics, and society of Pakistan. The latest scheme of Studies of the BS, Associate Degree Pakistan Studies, and Bridging Semester Pakistan Studies has also been approved.

## **MPhil Pakistan Studies Program**

### **1. Introduction**

The Department of Pakistan Studies was separated from its parent department, the Department of Social Sciences and Humanities, and was established as an independent Department in the Faculty of Social Sciences and Humanities. Since its inception, the Department has developed and offered several courses of Pakistan Studies ranging from Matriculation (Secondary School Certificate) to MPhil level. The MSc Pakistan Studies program was first offered in 1985. Since then, it has produced a large number of graduates who are serving the nation in various capacities and bringing pride to the Department of Pakistan Studies. It has been a long-standing demand of our students holding MSc degree to launch MPhil Pakistan Studies program. Now the Department has started MPhil Pakistan Studies with a view to cater the demand for the students particularly and the relevant people generally. The courses of the program are based on the latest revised scheme of studies of the Higher Education Commission (HEC). Instead, an effort has been made to improve upon the scheme of HEC.

### **2. Objectives**

The main objective of the MPhil Pakistan Studies program is to produce social scientists who can embark on the task of carrying out scientific research in the fields of Pakistan's history, politics, economics, society, and culture. We hope this approach will be helpful to understand the complexities and problems associated with the socio-political and economic development of the country.

### **3. Eligibility**

The candidates having a master's degree (at least in 2<sup>nd</sup> division) in Pakistan Studies will be eligible to apply for admission to MPhil Pakistan Studies. The applicant requires to qualify entry test arranged by the Department of Pakistan Studies.

### **4. Semester-wise break-up of the courses:**

#### **1st Semester**

<b>Sr. #</b>	<b>Course Title</b>	<b>Course Code</b>	<b>Credit Hours</b>
1.	Research Methods in Social Sciences	7601	3
2.	Civil-Military Relations in Pakistan	7602	3
3.	Federalism, Identity and State-building in Pakistan	7603	3
4.	Historiography in Pakistan	7604	3

#### **2<sup>nd</sup> Semester**

1.	Social Transformation in Pakistan	7605	3
2.	Political Economy of Pakistan	7606	3

3.	Electoral Politics, Governance and Sustainable Development in Pakistan	7607	3
4.	Seminar on Literature and Politics	7608	3
3 <sup>rd</sup> Semester	Thesis-1	8109	6
4 <sup>th</sup> Semester	Thesis-2	8110	6

### **FACULTY MEMBERS**

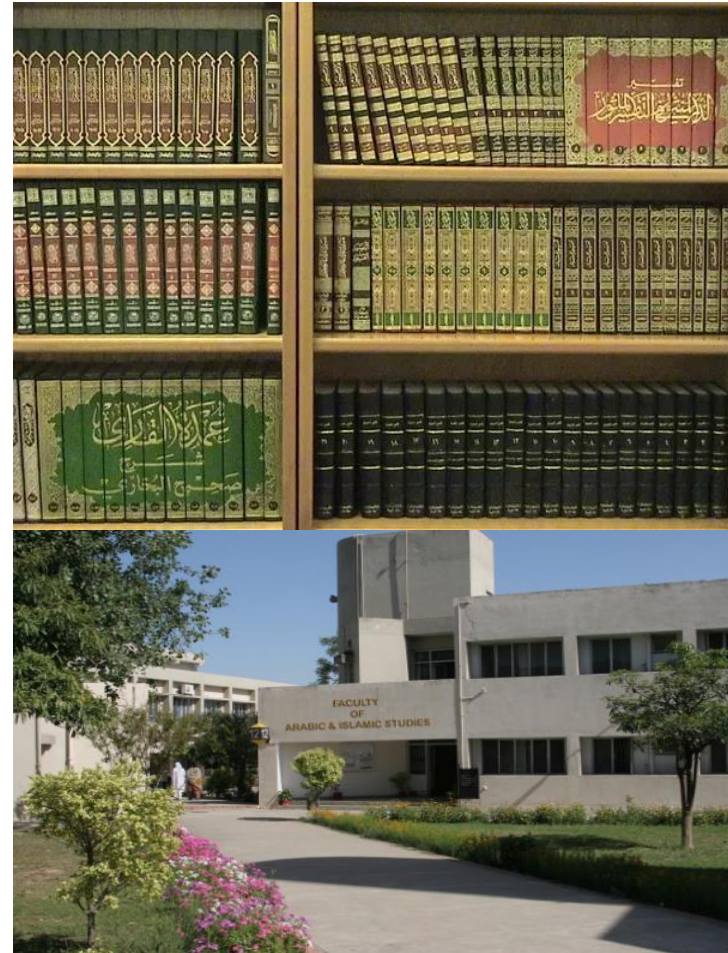
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# FACULTY OF ARABIC & ISLAMIC STUDIES



*Prof. Dr. Shah Mohyuddin Hashmi*  
Dean



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

1. To teach Islamic Studies from Matric to Ph.D. levels as per contemporary requirements.
2. To teach Arabic language and literature from Matric to Ph.D. 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 a leading role in the interpretation of Islamic Teachings, according to the needs of contemporary Pakistani society.
6. To reconstruct Islamic Thought and defend Islam and the Islamic identity of Pakistan at national and international forums.
7. To prepare Scholars of Islamic Studies who have grasp of the different issues of 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 opportunities for professional growth and development to the scholars of Islamic studies in general and in service personnel.
10. To develop a linkage between different highly reputed institutions of Islamic learning in general and institutions of the Muslim World in particular.
11. To create interfaith harmony and an environment of dialogue between Islamic and other civilizations.

### **Prospects of the Faculty**

1. Faculty is providing education in Arabic, Shari'ah & Islamic Studies to a large number of students.
2. The faculty has prepared several quality books on the different fields of Islamic Studies.
3. The faculty can produce high-quality research work at MPhil and Ph.D. levels with different specializations.
4. The faculty is regularly publishing its refereed quality research journal Muarf-e-Islami.
5. Some of the programs of the faculty are unique and not offered in any other Institutions of Pakistan except AIOU such as ATTC, B. Ed Arabic, MA & MPhil Islamic Studies with different specializations.
6. MPhil Islamic Studies is a leading program of the faculty, and it has gained a good repute in scholarly circles of Pakistan.

### **MPhil Programs Offered in Autumn-2023**

- i) MPhil Islamic Studies (General)
- ii) MPhil Islamic Studies (Specialization in Seerat Studies)
- iii) MPhil Islamic Studies (Specialization in Interfaith Studies)
- iv) MPhil Islamic Studies (Specialization in Hadith and Hadith Sciences)

### Eligibility for MPhil Islamic Studies (All Specializations) Programs

A candidate with having MA in Islamic Studies or an equivalent degree with minimum second division (in both MA Islamic Studies & BA) can apply for admission in MPhil. However, in case of a large number of applications, an initial short listing of candidates will be made, and **preference will be given to those candidates who have passed all degrees with first division or at least first division in MA Islamic Studies or equivalent.**

- A significant weightage is given to the research thesis written for MA Islamic Studies.
- Expertise in Arabic language and Hifz-e-Quran is also considered as an additional qualification during the interview.
- Intermediate and above teaching experience in any recognized college/institution is also given due weightage in admission criteria.
- Published research papers in approved research journals by HEC are also considered in admission criteria.
- The graduates having HEC's approved degree of Al Shahdat Al-Alamia can also apply for admission, but they must have attached an equivalent certificate (by Name) from HEC.

#### Scheme of Studies for All MPhil of Islamic Studies Programs:

S. No.	Name of Program	MPhil in Islamic Studies
1.	Duration	Course work: Two Semesters Research work/Thesis: Two Semesters
2.	Credit	As per AIOU/HEC rules & Regulations

3.	Medium of Instruction	(i)Urdu (ii) English (iii)Arabic
4.	Research Work	i) The research work must be a 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. ii) The student will be required to observe the guidelines regarding format, writing, referencing, paper, and other related matters as approved in AIOU rules & regulations.
5.	Face-to-Face Classes	teaching hours (Face to Face) classes for each 3-credit course (these classes are being held in Islamabad.
6.	Workshop	o-week synopsis orientation workshop at the start of research work after the completion of course work.
7.	Component s of Course Work	<b>Sr#</b>
		<b>Component</b>
		1.
		2.
3.	Continues Assessment	
4.	Face to Face teaching (48 hrs. per 03 credit hours in each semester)	
		Mid-Term Examination
		Final Examination

**Fee Structure for MPhil Programs**  
**Faculty of Arabic and Islamic Studies:**

Sr. #	Nature of Fee	Amount	Description
1	Admission fee	Rs.1650/-	This fee will be paid with the fee for first semester
2	Registration fee	Rs.1100/-	Once at the time of Admission
3	Tuition fee for 12 credit hours course.	Rs.18480/-	(Rs.4620/- per 3 credit hours) A Student can take 12 credit hrs in one semester
4	Technology Fee	Rs.550/-	Each semester
5	Total Fee for First Semester	<b>Rs.21780/-</b>	
6	Thesis Fee 12 Credits hours	<b>Rs.9240/-</b>	3 <sup>rd</sup> & 4 <sup>th</sup> Semester each
7	Thesis Evaluation Fee	Rs.18480/-	This fee will be paid at the time of submission of the thesis

**Fee Structure for Ph.D. Programs**  
**Faculty of Arabic and Islamic Studies:**

<b>Admission fee</b> (At the time of first admission)	Rs.2750/-
<b>Registration fee</b> (At the time of 1st admission only)	Rs.2750/-
<b>Technology fee</b> (per student per semester)	Rs.550/-
<b>Course Fee</b> (Per 3 credit hours) Rs.8250 x 3 = Rs.24,750/-	Rs. 24,750/-
<b>Thesis Fee:</b> (in four installments) Rs.24750/- in Each Semester	Rs.99,000/-
<b>Thesis Evaluation Fee</b> (at the time of submission of thesis)	Rs.99,000/-
<b>Total Fee for First Semester</b>	<b>Rs.30,800/-</b>
<b>Total Fee for First Semester (Specialization in Seerat Studies)</b>	<b>Rs.39,050/-</b>

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 program.

## DEPARTMENT OF ISLAMIC THOUGHT, HISTORY AND CULTURE



*Prof. Dr. Shah Mohyuddin Hashmi*  
**Dean/Chairman**



The Department of Islamic Thought History and Culture was established to provide advances studies and research in the field of Islamic Thought, History and Culture. To achieve this goal, the department is offering graduate and postgraduate-level programs. This department coordinate Ph. D Islamic Studies (General), M. Phil Islamic Studies (General), MA Islamic Studies (General) and B.S Islamic Studies (General) Programs as well as going to offer New Academic Program of B.S Islamic Studies (in English medium for international students), B.S Islamic Finance, Certificate course of "Imam and Khateeb".

Besides this, the department will offer the following programs from next year i.e., 2024.

1. PGD "IFTAA"
2. Certificate Course "IFTAA"
3. Diploma "Islamic Finance"

## **A. MPhil Islamic Studies (General)**

### **1. Introduction**

The Department of Islamic Thought, History and Culture is offering MPhil Islamic studies. This Program started in 1987. This is the most important & significant Program offered by the Department of Islamic Thought, History and Culture, AIOU. This Program is reputed as one of the best programs in public sector universities of Pakistan. The graduates with MPhil Islamic Studies degree from AIOU are serving on important academic & administrative post in the colleges & Universities of Pakistan as well in foreign countries. Each year hundreds of candidates apply for admission and only a few candidates can get admission who fulfill the requirements of the admission criteria. The MPhil students are required to complete specific coursework & research work under the supervision of highly qualified supervisors. This Program requires 2 to 4 years' time for completion. The student's complete coursework under the guidance of qualified Faculty members. This Program designed to carry out research in different fields of Islamic Studies so that new dimensions of understanding Islam can be explored. This Program provides scholars an opportunity of exercising independent critical judgment through research skills for the service of Islamic & Muslim communities.

### **2. Aims & Objectives**

The MPhil Islamic Studies is aimed to:

- Prepare scholars of research aptitude who can analyze facts in the light of Islamic research principles.
- Enhance the skills of research and create a better understanding of Islam and contemporary challenges faced by the Muslim Ummah.

- Provide an opportunity of learning the methods of use of basic Islamic sources for Islamization of contemporary knowledge and laws.
- Prepare scholars who have a grasp of Islamic Studies in general and command over the area of specialization.
- Establish a cadre of specialists and professionals in different fields of Islamic Studies, who can conduct quality research in various disciplines of Islam. Provide opportunities for professional growth and development to scholars in general and in-service personnel.

### **3. Detail of Courses for MPhil Islamic Studies (General)**

#### **1<sup>st</sup> Semester**

<b>Sr. #</b>	<b>Course Title</b>	<b>Course Code</b>	<b>Credit Hours</b>
1.	Basic Sources of Islamic Sciences & Thought	6809	3
2.	Principles & Methods of Research	6806	3
3.	Ijtihad History, Principles & Methods	6807	3
4.	Orientalism Critical Study	6808	3

#### **2<sup>nd</sup> Semester**

1.	Islamic Thought, History & Culture: Principles & Methodology	6801	3
2.	Islam and Modern Economic and Social Issues	6810	3
3.	New Dimensions of Research in Islamic Sciences	6811	3
4.	Principles, Methods of Islamic Fiqh & Objectives of Shari'ah	6812	3

<b>3<sup>rd</sup> Semester</b>	Thesis-1	8047	6
<b>4<sup>th</sup> Semester</b>	Thesis-2	8048	6

## **B. Ph.D. Islamic Studies Program**

### **1. Introduction**

The Department of Islamic Thought, History and Culture have been offering PhD Islamic Studies. At present the Department is offering an MPhil based PhD program. PhD students are required to complete specific course work & research work under the supervision of a qualified supervisor. This Program requires 3 to 5 years for completion. The students complete research work under qualified supervisors, however, the degree is awarded after the evaluation of the thesis by three foreign experts from technologically advanced countries as per the required Criteria of HEC. This program is designed to carry out research in different fields of Islamic Studies so that new aspects can be discovered & students can exercise independent critical judgment through the research skills for the service of Islamic & Muslim communities.

### **2. Aims & Objectives of Ph.D. Islamic Studies**

The Ph.D. Islamic Studies Program aims to:

- Prepare scholars who have a grasp of Islamic Studies in general and command over the areas of specialization.
- Establish a cadre of specialists and professionals in different fields of Islamic Studies who can provide effective leadership in guiding and conducting quality research in various disciplines of Islamic Studies.
- Provide opportunities for professional growth and development to scholars in general and in-service personnel.

### **3. Eligibility for Admission**

- MPhil Islamic Studies or equivalent from any recognized university in the First division or CGPA 3.00.

## **4. Scheme of Studies of all Ph.D. Programs**

<b>Sr. No.</b>	<b>Name of Program</b>	<b>Ph.D. in Islamic Studies</b>	
1.	Duration	Maximum Five Years (10 Semesters)	
2.	Medium of Instruction	(i) Urdu (ii) English (iii) Arabic	
3.	Coursework	18 CH Course Work	
4.	Research work	The thesis of Ph.D. must be a 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.	
5.	Face-to-Face Classes	48 teaching hours (Face to Face) classes for each 3credit course (these classes are being held in Islamabad.	
6.	Workshop	Two-week synopsis orientation workshop at the start of research work after the completion of course work.	
7.	Evaluation	As per amendments in AIOU rules & regulations, a Ph.D. thesis is necessary to be sent for evaluation to three foreign experts from advanced countries.	
8.	Pre-Requisite of viva voce of Ph.D. Islamic Studies	Unconditional approval from at least two foreign experts. Publication of research paper in HEC-recognized research journal.	
9.	Components of Coursework	<b>Sr.#</b>	<b>Component</b>
		1.	Continues Assessment
		2.	Face to Face teaching (48 hrs per 03 credit hours in each semester)
		3.	Mid-Term Examination
		4.	Final Examination
		5.	Comprehensive Exam

## 5. Details of Courses Ph.D. Islamic Studies (General)

### 1<sup>st</sup>Semester

Sr. #	Course Title	Course Code	Credit Hours
1.	Applied Research in Islamic Studies	6858	3
2.	Principles & Methods of Interpretation	6859	3
3.	Muslim Thinkers & Critical Study of their Thought	6860	3

### 2<sup>nd</sup>Semester

4.	Islamic Epistemology & Islamization of Knowledge	6851	3
5.	Comparative Study of World Civilizations	6861	3
6.	Challenges to Contemporary Islamic Thought and Possible Solutions	6862	3

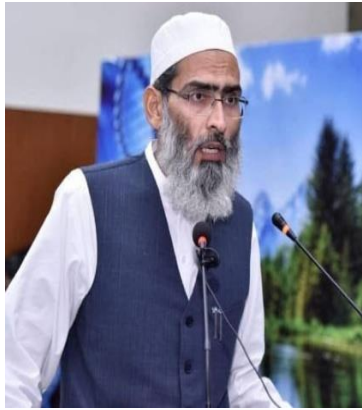
<b>3<sup>rd</sup>Semester</b>	Thesis-1	8123	9
<b>4<sup>th</sup>Semester</b>	Thesis-2	8124	9
<b>5<sup>th</sup>Semester</b>	Thesis-3	8125	9
<b>6<sup>th</sup> Semester</b>	Thesis-4	8126	9

## FACULTY MEMBERS

- 1. Prof. Dr. Mohyuddin Hashimi**  
Dean/Chairman  
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- 2. Dr. Muhammad Riaz Mahmood**  
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- 3. Dr. Ahmad Raza**  
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- 4. Dr. Hafiz Tahir Islam**  
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# DEPARTMENT OF SEERAT STUDIES



***Prof. Dr. Shah Moeen Uddin Hashmi***  
**Chairman**



The Department of Seerat Studies, a significant segment of the Faculty of Arabic & Islamic Studies was established in 2017 to familiarize the new generation in specific and the whole ummah in general, with the Seerat of the last Prophet Hazrat Muhammad (SAW) and to promote knowledge, research and teachings associated with Prophetic Seerah. So, to develop a deep and academic understanding of Seerah and research in its diverse fields the department is offering various courses at different levels.

To achieve this goal, the department is offering graduate and postgraduate-level programs. This department coordinates Ph.D. Islamic Studies (Seerat), M. Phil Islamic Studies (Seerat), B.S Islamic Studies (Seerat), B.S Islamic Studies (Dars-e-Nizami) etc.

## **A. MPhil Islamic Studies (Specialization in Seerat Studies) Program**

### **1. Introduction**

The Department of Seerat Studies is offering MPhil Islamic Studies (Specialization in Seerat Studies), a significant program of the Department. This program is reputed as one of the best programs in public sector universities of Pakistan. The MPhil students are required to complete specific coursework & research work under the supervision of highly qualified supervisors. This Program requires 2 to 4 years' for completion. Students' complete coursework under the guidance of qualified Faculty members. This Program is designed to carry out research in different fields of Islamic Studies so that new dimensions of understanding of Islam can be explored. This Program provides scholars an opportunity of exercising independent critical judgment through research skills in the light of Seerat-e-Rasool (SAW).

### **2. Aims & Objectives**

The program MPhil Islamic Studies (Specialization in Seerat Studies) is aimed to:

- Prepare scholars of research aptitude who can analyze facts in the light of Islamic research principles.
- Establish a cadre of specialists and professionals in different fields of Islamic Studies, with particular reference to Seerat Studies, who can conduct quality research in various disciplines of Seerat.
- Provide opportunities for professional growth and development to scholars in general and in-service personnel.

- To prepare such scholars, having expertise in the Seerat, who can present Seerat Tayyaba according to contemporary needs.

### **3. Detail of Courses MPhil Islamic Studies (Seerat Studies)**

#### **1<sup>st</sup> Semester**

<b>Sr. #</b>	<b>Course Title</b>	<b>Course Code</b>	<b>Credit Hours</b>	
1.	Research Methodology	SERT 7501	3	
2.	Principles and Method of Historiography	SERT 7502	3	
3.	Basic Sources of Islamic Sciences (Methodological Study)	SERT 7503	3	
4.	Selected Textual Study of Seerah (Methodological Study)	SERT 7504	3	
<b>2<sup>nd</sup> Semester</b>				
1.	Principles and Method of Takhreej (Sources of Hadith and Seerah)	SERT 7505	3	
2.	Study of Seerah and Orientalism	SERT 7506	3	
3.	Subjective Study of New Aspects of Seerah	SERT 7507	3	
4.	Study of Modern Seerah Literature	SERT 7508	3	
<b>3<sup>rd</sup> Semester</b>		Thesis-1	SERT 8501	6
<b>4<sup>th</sup> Semester</b>		Thesis-2	SERT 8502	6

## **B. Ph.D. Islamic Studies (Specialization in Seerat Studies) Program**

### **1. Introduction**

The Department of Seerat Studies has been offering Ph.D. Islamic Studies (Specialization in Seerat Studies). Ph.D. students are required to complete specific course work & research work under the supervision of qualified supervisors. This Program requires 3 to 5 years' for completion. The students complete research work under qualified supervisors, however the degree is awarded after the evaluation of the thesis by three foreign experts from technologically advanced countries as per the required criteria of HEC. This program is designed to carry out research in different fields of Islamic Studies so that new aspects can be discovered & students can exercise independent critical judgment through the research skills for the service of Islamic & Muslim communities.

### **2. Aims & Objectives**

The Ph.D. Islamic Studies (Specialization in Seerat Studies) Program aims to:

- Prepare scholars who have a grasp of Islamic Studies in general and command over the areas of specialization.
- Establish a cadre of specialists and professionals in different fields of Islamic Studies who can provide effective leadership in guiding and conducting quality research in various disciplines of Islamic Studies.
- Provide opportunities for professional growth and development to scholars in general and in-service personnel.

### **3. Eligibility for Admission**

- MPhil Islamic Studies or equivalent from any recognized university in the First division or CGPA 3.00.

### **4. Details of Course Work (Specialization in Seerat Studies)**

#### **1<sup>st</sup>Semester**

<b>Sr. #</b>	<b>Course Title</b>	<b>Course Code</b>	<b>Credit Hours</b>
1.	Applied Research in Islamic Studies	SERT 9501	3
2.	Pre-Islam History and Civilization of Arab	SERT 9502	3
3.	Geography of Seerah	SERT 9503	3
4.	Seerah Sciences	SERT 9504	3

#### **2<sup>nd</sup>Semester**

5.	Classical Trends of Seerah Writing	SERT 9505	3
6.	Modern Trends of Seerah Writing	SERT 9506	3
7.	Fiqh al Seerah	SERT 9507	3
8.	Comparative Trends in Seerah Writing	SERT 9508	3

<b>3<sup>rd</sup>Semester</b>	Thesis-1	SERT 9509	9
<b>4<sup>th</sup>Semester</b>	Thesis-2	SERT 9510	9
<b>5<sup>th</sup>Semester</b>	Thesis-3	SERT 9511	9
<b>6<sup>th</sup>Semester</b>	Thesis-4	SERT 9512	9

## **FACULTY MEMBERS**

**1. Prof. Dr. Shah Moeen Uddin Hashmi**

Chairman

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**2. Dr. Muhammad Rafiq Sadiq**

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**3. Dr. Syed Mujeeb-ur-Rehman**

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# DEPARTMENT OF INTERFAITH STUDIES



***Dr Ghulam Shams-ur-Rehman***  
**Chairman**



Department of Interfaith Studies of the Faculty of Arabic and Islamic Studies is an emerging department of Allama Iqbal Open University, Islamabad. The department aims to present the universal teachings of Islam and to prepare courses for Interfaith and intra-faith harmony. Today, more than ever before, it is extremely important to comprehend the complexity and nature of Interfaith Studies both in public and private spheres in the contemporary pluralistic global world.

The Department of Interfaith Studies was established to provide advance studies and research in the field of Interfaith. To achieve this goal, the department is offering graduate and postgraduate-level programs. This department coordinates Ph.D. Islamic Studies (Specialization in Interfaith Studies), M. Phil Islamic Studies (Specialization in Interfaith Studies), B.S Islamic Studies (Specialization in Interfaith Studies) etc.

### **A. MPhil Islamic Studies (Specialization in Interfaith Studies) Program**

#### **1. Introduction**

The Department of Interfaith Studies is offering MPhil Islamic studies (Specialization in Interfaith Studies). This is the most important & significant Program offered by the Department of Interfaith Studies, AIOU. This Program is reputed as one of the best programs in public sector universities of Pakistan. The MPhil students are required to complete specific coursework & research work under the supervision of highly qualified supervisors. This Program requires 2 to 4years for completion. The student's complete coursework under the guidance of qualified faculty members. This Program is designed to carry out research in different fields of Islamic Studies so that new dimensions of understanding Islam can be explored. This Program provides scholars an opportunity of exercising independent critical judgment through research skills in the light of Interfaith Studies.

#### **2. Aims & Objectives**

The MPhil Islamic Studies (Specialization in Interfaith Studies) is aimed to:

- Prepare scholars of research aptitude who can analyze facts in the light of Islamic research principles.
- Establish a cadre of specialists and professionals in different fields of Islamic Studies, who can conduct quality research in various disciplines of Islam. Provide opportunities for professional growth and development to scholars in general and in-service personnel.

### **3. Detail of Courses**

#### **1<sup>st</sup> Semester**

<b>Sr. #</b>	<b>Course Title</b>	<b>Course Code</b>	<b>Credit Hours</b>
1.	Principles of Research and Editing	FATH 7501	3
2.	The Quran and Interfaith Studies	FATH 7502	3
3.	Religion and Orientalism	FATH 7503	3
4.	Sources of Islamic Studies (Interfaith Studies)	FATH 7504	3

#### **2<sup>nd</sup> Semester**

1.	Methods and Approaches to Interfaith Studies	FATH 7505	3
2.	Philosophy of Religion	FATH 7506	3
3.	Interfaith Relations between the World Religions	FATH 7507	3
4.	Interfaith Studies and Pluralism in Pakistan: Theory and Practice.	FATH 7508	3

#### **3<sup>rd</sup> Semester**

	Thesis-1	FATH 8501	6
<b>4<sup>th</sup> Semester</b>	Thesis-2	FATH 8502	6

#### **4. Ph.D. Islamic Studies (Specialization in Interfaith Studies) Program**

##### **1. Introduction**

The Department of Interfaith Studies has been offering Ph.D. Islamic Studies (Specialization in Interfaith Studies). Ph.D. students are required to complete specific course work & research work under the supervision of a qualified supervisor. This Program requires 3 to 5 years' for completion. The students complete research work under qualified supervisors, however the degree is awarded after the evaluation of the thesis by three foreign experts from technologically advanced countries as per the required Criteria of HEC. This Program is designed to carry out research in different fields of Islamic Studies so that new aspects can be discovered & students can exercise independent critical judgment through the research skills for the service of Islamic & Muslim communities.

##### **2. Aims & Objectives**

The Ph.D. Islamic Studies (Specialization in Interfaith Studies) Program aims to:

- Prepare scholars who have a grasp of Islamic Studies in general and command over the areas of specialization.
- Establish a cadre of specialists and professionals in different fields of Islamic Studies who can provide effective leadership in guiding and conducting quality research in various disciplines of Islamic Studies.
- Provide opportunities for professional growth and development to scholars in general and in-service personnel.

##### **3. Eligibility for Admission**

- MPhil Islamic Studies or equivalent from any recognized university in the First division or CGPA 3.00.
- Departmental Test/Interview by the Ph.D. Admission Committee

##### **4. Details of Course Work (Specialization in Seerat Studies)**

###### **1<sup>st</sup>Semester**

<b>Sr. #</b>	<b>Course Title</b>	<b>Course Code</b>	<b>Credit Hours</b>
1.	Applied Methods in the Study of Religion	FATH 9501	3
2.	Approaches to Interfaith Studies	FATH 9502	3
3.	Global Interfaith Institutions and Networks	FATH 9503	3

###### **2<sup>nd</sup>Semester**

4.	Muslim Contributions in the Study of Religion	FATH 9504	3
5.	Peace building Conflict-Resolution and Interfaith Studies	FATH 9505	3
6.	Sufi Tradition and Interfaith Harmony	FATH 9506	3

<b>3<sup>rd</sup>Semester</b>	Thesis-1	FATH 9507	9
<b>4<sup>th</sup>Semester</b>	Thesis-2	FATH 9508	9
<b>5<sup>th</sup>Semester</b>	Thesis-3	FATH 9509	9
<b>6<sup>th</sup>Semester</b>	Thesis-4	FATH 9510	9

## **FACULTY MEMBERS**

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Chairman

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**2. Dr. Hafiz Muhammad Sajjad**

Associate Professor

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**3. Dr. Hafiz Farooq Abdullah**

Assistant Professor

Phone: 051-9573423

**4. Dr. Hassan Baig**

Lecturer

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**5. Mr. Usman Ali Sheikh**

Lecturer

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***Department of Interfaith Studies***

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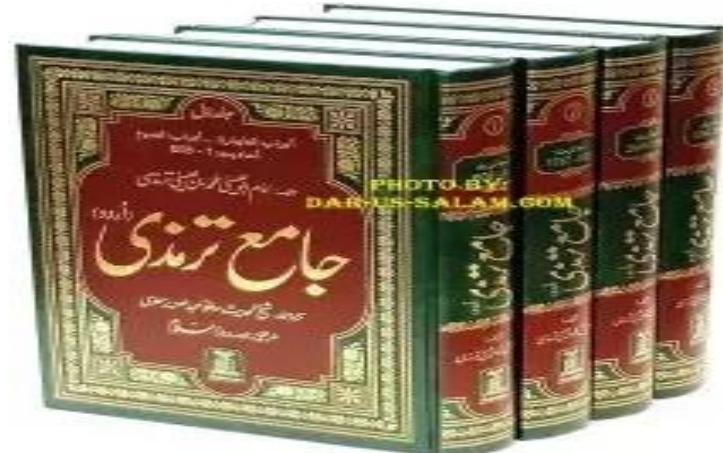
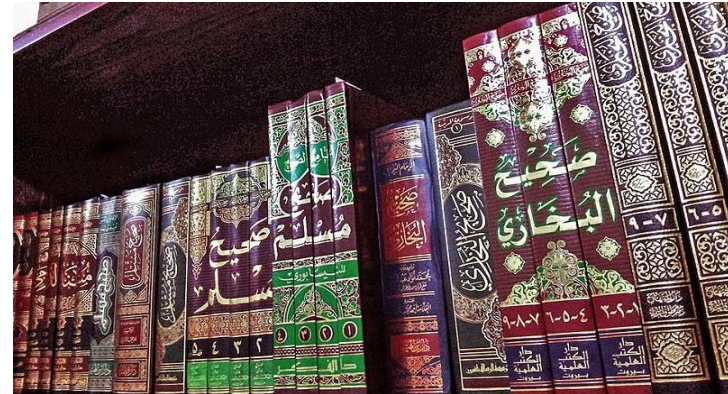
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# DEPARTMENT OF HADITH & HADITH SCIENCES



*Dr. Muhammad Shahid*  
**In charge**



The Department of Hadith & Hadith Sciences focuses on the study of Hadith and Sunnah of the Prophet (S.A.W) their collections, preservation, authentication, and their interpretation as a source of knowledge & guidance for man's spiritual & moral need as an individual in society. It intends to enable students to work diligently and function benevolently in all avenues of life. The Department of Hadith & Hadith Sciences is committed to restore the full meaning of education by offering an opportunity to study

comprehensively and critically and to train students to develop a strong nation with Islamic values and ethics. The department is preparing and offering different programs for specialization in Hadith & Hadith Sciences to its students.

The department was established to provide advanced studies and research in the field of Hadith. To achieve this goal, the department is offering graduate and postgraduate-level programs. This department coordinate M. Phil Islamic Studies (Hadith and Hadith Sciences), B.S Islamic Studies (Hadith and Hadith Sciences) etc.

### **MPhil Islamic Studies (Hadith and Hadith Sciences) Program**

#### **1. Introduction**

The Department of Hadith and Hadith Sciences is offering MPhil Islamic studies (Hadith and Hadith Sciences). This is the most important & significant Program offered by the Department of Hadith and Hadith Sciences, AIOU. This Program is reputed as one of the best programs in public sector universities of Pakistan. The MPhil students are required to complete specific coursework & research work under the supervision of highly qualified supervisors. This Program requires 2 to 4 years for completion. The student's complete coursework under the guidance of qualified faculty members. This Program is designed to carry out research in different fields of Islamic Studies so that new dimensions of understanding of Islam can be explored. This Program provides scholars an opportunity of exercising independent critical judgment through research skills in the light of Seerat-e-Rasool (SAW).

#### **2. Aims & Objectives**

The MPhil Islamic Studies (Hadith and Hadith Sciences) is aimed to:

- Prepare scholars of research aptitude who can analyze facts in the light of Islamic research principles.
- Establish a cadre of specialists and professionals in different fields of Islamic Studies, who can conduct quality research in various disciplines of Islam. Provide opportunities for professional growth and development to scholars in general and in-service personnel.

### **3. Detail of Courses**

#### **1<sup>st</sup> Semester**

<b>Sr. #</b>	<b>Course Title</b>	<b>Course Code</b>	<b>Credit Hours</b>	
1.	Research Methodology	HADH 7501	3	
2.	Takhrej-e-Hadith and Darasat Al-Asanid	HADH 7502	3	
3.	Principles of Narration and Comprehension of Hadith	HADH 7504	3	
4.	Hadith and Orientalism	HADH 7504	3	
<b>2<sup>nd</sup> Semester</b>				
1.	Ilm-al-Rijal & Rules of JarhhwaTadil	HADH 7505	3	
2.	Fiqh Al-Hadith	HADH 7506	3	
3.	Study of Hadith Sources and Hadith Sciences	HADH 7507	3	
4.	Methodologies of Muhaddithin	HADH 7508	3	
<b>3<sup>rd</sup> Semester</b>		Thesis-1	HADH 8501	6
<b>4<sup>th</sup> Semester</b>		Thesis-2	HADH 8502	6

## **FACULTY MEMBERS**

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2. **Dr. Naveed Iqbal**  
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# DEPARTMENT OF ARABIC



*Dr. Abdul Majeed Baghdadadi*  
**Chairman**



The Department of Arabic Language & Literature is one of the pioneer Departments of the Allama Iqbal Open University, Islamabad (AIU). This came into being when AIU was established in 1974. The Department of Arabic Language & Literature is the pioneer Department that was teaching Radio & Television programs since 1975. Arabic Department & AIU was introduced by Pakistani Masses by its very first effort & most popular Program

named: العربي سهل. It was making its broadcasting & non-broadcasting programs from 1975 to the year 2000. Decades passed & presently it is running several programs i.e., MPhil in Arabic language and Literature, Masters in Arabic Language and Literature, Lughat-ul-Quraan, ATTC, as well as Matric, Intermediate, and bachelor's level Arabic Courses, are introduced by the Department since 1974 While AIOU has the credit of launching Arabic Teachers Training Program (ATTC) in 1984, which is the pioneer Program of Pakistan in Teaching Arabic Language. However, BS 4 years and other Arabic learning programs have also launched from the last academic session. The courses of M.A. Arabic were also designed before with an emphasis on Arabic language & literature, social and economic thoughts along with religious education. Research in Arabic language and Literature has been a regular feature of the Department since 2012, MPhil program in Arabic language and Literature has also been started since 2012 to produce scholars and researchers in Arabic literature.

The department is offering a wide range of courses in the Arabic language from Matric to M.A., ATTC, SHORT ARABIC Courses and MPhil Level.

### **Objectives**

1. Promotion and Advanced Studies in Arabic Language & Literature
2. To be aware of the language and style of the Holy Quran.
3. Get acquainted with old Arabic poetry literature and modern poetry literature and its attributes.
4. To understand the Arabic alphabet & sound, to distinguish and pronounce all Arabic sounds and write it accurately.

5. Be familiar with some of the differences between formal and spoken Arabic.

### **List of the Programs**

1. Ph.D. Arabic
2. MPhil Arabic
3. BS Arabic
4. BS Arabic International
5. Arabic (BA)
6. Arabic (Inter-FA)
7. Arabic (Matric)

The department is offering short courses & detail of short courses is as under:

- Al Lisan Ur Arabi
- ArbiBolChal
- Lughatul Quran

### **Professional Courses**

Arabic Teachers Training Course (ATTC)

## **Ph.D. Arabic (MPhil/MS Based) Program**

### **1. Introduction**

The Department of Arabic is offering Ph.D. Arabic. Ph.D. students are required to complete course work & research work under the supervision of a qualified supervisor. This program requires 3 to 5 years' for completion. The students are completing research work under domestic supervisors however the degree is awarded after the evaluation of the thesis by three foreign experts from technologically advanced countries as required by HEC. This program has been designed to carry out research in different fields of Arabic to discover new aspects in the field & students can exercise independent critical judgment through the research skills.

## 2. Aims & Objectives

The Ph.D. Arabic is aimed:

- i) To address local issues related to linguistics and provide viable solutions through research.
- ii) To promote research culture (in general) in Arabic and in regional languages (in particular) in the country.
- iii) To explore new knowledge related to linguistics and promote it nationally as well as internationally.
- iv) To develop students' insight into the current and emerging trends in Arabic and to enable them to make an original contribution to research in the field of Arabic.
- v) To expand students' insight into different linguistic theories and to enhance their critical and analytical skills to identify different linguistic issues at global and regional level.
- vi) To develop students' understanding regarding research methodologies to explore the crucial issues in different branches of Arabic.
- vii) To develop student understanding of multiple perspectives of the interface of language, media, and discourse practices in society and to enable learners to incorporate technological features to facilitate research in Arabic.

## 3. Eligibility for Admission

- i) M. Phil Arabic/ MS Arabic or equivalent degree with at least 60% marks or equivalent CGPA equivalent as per AIOU policy.
- ii) Passing the Written Test and interview conducted by the Department Concerned based on 70% passing marks.

## 4. Scheme of Studies

Sr. #	Name of Activity	Ph.D. in Arabic
1.	Duration	Maximum five years (10 semesters)
2.	Medium of Instruction	Arabic
3.	Course Work	18 credit hours course work
4.	Research work	The thesis of a Ph.D. must be a 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.
5.	Face to Face	48 hrs Face to Face class for each 3-credit hrs course in each semester. Classes will be held in Islamabad main campus (Face to Face teaching mode)
6.	Workshop	Two-week synopsis workshop after completion of coursework & passing comprehensive exam.
7.	Evaluation	As per amendments in AIOU rules & regulations, a Ph.D. thesis is necessary to send for evaluation to three foreign experts from technological advanced countries.
8.	Pre-Requisite of viva voce of Ph.D. Arabic	Unconditional approval from at least two foreign experts. Publication of research paper in HEC-recognized research journal.
9.	Components of Course work	1. Continuous Assessment 2. Face to Face classes 3. Mid-Term exam 4. Final Exam 5. Comprehensive Exam

### Detail of Courses for Ph.D. Arabic

Semester	Sr. #	Course Title	Course Code	Cr. Hrs
1 <sup>st</sup> Semester	1.	الدراسات البلاغية والأسلوبية	ARAB 9501	3
	2.	اللسانيات	ARAB 9502	3
	3.	قاعة البحث	ARAB 9503	3
2 <sup>nd</sup> Semester	1.	اتجاهات النقد الأدبي ومناهجه	ARAB 9504	3
	2.	فنون الأدب	ARAB 9505	3
	3.	الأدب المقارن	ARAB 9506	3
3 <sup>rd</sup> Semester		Thesis-1	ARAB 9507	9
4 <sup>th</sup> Semester		Thesis-2	ARAB 9508	9
5 <sup>th</sup> Semester		Thesis-3	ARAB 9509	9
6 <sup>th</sup> Semester		Thesis-4	ARAB 9510	9
<b>TOTAL</b>				<b>54</b>

### FACULTY MEMBERS

- Dr. Abdul Majeed Baghdadi**  
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Lecturer/BS Program Coordinator  
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- Dr. Hafiz Haris Saleem**  
Lecturer / MPhil Program Coordinator  
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- Dr. Muhammad Khurram Shahzad**  
Lecturer/ATTC Program Coordinator  
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*Chairman, Department Arabic*  
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# FACULTY OF EDUCATION



*Prof. Dr. Tanzila Nabeel*  
**Dean**



The origin of the Faculty of Education pre-dates the university itself. The National Institute of Education was established in 1973 under the Federal Ministry of Education. It became part of the university in June 1975 as the Institute of Education in the Faculty of Social Sciences. The progressively extending functions of the institute brought the needs for structural change and in 1984 it got the status of Faculty of Education.

## **DEPARTMENTS OF THE FACULTY**

### **Faculty of Education Comprises of the following Six Departments:**

1. Distance, Non-Formal and Continuing Education
2. Educational Planning, Policy Studies, and Leadership
3. Early Childhood Education and Elementary Teacher Education
4. Secondary Teacher Education
5. Science Education
6. Special Education

### **Distance, Non-Formal Education and Continuing Education**

The department was established in 1984 and was later renamed Distance, Non-Formal and Continuing Education. This department offers Ph.D., MPhil, master's, and specialized courses in the B.Ed. 1.5 program. The department also offers certificate courses in literacy and non-formal education.

### **Educational Planning, Policy Studies, and Leadership (EPPSL)**

The department was established in 1976 and was renamed as EPPSL in 2008. It offers programs in educational planning, management, and leadership. These programs are aimed at producing a managerial cadre of professionals for the educational institutions and organizations in the country. Programs of EPPSL include B.Ed., Postgraduate Diploma, MA (EPM), MPhil and Ph.D. in Educational Planning and Management as well as online courses. The courses of these programs are following the field requirements of target personnel in the areas of educational planning, management, and leadership.

### **Secondary Teacher Education**

The Department of Teacher Education was established in 1985 and was bifurcated into Secondary and Elementary Teacher Education Departments in July 2003. Its programs aim at imparting academic and professional knowledge and training to in-services and preservice teachers and scholars.

The programs/courses of this department comprise MA, MEd B.Ed. (4 years) and BS Instructional Design and Technology as professional degree programs. The department also offers MPhil and Ph.D. in Education, which are aimed to prepare highly skilled professionals and leaderships in the field of teacher education.

### **Early Childhood Education and Elementary Teacher Education**

The Department of Elementary Teacher Education was established in 2003. In April 2008, the name of the Elementary Teacher Education Department was changed to Early Childhood Education and Elementary Teacher Education Department. The Department offers an associate degree in education, Post Graduate Diploma in ECE and B.Ed. (1.5 year), B.Ed. (2.5), B.Ed. (4 years), MPhil and Ph.D. program, it also offers "Education" as a subject at Matric, Intermediate and Graduate levels. The department is planning to launch, BS (ECCE) and Certificate of Entrepreneurship in ECCE. The department also plans to offer non-credit research courses and postgraduate diplomas for teaching in higher education.

### **Science Education**

The Department of Science Education was established in 1988. The programs and courses of the department are mainly focused on the education and training of mathematics and science teachers. Presently the department offers specialized

courses in science education at undergraduate and postgraduate level. Specialized courses provide a conceptual framework and insight into the teaching of science. The department offers B.Ed. (4 year) B.Ed. (2.5 year) and specialization in Science Education in B.Ed. (1.5 year) and M.Ed. MPhil and Ph.D. programs; in science education are also offered at the department.

### **Special Education**

The Department was established in 1985. The department imparts education and training to teachers for special children in four specializations namely visual impairment, hearing impairment, intellectual disabilities, physical disabilities, and mental retardation with particular emphasis to facilitate inclusive education. Parents of special children are also admitted to these programs. Present programs/courses of this department comprise B.Ed. (4 years), MEd, MA, MPhil and Ph.D. in the field of Special Education.

*All Programs of the Faculty of Education are recognized by HEC.*

**Fee Tariff for Ph.D. Programs  
Faculty of Education**

Sr. #	Nature of Fee	Amount	Description
1	Admission fee	Rs.2750/-	This fee will be paid with the fee for the first semester
2	Registration fee	Rs. 2750/-	Once at the time of Admission
3	Tuition fee for 9 credit hours course.	Rs.24750/-	(Rs.8250/- per 3 credit Hours)
4	Technology Fee	Rs.550/-	Each semester
5	Total Fee for the First Semester	<b>Rs.30800/-</b>	
6	Thesis Fee (3 <sup>rd</sup> -4 <sup>th</sup> -5 <sup>th</sup> -6 <sup>th</sup> )	Rs.24750/-	Rs.24750/- per Semester
7	Thesis Evaluation Fee	Rs.99000 /-	This fee will be paid at the time of submission of the thesis

**Fee Tariff for MPhil Programs  
Faculty of Education**

Sr. #	Nature of Fee	Amount	Description
1	Admission fee	Rs.1650/-	This fee will be paid with the fee for the first semester
2	Registration fee	Rs.1100/-	Once at the time of Admission
3	Tuition fee (4620x4)	Rs.18480/-	(Rs.4620/- per 3 credit Hours)
4	Technology Fee	Rs.550/-	Each semester
5	Total Fee for the First Semester	<b>Rs.21780/-</b>	
6	Thesis Fee	Rs.9240/-	3 <sup>rd</sup> & 4 <sup>th</sup> Semester (each)
7	Thesis Evaluation Fee	Rs. 18480/-	This fee will be paid at the time of submission of thesis

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 program.

## DEPARTMENT OF DNF&CE



*Dr. Muhammad Ajmal Chaudhary*  
**Chairman**



The department was established in 1984 and was renamed as Distance, Non-Formal and Continuing Education in 2008. It offers specialized degree programs/courses in Distance, Non-Formal and Continuing Education, Adult Education and Educational Technology at B.Ed., MA Education, MEd, MPhil, and Ph.D. (MPhil based) in Education

Moreover, the department also provides on-the-job training in distance learning system to the academic staff of AIU. Access to education is one of the fundamental rights of an individual, regardless of age, tribe, or social class. Non-formal education has been put in place to substitute formal

learning in localities where people do not have opportunities to acquire formal education, as a way of providing access to education. The Department also offers Certificate & Diploma courses in Literacy and Non-Formal Education.

### **MPhil Distance and Non-Formal Education**

#### **i. Eligibility**

Applicants for MPhil Education (Distance and Non-Formal Education) must possess the following qualification:

MA Education (at least 2<sup>nd</sup> division) **OR**

MEd (at least 2<sup>nd</sup> division) **OR**

MSEd (at least 2<sup>nd</sup> division) **OR**

BEEd (4 Year) **OR**

BS Education

Admission will be strictly made on a merit basis as per approved criteria.

#### **ii. Program Structure**

MPhil Education with specialization in Distance, Non-Formal and Continuing Education program comprises 24 credits hours course work and 12 credit hours thesis for MPhil.

### **Semester-1**

#### **a. Core Courses 12 Credit Hours**

S. No.	Code	Courses	Credit Hours
1.	3701	Trends and Issues in Education	3
2.	3703	Trends and Issues in Distance Education	3
3.	3751	Advanced Research Method	3
4.	3748	Qualitative Research in Education	3

### **Semester-2**

**Students can take any two clusters from the following:**

#### **b. Specialization 12 Credit Hours**

S. No.	Code	Courses	Credit Hours
1.	3726	Non-Formal Education-I	Cluster-A 3
	3727	Non-Formal Education-II	
2.	3728	Adult Education -I	Cluster-B 3
	3729	Adult Education -II	
3.	3730	Educational Technology-I	Cluster-C 3
	3731	Educational Technology-II	
4.	3732	Distance Education-I	Cluster-D 3
	3733	Distance Education-II	

#### **Research Work (Total 12 Credit Hours in 3<sup>rd</sup> – 4<sup>th</sup> Semester)**

Semester	Course Code	Title of Course	Credit Hours
3 <sup>rd</sup> Semester	8067	Thesis-1	6
4 <sup>th</sup> Semester	8068	Thesis-2	6

## **Ph.D. Programs**

### **Ph.D. Admission Criteria**

- i. Applicants holding MS/MPhil or equivalent, in the relevant area, completed with minimum 30 credit hours of coursework and research thesis/ project; and achieved at least CGPA 3.0/4.0 or 1st Division will be eligible for applying to Ph.D. program.
- ii. Application and processing fee along with copies of credentials will be uploaded online.
- iii. If a candidate wishes to apply in more than one specialization, he/she has to apply separately for each specialization/program. Short listing is done on the basis of subject specific criteria as mentioned in the sections below.
- iv. Merit will be determined based on educational qualification and experience, as well as score of subject test and interviews conducted by the department.
- v. Selected candidates will be intimated by the Directorate of Admission with the advice to deposit fees according to the schedule.

Admissions in Ph.D. are merit-based as per criteria approved by HEC and University Statutory bodies.

## **Ph.D. Distance and Non-Formal Education**

### **Semester-1**

**Common Courses** **9 Credit Hours**

<b>Sr. No.</b>	<b>Code</b>	<b>Courses</b>	<b>Credit Hours</b>
1.	4802	Qualitative Research Design	3
2.	4803	Quantitative Research Design	3
3.	4793	Preparing Critique in Educational Research	3

### **Semester-2**

#### **Specialization Courses:**

Student may take 02 specialization courses equal to 6 credit hours:

<b>Sr. No.</b>	<b>Code</b>	<b>Courses</b>	<b>Credit Hours</b>
1.	4771	Adult and Lifelong Education	3
2.	4773	Human Resource Management in Distance Education	3
3	4774	Comparative Education	3

### Collateral Area

Each student will take 01 course from this area equivalent to 3 credit hours.

Sr. No.	Code	Courses	Credit Hours
1.	4776	Discourse Analysis	3
2.	4777	Emerging Trends in Pedagogy	3
3.	4783	Educational Leadership & Management	3

### Research Work (Total 36 Credit Hours in 3<sup>rd</sup> – 6<sup>th</sup> Semester)

Semester	Course Code	Title of Course	Credit Hours
3 <sup>rd</sup> Semester	8147	Thesis-1	9
4 <sup>th</sup> Semester	8148	Thesis-2	9
4 <sup>th</sup> Semester	8149	Thesis-3	9
4 <sup>th</sup> Semester	8150	Thesis-4	9

At least one article is to be published before the viva voce exam as per HEC approved policy.

**For any queries, please contact at the following address:**

**Chairman**

*Department of Distance,  
Non-Formal & Continuing Education  
Faculty of Education, AIU, H-8, Islamabad  
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# DEPARTMENT OF EARLY CHILDHOOD EDUCATION & ELEMENTARY TEACHER EDUCATION



***Prof. Dr. Fazal ur Rahman***  
**Chairman**



The Department of Elementary Teacher Education was established in 2003. In April 2008, the name of the Elementary Teacher Education Department was changed to Early Childhood Education and Elementary Teacher Education Department. The Department offers an associate degree in education, Post Graduate Diploma in ECE and B.Ed. (1.5 year), B.Ed. (2.5), B.Ed. (4 years), MPhil and Ph.D. program, it also offers “Education” as a subject at Matric, Intermediate and Graduate level. The department is planning to launch, BS (ECCE) and Certificate of Entrepreneurship in ECCE. The department also plans to offer non-credit research courses and postgraduate diploma for teaching in higher education.

## **Ph.D. Elementary Teacher Education**

### **Ph.D. Admission Criteria**

- i. Applicants holding MS/MPhil or equivalent, in the relevant area, completed with minimum of 30 credit hours of coursework and research thesis/ project; and achieved at least CGPA 3.0/4.0 or 1st Division will be eligible for applying to Ph.D. program.
- ii. Application and processing fee along with copies of credentials will be uploaded online.
- iii. If a candidate wishes to apply in more than one specialization, he/she has to apply separately for each specialization/program. Short listing is done based on subject specific criteria as mentioned in the sections below.
- iv. Merit will be determined based on educational qualification, experience, as well as score of subject test and interview conducted by the department.
- v. Selected candidates will be intimated by the Directorate of Admission with the advice to deposit fee according to the schedule.

Admissions in Ph.D. are merit-based as per criteria approved by HEC and University Statutory bodies.

### **1<sup>st</sup> Semester (Core Courses)**

<b>Sr. No.</b>	<b>Code</b>	<b>Title of Course</b>	<b>Credit Hours</b>
1	4793	Preparing Critique in Educational Research	3
2	4802	Qualitative Research Methods	3
3	4803	Quantitative Research Design	3

### **2<sup>nd</sup> Semester (Core Course)**

4	4804	Elementary Teacher Education	3
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### **(Specialization in any one Cluster-6 Credit Hour)**

<b>Cluster</b>	<b>Code</b>	<b>Title of Course</b>	<b>Credit Hours</b>
Curriculum	4805	Curriculum Change & Policy Analysis	3
	4806	Curriculum Integration	3
Educational Psychology	4807	Developmental Psychology	3
	4808	Constructivism in Education	3
Assessment	4809	Comparative Assessment	3
	4810	Large-Scale Assessment in Education	3
Educational Research	4811	Survey Research	3
	4812	Experimental Research	3
Educational Administration	4813	Total Quality Management	3
	4814	Human Resource Management in Education	3

### **Research Work (Total 36 Credit Hours in 3<sup>rd</sup> – 6<sup>th</sup> Semester)**

<b>Semester</b>	<b>Course Code</b>	<b>Title of Course</b>	<b>Credit Hours</b>
<b>3<sup>rd</sup> Semester</b>	8171	Thesis-1	9
<b>4<sup>th</sup> Semester</b>	8172	Thesis-2	9
<b>5<sup>th</sup> Semester</b>	8173	Thesis-3	9
<b>6<sup>th</sup> Semester</b>	8174	Thesis-4	9

At least one article is to be published before the viva voce exam as per HEC approved policy.

For queries, please contact at the following address:

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*Department of Early Childhood Education &  
Elementary Teacher Education  
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Sector H-8, Islamabad  
Ph: 051-9057718, 051-9250167*

**FACULTY MEMBERS (ECE & ETED)**

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## **MANDATORY INFORMATION**

- i. The certificates/degrees of AIOU are equivalent to any other recognized Board/University.
- ii. If an applicant of post-graduate/research level program does not receive any information regarding admission within ten days after appearing in test of admission, he/she should presume non-selected.
- iii. **A student already admitted to any program, or a specialization of a program shall not be allowed to transfer or to get admission to another program unless he/she formally postpones it till the completion of the new program or withdraws from the previous program.**
- iv. A course taken by any student cannot be change during the semester.
- v. **Admission to courses for both the Spring and Autumn semesters are generally offered in the months of January and July each year respectively. Examinations will commence in May and November respectively. The continuing students will Enroll online on AIOU website and deposit fee within due date.**
- vi. The fee shall not be refunded once paid for admission nor it will be adjusted for any other program.
- vii. On payment of the registration fee, each student will be issued a registration number. This number must be quoted in all the future correspondence, course(s), code numbers and semester.
- viii. Study material shall be available on the university website for study and download purposes.
- ix. Rules and regulations framed, enhanced, 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 its implementation.
- x. A student who fails in continuous assessment component, he/she is not eligible to reappear but will be allowed to re-register for the same course at its next offering semester by the university.
- xi. It is the responsibility of the student to remain in touch with the department regarding the selected program.
- xii. After completion of a program successfully, a student must apply to Controller of Examinations for issuance of certificate/degree.
- xiii. The university reserves the right to change the contents of this prospectus without any prior notice as per university policy.
- xiv. 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 shall be considered as correct name. The Examination Department shall also issue a certificate/ degree in the said name.
- xv. In the case of provision of forged documents for admission, not only the admission will be refused/ceased to the applicant, but the fee deposited by him/her will also be forfeited. The university may proceed further in the matter as deemed appropriate.
- xvi. The Candidates having GRE/HAT (Subject) conducted by ETS with minimum of 60 percentile score or an equivalent as per HEC policy be considered for admission in Ph.D. programs and shall not have to appear in the departmental admission test conducted by the university.

- xvii. Efforts have been made to ensure the accuracy of the information contained in the prospectus. The university would, however, not be responsible for any errors or omissions. The university reserves the right to introduce changes, without any prior notice, in the information given, including additions, withdrawal or re-structuring of courses. Admission to the university is subject to the university's registration procedure.

#### **PROCEDURE FOR DEPOSITING FEE**

1. Applicants will deposit admission processing fee (Rs.500) in designated banks or through Telcos.
2. Eligible candidates for (**Merit Based Programs**) are required to deposit admission fee in any branch of the following banks:
  - i. First Women Bank Limited (FWBL)
  - ii. Allied Bank Limited (ABL)
  - iii. Muslim Commercial Bank (MCB)
  - iv. United Bank Limited (UBL)
3. Fee can also be Deposited through Jazz Cash, Easy Paisa and Upaisa Mobile App/USSD String \*786#, Retailer Agent, Franchise and Branches of Mobilink, Telenor and Ubank. For more details, please visit the university website.  
The Banks/Mobile App/Retailer Agents/Franchise/Branches will provide Transaction ID of deposited fee.  
Successful candidates are supposed to deposit their fee as per the procedure laid down by the university in the intimation.  
Fee can neither be refunded nor be adjusted for future admission after finalization of admission.

#### **CANCELLATION OF ADMISSION**

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

- (f) In case the candidate is found guilty of having forged any of his/her degree or relevant documents presented to the University for Admission to MPhil/Ph.D. program.
- (g) Disciplinary action against misbehavior/misconduct.
- (h) Plagiarizing
- (i) If he/she fails in fulfilling all the requirements of qualifying for the degree within the maximum time limit prescribed for the program excluding the periods of deferment with the approval of the competent authority.

**Note:** Beware that University has not authorized any person or private institute to collect payment/forms. All the students are instructed to deposit fee by themselves in designated bank branches. In case of any discrepancy in admission fee/admission form the University will not be responsible and the student will have to face the consequences.

# ALLAMA IQBAL OPEN UNIVERSITY, REGIONAL NETWORK

## FEDERAL AREA ISLAMABAD

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Email: rd\_isb@aiou.edu.pk

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