



# POSTGRADUATE PROSPECTUS

MNS - UNIVERSITY OF AGRICULTURE, MULTAN



2025–2026



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## Vice Chancellor's Message

I am delighted to extend a warm welcome to you as you embark on your journey towards higher education at Muhammad Nawaz Shareef University of Agriculture, Multan (MNSUAM). Our Varsity has a long-standing reputation for excellence in agricultural sciences and allied disciplines, and we are proud to offer a wide range of postgraduate programs tailored to meet the evolving needs of the agricultural industry and beyond. Currently university is offering 34 postgraduate degree programs including 12 PhD programs after taking NOC from Higher Education Commission (HEC). As the Vice Chancellor of the University of Agriculture, I am committed to the provision of an enriching and transformative educational experience for our postgraduate students. Our programs are designed to equip you with the up-to-date knowledge, skills, digital literacy and expertise needed to address the complex challenges facing our world today, particularly in the realm of agriculture, food security, and sustainable development.

The realignment of the institute's vision and mission has led to a rapid growth in research, innovation as well as quality education, which are necessary for development in the country and ultimately, financial independence. We have created a strong sense of promoting an innovative research culture where scientific dreams are being transformed into reality. Our research ethics are purely based on integrity, accountability, and equal opportunities for all the students. Strong industrial linkages of this University and the bond we share with the local and international community has made it possible for us to procure new avenues for our students in every sector and strata of the farming community and industries. It is the unprecedented support of both the aforementioned sectors that is helping and nurturing this university every day.

At the University of Agriculture, we have a distinguished faculty comprising of experienced academics, researchers, and industry professionals who are at the forefront of their respective fields. They are dedicated to mentoring and guiding you throughout your academic journey, fostering a culture of innovation, critical thinking, and interdisciplinary collaboration. Our purpose-built campus, state-of-the-art laboratories, research facilities, field stations and the bond that we share with our allied institutes within the Agriculture Complex provide a conducive environment for conducting cutting-edge research and hands-on training. As a postgraduate student, you will have the opportunity to engage in research projects, publish your work in referred journals, and participate in national and international conferences and symposiums. We believe in fostering a culture of scholarly inquiry and encouraging you to push the boundaries of knowledge through your research endeavours. You will also benefit from networking opportunities with fellow students, faculty, and industry leaders, creating valuable connections that will support your future career aspirations.

Moreover, our students are provided with ample opportunities for entrepreneurship during their studies through platforms like Business Incubation Centre, where they can get their business ideas incubated. Also, paid studentships are offered, so that students can study without any financial burden on their parents. I am proud to proclaim that our experienced and highly qualified faculty, vigilant and profound administration, our well-established offices of research and innovation and quality enhancement are always there to facilitate the students. Apart from these offices, the plethora of opportunities we provide from the platform of Graduate Research Center, co-curricular activities, character and skill building programs nurture and nourishes the well-being of our students.

On behalf of the entire university community, I extend my best wishes to you as you commence this exciting chapter of your academic career. I encourage you to seize this opportunity and make the most of the resources and opportunities available to you. I congratulate you for choosing MNSUAM and accepting the challenge to become good academic citizens having both advanced knowledge in their respective fields and integrity to lead technological progress and agriculture-based economic development of the country.



**Prof. Dr. Asif Ali (T.I)**

**Vice Chancellor**



# Multan City

## Mandina-tu-Aulya, MULTAN

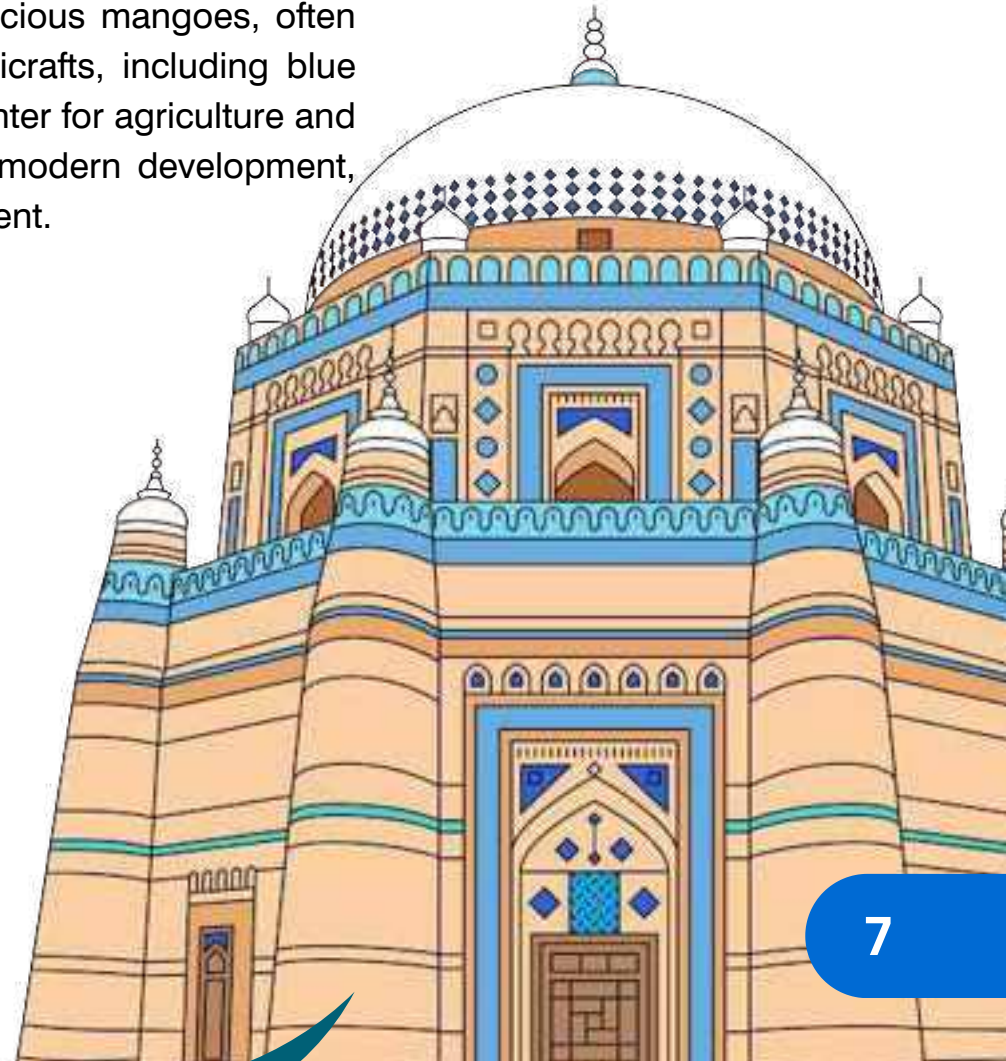
Multan, often called the “City of Saints,” is one of the oldest living cities in South Asia with a history dating back thousands of years. Known for its rich cultural and spiritual heritage, it is home to numerous Sufi shrines and historical landmarks, attracting pilgrims and visitors from across the country. Multan is also famous for its delicious mangoes, often referred to as the best in the world, as well as its thriving handicrafts, including blue pottery, embroidered textiles, and traditional artwork. As a major center for agriculture and trade, especially cotton, Multan combines ancient traditions with modern development, making it a vibrant and significant city in Pakistan’s history and present.

### City Facts

- 📏 3,721 square kilometers
- 📍 950 km from Karachi
- 📍 630 km from Islamabad
- 📍 356 km from Lahore

### Popular Mango Varieties

- |                |           |
|----------------|-----------|
| 🍷 Anwar Ratole | 🍷 Langra  |
| 🍷 Dusehri      | 🍷 Chaunsa |



The city of Multan achieved another milestone towards higher education in the form of Muhammad Nawaz Shareef University of Agriculture, Multan (MNSUAM). The establishment of a full-fledged agriculture University was long awaited in this region since the majority of the population is directly or indirectly linked with agriculture for their bread and butter. The main objective of the University is to provide systems and leadership for professional learning, research and outreach to promote agricultural production, nutrition, entrepreneurship and community service to meet its mission of "food security and knowledge economy through intellectual and social transformation". The university has been recognized by the Higher Education Commission, Pakistan. Since then, it has emerged as a fast-growing Public Sector University that is determined to mark its name among the best agricultural universities in the country. The University has highly qualified, skilled and dedicated faculty having experience of teaching students and mentoring them for professional learning, acquiring knowledge and developing skills to meet modern day challenges. Mostly young and dynamic faculty is the distinction of this University.

The University is housed in a large Agriculture Complex along with provincial and federal agricultural research institutes/stations and field service centers. This shows the commitment of the management to work for betterment of the people of this area, allied industry and the agriculture sector. The University has several achievements at its credit since its establishment in 2012. A Central Hi-Tech Laboratory for high quality research and several state of the art laboratories have also been set up in the Institute of Plant Protection, Institute of Plant Breeding and Biotechnology, Department of Horticulture, Soil and Environmental Science and Computer Science. The postgraduate students of University are using these facilities to accomplish their research goals.

Students' enrollment to postgraduate degree programs has substantially increased with the initiation of new degree programs, and strengthening of physical and technological infrastructure. Currently, a total of 448 students are enrolled in M.Sc. (Hons.) Agriculture and 86 students are registered under PhD degree program. University offers postgraduate degree programs in the discipline of Agronomy, Entomology, Horticulture, Plant Breeding and Genetics, Soil Science, Food Science & Technology. Postgraduate degree programs in Agricultural Economics, Seed Science & Technology, Plant Pathology, Biotechnology, Climate Change, Computer Science, Post Harvest Technology and MS (Management–Specialization in Agribusiness) are in the pipeline to be launched.

During the year, the faculty has published a significant number of research publications (83 in total) in national and international journals. A number of national and international research projects are running, and research grants won so far have climbed over 448 million PKR.

Faculty development is one of the prime objectives of the University. Hence, their participation in various conferences, workshops, seminars and trainings both at the national and international level is encouraged and facilitated in every possible way. The University has prioritized its community service programs via effective outreach in the form of farmer advisory services, weather forecasts, farmer field days, organizing seminars, workshops and conferences on contemporary issues and promotion of kitchen gardening and tree plantation campaign. Moreover, the University in quest of increased connectivity and internationalization has signed 82 MoUs/agreements with national and international organizations, including development of partnerships with high ranked universities of the world for promotion of knowledge, capacity building and strengthening research and development.

# MNSUAM at a GLANCE



## Academic

- Students Enrollment: **5975**
- Degree Programs:
  - Undergraduate: **28**
  - Postgraduate: **33**
- Faculty Strength: **148**
- Students Societies/Clubs: **20**
- MoUs/Agreements: **155**



## Research

- Research Publications: **274**
- Ongoing Research Projects:
  - National: **30**
  - International: **10**
  - Industry: **12**
- Conferences/Seminars/Webinars: **139**



## Learning Resources

- Library (Books): **5721**
- Computer Labs: **05**
- Faculty Development Trainings: **34**



## Transportation

- Buses: **06**
- High Roof: **02**
- Coaster: **01**



## Accommodation Facility

- Boys Hostel: **01**
- Girls Hostel: **01**
- Guest House: **01**



## Global Ranking

- World University with Real Impact Rankings 2023
  - (Top Innovative Universities): **101–200**
- Times Higher Education Impact Rankings 2023 (Climate Action): **201–300**



## Scholarships & Funding

- Skill Development: **9.43** Million PKR
- Scholarships/Stipends: **39.51** Million PKR





# UNIVERSITY ADMINISTRATION

*“the team beyond the success”*

The Syndicate is the highest executive body of the University, while Academic Council, Selection Board, Finance and Planning Committee, Board of Advanced Studies and Research, Board of Faculty, and Departmental Board of Studies are the other statutory bodies of the University. The administrative setup of the University is as follows:





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## HARASSMENT MONITORING CELL



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## Vision:

To be a world leader in advancing knowledge, fostering innovation, and addressing global challenges in the field of agriculture and allied sciences through cutting-edge research and advanced studies.



## Mission:

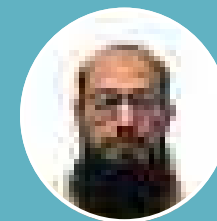
- To cultivate a vibrant research ecosystem that attracts and nurtures top-tier researchers and scholars.
- To promote cutting-edge research in the field of agriculture and allied sciences, leading to significant advancements in science, technology, and humanities.
- To foster a collaborative and interdisciplinary research environment, enabling the exchange of ideas and knowledge across disciplines.
- To translate research findings into practical applications that benefit society and enhance the quality of life.
- To contribute to the university's overall mission of academic excellence and global recognition.
- To maintain the highest standards of ethical conduct in research, promoting integrity, transparency, and accountability in all research activities.

## Functions:

- To process the approval of new/revised postgraduate courses through Graduate Study Research Board (GSRB)/Board of Advanced Studies and Research (BASR).
- Processing of applications for admission to M.A., M.Sc., M. Phil./MS/M.Sc. (Hons.)/MBA and Ph.D. programs.
- Collection of course work and enrolment forms (GS/10) of postgraduate students in each semester.
- Scrutiny of the synopsis and thesis, course work program and supervisory committees of M.A., M.Sc., M.Phil./MS/M.Sc. (Hons.)/MBA and Ph.D. students and arranging their approval by GSRB/BASR.
- Scrutiny of the thesis of postgraduate students to ensure their proper format as laid down by GSRB.
- Preparation of agenda and conduct of meetings of GSRB/BASR.
- Execution of the policies and decisions of GSRB/BASR.

## Achievements So Far:

- Directorate of Graduate Studies is determined to exploit its potential for the betterment of the University as well as the community. During 2023–2024, this office had conducted four (04) meetings of Graduate Studies and Research Board /Board of Advanced Studies and Research wherein several decisions were taken including the following:
- Approval of course work, supervisory committees, titles of the synopses of postgraduate students.
- Approval of panels of examiners for evaluation of a research examination of MSc. (Hons.) / MPhil/MS students.
- Initiation of MBA Executive degree program.
- Initiation of MBA Regular degree program.



**Dr. Nasir Nadeem**  
Director  
Graduate Studies



**Dr. Rao Muhammad Ikram**  
Additional Director  
Graduate Studies

# Relevant Qualification for Admission

Programs	Subject	Duration (Semesters)		Eligibility Criteria
		Minimum	Maximum	
Master of Science (Hons) Regular	• Plant Pathology	4	8	<ul style="list-style-type: none"> <li>• B.Sc. (Hons.) Agriculture Plant Pathology OR</li> <li>• B.Sc. (Hons.) Agriculture with any major subject</li> <li>• BS/ M.Sc. Plant Biotechnology, Microbiology having Agriculture background</li> <li>• (Deficiency courses will be offered where necessary)</li> </ul> <hr/> <ul style="list-style-type: none"> <li>• B.Sc. (Hons.) Agri. with major in relevant field of study from any HEC recognized university / DAIs.</li> <li>• At least Second Division <math>\geq 50\%</math> marks for annual system or CGPA not less than 2.50 / 4.00 for the semester system. Qualified GRE/HAT General/Equivalent test with passing score 50% or</li> <li>• MNS-UAM Entry Test with passing score 50% is also acceptable.</li> <li>• Biotechnology and Microbiology having agriculture background considered eligible for M.Sc.(Hons.) Plant Pathology.</li> </ul>
	• Entomology	4	8	
	• Horticulture	4	8	
	• Food Science & Technology	4	8	
	• Postharvest Management Technology	4	8	
	• Plant Breeding & Genetics	4	8	
	• Agronomy	4	8	
	• Soil Science	4	8	
	• Weed Science	4	8	
Master of Science (Hons.) Regular	Human Nutrition and Dietetics	4	8	

# Relevant Qualification for Admission

Master of Science (Hons.) Regular	• Agriculture Economics	4	8	<ul style="list-style-type: none"> <li>• B.Sc. (Hons.) Agricultural Economics / B.Sc. (Hons.) Agriculture and Resource Economics / BBA Agribusiness / BS Agribusiness and Marketing</li> <li>• At least Second Division 50% marks for annual system or CGPA not less than 2.50 / 4.00 for the semester system.</li> <li>• Qualified GRE/HAT General/Equivalent test with passing score 50% or</li> <li>• MNS-UAM Entry Test with passing score 50% is also acceptable.</li> </ul>
Master of Science (Hons.) Regular	• Biotechnology	4	8	<ul style="list-style-type: none"> <li>• B.Sc. (Hons.) Agriculture with all majors/ BS or M.Sc. in relevant subject from HEC recognized Universities/DAIs. (Deficiency courses will be offered to the admitted students on the recommendation of the department if required)</li> <li>• At least Second Division 50% marks for annual system or CGPA not less than 2.50 / 4.00 for the semester system.</li> <li>• Qualified GRE/HAT General/Equivalent test with passing score 50% or</li> <li>• MNS-UAM Entry Test with passing score 50% is also acceptable.</li> </ul>
Master of Science (Hons) Regular	Seed Science and Technology	4	8	<ul style="list-style-type: none"> <li>• B.Sc. (Hons.) with major in Seed Science and Technology, Agronomy, Entomology, Food Science &amp; Technology, Horticulture, Plant Breeding &amp; Genetics, Soil Science, Biotechnology, Plant Pathology, from HEC recognized Universities/DAIs. (Deficiency courses will be offered to the admitted students on the recommendation of the department if required)</li> <li>• At least Second Division 50% marks for annual system or CGPA not less than 2.50 / 4.00 for the semester system.</li> <li>• Qualified GRE/HAT General/Equivalent test with passing score 50% or</li> <li>• MNS-UAM Entry Test with passing score 50% is also acceptable.</li> </ul>

# Relevant Qualification for Admission

Master of Science (Hons) Regular	Climate Change	4	8	<ul style="list-style-type: none"> <li>• Sixteen years of Education in any of the following disciplines: Agricultural Sciences (All majors)/ B.Sc. (Hons.) Soil and Environmental Sciences/ Agri. Engineering/Environmental Engineering/ Environmental Sciences, /Agri. Economics / Food Science and Technology/ Dairy Technology/ Dairy Science and Technology/ DVM / Animal Husbandry/ Poultry Sciences/ Fisheries/ Agri. Business.</li> <li>• (Deficiency courses will be offered to the admitted students on the recommendation of the department if required).</li> <li>• At least Second Division 50% marks for annual system or CGPA not less than 2.50 / 4.00 for the semester system.</li> <li>• Qualified GRE/HAT General/Equivalent test with passing score 50% or MNS-UAM Entry Test with passing score 50% is also acceptable.</li> </ul>
Master of Science (Hons) Regular	Agricultural Extension	4	8	<ul style="list-style-type: none"> <li>• 4 years Bachelor B.Sc. (Hons) Agriculture Extension or any major of Agriculture.</li> <li>• Student having B.Sc. (Hons) Agriculture other than Agricultural Extension major will have enroll deficiency courses as per recommendation of supervisory committee with approval of BoS.</li> <li>• Total Credit Hours: As per HEC policy.</li> <li>• At least Second Division 50% marks for annual system or CGPA not less than 2.50 / 4.00 for the semester system.</li> <li>• Qualified GRE/HAT General/Equivalent test with passing score 50% or MNS-UAM Entry Test with passing score 50% is also acceptable.</li> </ul>
Master of Science (Hons) Regular	Agro-Industrial Engineering Technology	4	8	<ul style="list-style-type: none"> <li>• Four years Bachelor's degree in Agro-Industrial Engineering Technology, Industrial Engineering Technology, Chemical Engineering Technology, Mechanical Engineering Technology, Food Science and Technology, Energy Engineering Technology and Industrial Engineering, Industrial Manufacturing Engineering, Industrial Engineering Management, Agricultural Engineering, Chemical Engineering, Mechanical Engineering, Energy Systems/Energy Engineering, Environmental Engineering, Food Engineering from HEC recognized University/Institute.</li> <li>• At least first Division 60% marks for annual system or CGPA not less than 2.50 / 4.00 for the semester system.</li> <li>• Qualified GRE/HAT General/Equivalent test with passing score 50% or MNS-UAM Entry Test with passing score 50% is also acceptable.</li> </ul>



# Relevant Qualification for Admission

Master of Science (Hons)  Regular	Energy System Engineering	4	8	<ul style="list-style-type: none"> <li>• Eligibility Criteria for Master of Science (Honors) Energy Systems Engineering</li> <li>• All four year Engineering Programs accredited by Pakistan Engineering Council</li> <li>• At least first Division 60% marks for annual system or CGPA not less than 2.50 / 4.00 for the semester system.</li> <li>• Qualified GRE/HAT General/Equivalent test with passing score 50% or</li> <li>• MNS-UAM Entry Test with passing score 50% is also acceptable.</li> </ul>
Master of Science (Hons)  Regular	Agricultural Engineering	4	8	<ul style="list-style-type: none"> <li>• Four years bachelor's degree in Agricultural/Civil/Mechanical/ Water Resource Engineering from HEC recognized University/ Institute.</li> <li>• At least first Division 60% marks for annual system or CGPA not less than 2.50 / 4.00 for the semester system.</li> <li>• Qualified GRE/HAT General/Equivalent test with passing score 50% or</li> <li>• MNS-UAM Entry Test with passing score 50% is also acceptable.</li> <li>• The percentage score will be considered only if the CGPA is not recorded/mentioned on the transcript.</li> </ul>
Master of Science (MS)  Regular	Computer Science	4	8	<ul style="list-style-type: none"> <li>• BS(CS) 4-Years Degree Program (minimum 130 credit hours), or Computer Science Conversion Course 2 Years Degree Program referred to as "MCS" or M.Sc. (Computer Science).</li> <li>• BCS 3-Years Degree Program-Student will be required to complete the deficiency of difference of total earned credit hours and 130 credit hours.</li> <li>• Candidates having Computer Engineering/Bachelor of Science in Software Engineering / Bachelor of Science in Information Technology / Bachelor of Engineering in Information Technology / Bachelor of Engineering (Computer &amp; Information System) / B.Sc. Computer System Engineering (16-year education) and MIT are also eligible but have to qualify deficiency course(s). Deficiency courses will be offered to admitted students by the departmental committee in the light of HEC guidelines.</li> <li>• All degrees should be from HEC recognized Universities/DAIs.</li> <li>• At least Second Division 50% marks for annual system or CGPA not less than 2.50 / 4.00 for the semester system for all degree programs of MSc(Hons)/MS/MBA.</li> <li>• Qualified GRE/HAT General/Equivalent test with passing score 50% or</li> <li>• MNS-UAM Entry Test with passing score 50% is also acceptable. .</li> </ul>

# Relevant Qualification for Admission

Master of Science (MS) Regular	(Management-Agribusiness Specialization)	4	8	<ul style="list-style-type: none"> <li>• BBA (Agribusiness)/B.Sc. (Hons.) Agricultural Economics / Agricultural and Resource Economics, Marketing and Agribusiness Major. (Four years degree programs)</li> <li>• MBA (Agri. Business) (two years degree program)</li> <li>• M.Sc. (Economics) (with deficiency courses of one semester as decided by the department)</li> <li>• General BBA (4-year) (with deficiency courses of one semester as decided by the department)</li> <li>• B. Sc. (Hons.) Agri. (all other majors)/ B. Sc. (Hons.) A.H./ DVM/ B. Sc. (Hons.) Food Sciences/ B. Sc. (Hons.) Agri. Engineering (with deficiency courses of one semester as decided by the department).</li> <li>• BS Agribusiness and Marketing (4-year degree program).</li> <li>• All degrees should be from HEC recognized Universities/DAIs.</li> <li>• At least Second Division 50% marks for annual system or CGPA not less than 2.50 / 4.00 for the semester system.</li> <li>• Qualified GRE/HAT General/Equivalent test with passing score 50% or</li> <li>• MNS-UAM Entry Test with passing score 50% is also acceptable.</li> </ul>
MBA Regular	MBA (Regular)	4	8	<ul style="list-style-type: none"> <li>• Minimum 16 years of education preferably having a background in BBA Agribusiness, B.Sc. (Hons) Agriculture, BBA (Hons), BS Economics/Commerce/Marketing/HRM/Accounting and Finance</li> <li>• In case, the applicant has completed 16 years of education in a discipline other than BBA Agribusiness, BBA (Hons), BS in Economic/ Commerce/Marketing/HRM/Accounting and Finance must fulfill other eligibility requirements. Such applicant is bound to;</li> <li>• At least Second Division 50% marks for annual system or CGPA not less than 2.50 / 4.00 for the semester system.</li> <li>• Qualified GRE/HAT General/Equivalent test with passing score 50% or</li> <li>• MNS-UAM Entry Test with passing score 50% is also acceptable.</li> <li>• Take deficiency courses, as decided by BOS/Departmental committee)</li> </ul>

# Relevant Qualification for Admission

MBA Weekend	MBA Executive	4	8	<ul style="list-style-type: none"> <li>• Minimum 16 years of education preferably having a background in BBA Agribusiness, B.Sc. (Hons) Agriculture, BBA (Hons), BS Economics/ Commerce/ Marketing/ HRM/ Accounting and Finance.</li> <li>• At least Second Division 50% marks for annual system or CGPA not less than 2.50 / 4.00 for the semester system.</li> <li>• Qualified GRE/HAT General/Equivalent test with passing score 50% or</li> <li>• MNS-UAM Entry Test with passing score 50% is also acceptable.</li> <li>• At least one year working experience.</li> <li>• In case the applicant has already got an MBA degree other than agribusiness and wants to upgrade with an agribusiness degree they may be exempted with the courses they had already studied in their MBA program which will be decided by the BOS/ Departmental committee. However, the applicant must fulfill the two years residential period in any case.</li> <li>• In case, the applicant has completed 16 years of education in a discipline other than BBA Agribusiness, BBA (Hons), B.Sc. (Hons) Agriculture or BS in Economics, Commerce, Marketing, HRM, Accounting and Finance must fulfill other eligibility requirements. Such applicant is bound to;</li> <li>• Take deficiency courses, as decided by BOS/Departmental committee</li> <li>• If deficiency courses are more than 06 credit hours then the applicant has to take zero semester otherwise he/she will take deficiency courses in the first semester along with regular courses.</li> </ul>
Master of Science (MS) Regular	Poultry Science	4	8	<ul style="list-style-type: none"> <li>• B.Sc. (Hons.)/ BS Poultry Science, B.Sc. (Hons.) Agriculture Sciences with Animal Sciences as major subject, B.Sc. (Hons.) Animal Sciences or DVM (registered with veterinary council).</li> <li>• At least Second Division 50% marks for annual system or CGPA not less than 2.50 / 4.00 for the semester system.</li> <li>• Qualified GRE/HAT General/Equivalent test with passing score 50% or</li> <li>• MNS-UAM Entry Test with passing score 50% is also acceptable.</li> </ul>

# Relevant Qualification for Admission

<p>Doctor of Philosophy (PhD)</p> <p>Regular</p>	• Plant Pathology	8	16	<ul style="list-style-type: none"> <li>• M.Sc. (Hons.) Agriculture Plant Pathology, OR</li> <li>• M.Sc. (Hons.) Agriculture with any major subject</li> <li>• M.Phil in plant biotechnology. Microbiology having an agriculture background</li> </ul> <p>Deficiency courses will be offered where necessary</p> <hr/> <ul style="list-style-type: none"> <li>• M.Sc. (Hons.) / M.Phil. / MS (18 years of education) in relevant subject from HEC recognized Universities/DAIs.</li> <li>• A Research proposal.</li> <li>• At least first Division 60% marks for annual system or CGPA not less than 3.0 / 4.00 for the semester system.</li> <li>• Qualified GRE/HAT General test conducted by testing bodies accredited by HEC with passing score 60%</li> </ul> <p>or</p> <ul style="list-style-type: none"> <li>• Qualified subject test conducted by MNS-UAM with a minimum passing score 70%.</li> <li>• Biotechnology and Microbiology having agriculture background considered eligible for PhD Plant Pathology.</li> </ul>
	• Entomology	8	16	
	• Horticulture	8	16	
	• Food Science & Technology	8	16	
	• Plant Breeding & Genetics	8	16	
	• Agronomy	8	16	
	• Soil Science	8	16	
	Human Nutrition and Dietetics	8	16	
	• Agriculture Economics	8	16	
	• Biotechnology	8	16	
	• Zoology	8	16	
	• Seed Science and Technology	8	16	



# Relevant Qualification for Admission

<p>Doctor of Philosophy (PhD)</p> <p>Regular</p>	<ul style="list-style-type: none"> <li>• Computer Science</li> </ul>	8	16	<ul style="list-style-type: none"> <li>• To be eligible for admission in PhD, a candidate shall possess MS/ MPhil degree in (Computer Science, Information Technology, Software Engineering Data Science, Information Security, Artificial Intelligence. Computer &amp; Information System and Engineering) subject from a recognized university.</li> <li>• At least first Division 60% marks for annual system or CGPA not less than 3.0 / 4.00 for the semester system.</li> <li>• Qualified GRE/HAT General test conducted by testing bodies accredited by HEC with passing score 60% or</li> <li>• Qualified subject test conducted by MNS-UAM with a minimum passing score 70%.</li> <li>• Any other requirement recommended by HEC or approved by the department.</li> </ul>
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## STATUTES AND REGULATIONS RELATING TO THE DEGREE OF MSC (HONS) /M PHIL/MBA / MS IN FULL AND PARTIAL RESIDENCE

### I. STATUTES

#### Duration and Requirements of Degree Program

1. (i) The duration for the Degrees of M.Sc. (Hons.)/MPhil/MS/MBA shall not be less than four (4) and more than eight (8) semesters in full residence except in case a student is unable to secure an M.Sc. (Hons.)/MPhil/MS/MBA within the prescribed time frame and claims for extension in duration, his/her case shall be brought to BASR to determine the causes of delay. In the event of force majeure (i.e., delay on account of circumstance beyond the control of student), the university may grant an extension in the period of award of MS/MPhil/MBA degree and shall also take corrective measures in case the delay is caused due to process or administrative reasons.<sup>1</sup>
- (ii) a) If the employee of the government/other agencies gets NOC and study leave (where applicable) from his/her department /competent authority, he/she will be allowed to get admission as regular/part time student and pursue his/her studies in M.Sc.(Hons)/M.Phil/MS/MBA degree programs.<sup>1</sup>
- (iii) The supervisors of M.Sc. (Hons.) /M Phil /MS/MBA students shall submit a report with regard to each M.Sc. (Hons.) / M. Phil / MS student showing general progress particularly in research, such report shall be submitted on prescribed form (GS/13) after each semester to the Graduate Studies and Research Board/Board of Advanced Studies and Research through the Chairperson of the Department/Dean concerned.  
The medium of instruction and examination shall be English.
- 2 (i) There shall be two semesters (Winter and Spring) of 19 weeks each and a summer session of 8 to 10 weeks in each academic year. The commencement of semesters shall be regulated by the Academic Council.  
Explanation: Out of 19 weeks, 16 weeks shall be actual teaching time; the rest may be utilized for enrolment, conduct of examinations and declaration of results, etc.
- (ii) a) Summer session shall be optional. Students who desire to take deficiency / compulsory minor courses as approved in their course work programs. Failed courses and the courses in which they are allowed to improve grades under the rules, may be enrolled during this session. It shall not count towards residential requirements.  
b) In Summer session double classes will be held to compensate the normal study hours of a regular semester and 75% attendance in theory and practical separately for each course, shall be observed.
3. The subjects of study for the degree programs as given in schedule-I, may be amended from time to time. A student shall present an acceptable thesis in addition to completing his/her approved Course Work in order to qualify for the award of the degree.
4. A student admitted to the degree program shall be required to undertake the following:
  - (i) For the award of M.Sc. (Hons.)/MS/MBA Equivalent degree candidate will complete 30 credit hours of course work or complete 24 credit hours of course work along with a minimum of 6 credit hours for research work/thesis. Deficiency/compulsory minor/audit course(s) shall not be counted toward the minimum credit hours requirement.
  - (ii) The credit hours in the course work shall be two third from the major and one third from the minor field(s) of study. The minor field(s) of study may be one or two but shall not exceed three.

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<sup>1</sup>Approved by Syndicate in its 42 meeting held on 14.12.2024.

## M.Sc. (Hons)/MS/MBA/M.Phil STATUTES

### Explanation:

- For the Department of Computer Science, Information Technology, Agribusiness, Faculty of food & home sciences and faculty of veterinary & animal sciences the Major and Minor courses shall be read as Core and Elective courses respectively.<sup>1</sup>
- The ratio of major and minor courses would be 2:1 and shall not apply to credits taken over and above the minimum requirement of 30 credits.

(iii) **Example:** The number of minimum credit hours under major and minor courses will be 20 and 10.

The following courses shall be compulsory:

(a) Courses Stat-705 (Statistical Methods for Social Sciences) shall be compulsory minor for students of Faculty of Social Sciences and Humanities, and Stat-701 (Experimental Statistics) for Faculty of Agriculture and Environmental Sciences, respectively except those who have qualified equivalent course(s) from other HEC recognized institutions.

(b) Course Biochem-700 (Introduction to Biochemistry) shall be compulsory minor course for students of the Faculty of Agriculture and Environmental Sciences, MNS-UAM except those who have already taken equivalent course(s) from other HEC recognized institutes.

(c) Courses taken as compulsory minor shall not be counted toward minor field required under Statute 4(ii) but will be counted in GPA/CGPA.

The academic matters of the all the departments of the university would be routed through the Dean of the Faculty concerned.

## 5. II REGULATIONS

### Admission to the Course

1. A candidate seeking admission to the degree must:

- have sixteen years of schooling or 4 years education after HSSC/F.A./F.Sc./Grade 12 or equivalent (at least 120 credit hours) with at least second division (equal to or greater than 50% in annual system) /CGPA2.50 (out of 4.00 scale in the semester system) in the degree on the basis of which admission is requested. The admission will be subject to qualify a university test with a passing score of 50% or accept the GRE/HAT General/Equivalent tests, with a passing score of 50%.
- have a domicile of the Punjab province. Candidate with domicile other than the Punjab province has to produce a nomination letter from his/her respective provincial government against reserved seats if any.
- Lists of selected candidates will be displayed on the Notice Boards of Directorate of Graduate Studies, concerned Teaching Department and the University Website. No candidate will be informed individually about his/her selection for admission/withdrawal or cancellation of admission in a Department.
- Medical certificate shall be submitted by selected candidates at the time of admission to the effect that he/she is free from any communicable (contagious) disease or mental or physical disability which is likely to stand in the way of his/her pursuing the chosen field of study. Only those medical certificates shall be accepted which have been issued by the University Medical Officers or authority designated by the university itself. Prescribed amount in lieu of medical certificate will be charged in this context.
- The selected candidates shall present, at the time of admission, the following documents in original and two attested photocopies of these certificates to the Directorate of Graduate Studies for examination and record:
  - CNIC
  - Academic Certificates

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<sup>1</sup>Approved by Syndicate in its 22nd meeting held on 03.05.2019

## M.Sc. (Hons)/MS/MBA/M.Phil STATUTES

- c) Hafiz-e-Quran Certificate (if applicable)
  - d) Medical Certificate
2. The intra-disciplinary admissions will be allowed, as per already MNSUAM approved rules/policy. If the course(s) studied by a candidate in his/her previous degree (on the basis of which admission is requested) does not provide adequate background for the degree program of study, he/she may be required to rectify the deficiency by taking additional course(s) as determined by the respective Departmental Board of Studies.\*
3. Candidates may be admitted at the beginning of each semester. If a candidate fails to complete enrolment, his/her admission shall stand cancelled. However, nominees of HEC, MNS-UAM, foreign countries and other Government organizations, may be admitted up to the end of each semester with the condition that they will enroll without taking any course. They will submit signed GS/10 forms (without any course). The semester enrolled, however, will be counted towards their residential requirements.
4. (i) A teacher/researcher of the MNS University of Agriculture, Multan (permanent, temporary, ad-hoc or on contract basis) will be considered for admission as part time student; will be allowed to enroll maximum of two courses and one seminar in a semester and with the payment of prescribed university dues. In case, he/she intends to take maximum credit hours allowed to a full time student then he/she will have to take leave from the University and pay full University dues.
- (ii) The administrative staff of the MNS University of Agriculture, Multan (permanent, temporary, ad-hoc or on contract basis) will be considered for admission as part time student only under Evening program; will be allowed to enroll maximum of two courses per semester with the payment of prescribed university dues. In case, he/she intends to take maximum credit hours allowed to a full time student, or intends to take courses under morning program then he/she will have to take leave from the University and will pay full university dues.
5. (i) The admission to a degree program shall be made by the Graduate Studies and Research Board/ Board of Advanced Studies and Research on the basis of merit list prepared and checked by the Director, Graduate Studies.
- (ii) Lists of selected candidates would be displayed by the Director Graduate Studies and if needed subsequent lists would be displayed till the last seat is filled up.  
**Explanation:** The last list would be displayed keeping in view that 75% attendance in lectures would not suffer.
- (iii) The Graduate Studies and Research Board/ Board of Advanced Studies and Research may refuse admission to a candidate without assigning any reason.  
**Explanation:** All those students who were awarded minor penalty of fine of Rs. 2000/- and above twice on account of their misconduct during the course of their undergraduate studies as the case may be, shall be debarred from admission to the next study program for a period of two years after completion of their respective degree. After two years, they may be considered for admission to the postgraduate degree on the recommendations of the Students Affairs Committee. In the same context, the students who were awarded a major penalty will be debarred for admission to a degree program for a period of three years.
6. They may be considered for admission after three years after completion of their respective degree, on the recommendations of Student's Affairs Committee.
- (i) A candidate admitted to a degree program shall have to enroll for each semester until submission of thesis.
- (ii) A student may discontinue enrolled semester before appearing in the final examination with the permission of the Vice Chancellor obtained through the Director Graduate Studies on the recommendations of the Dean on account of sickness duly certified by the University Medical Officer or due to circumstances beyond his/her control.
- (iii) The facility of discontinuation can be availed only once during whole degree program.
- (iv) A student so permitted to discontinue is required to resume his/her studies from next semester on the recommendations of Chairperson/Dean concerned and notified by the Director Graduate Studies.

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\*Approved by Syndicate in its 42<sup>nd</sup> meeting held on 14.12.2024.

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### STATUTES

- (v) A HEC fellowship awardees will be allowed to join a training program with the condition that his/her training would not disturb his/her enrolment in the University and will remain intact. On his/her returning and rejoining the University, he/she would have to meet the enrolment formalities (Ex-post-facto) of this period (the whole period of HEC Scholarship) and it would also be included in the period of residential requirements of the scholar under relevant statutes.
  7. (i) An application for enrolment on the prescribed form (GS/10), accompanied by proof of fee paid (bank receipt) shall be presented to the office of the Director Graduate Studies on the day(s) notified for enrolment.
  - (ii) The schedule of fees/dues payable by the candidates selected for admission shall be as prescribed. The Director Graduate Studies under special circumstances and on payment of a late fee prescribed for this purpose, may permit a student to enroll within ten days after the commencement of the classes.
  - (iii) The Vice Chancellor may allow a student to enroll till the last day of the 4th week after the commencement of classes under special circumstances, in individual cases and reasons to be recorded, with double late fee prescribed for this purpose.
  - (iv) Enrolment in absentia is not allowed. Student is required to be present in person with a proof of identification (University Identity Card or Computerized National Identity Card etc.) for enrolment.
  - (v) Enrolment will only be considered completed when GS/10 form is submitted to the office of the Director Graduate Studies. Only depositing of fee will not serve the purpose.
- Explanation** for GS-10 submission: Director Graduate Studies shall increase working days for fee submission alongwith fixing the dates for different departments by pooling them into two or three groups.
- A student shall submit his/her GS-10 form directly to Director Graduate Studies after completing all necessary requirements i.e. filling of GS-10, signing from the concerned teachers, supervisor, concerned Chairperson and Dean of the Faculty.
  - Chairpersons of the departments shall make/ensure presence of all teachers including visiting faculty (if any) during the allocated dates of fee submission for timely submission of GS-10 form. However, in case a teacher is not available due to unavoidable circumstances, the Chairperson may sign on GS-10 form on behalf of the teacher and in case of absence of Chairperson, Dean of the concerned Faculty shall be entitled to sign GS-10 form.
  - Advisor of each Department shall ensure that GS-10 form has been correctly filled.
  - Students who shall deposit their fee with single late fee or double late fee shall submit their GS-10 form during the prescribed dates\*.
8. (i) If a student fails to enroll in any semester without permission of the competent authority, he/she shall cease to be on the rolls of the University and in case he/she desires readmission, he/she shall have to apply for the same.
  - (ii) The Graduate Studies and Research Board/Board of Advanced Studies and Research may readmit such a candidate subject to payment of Rs.5000/- as readmission fee, full fee of semester(s) for the gap period, and 50% of full fee as per semester(s) gap fee. The period of gap semester(s) will also be counted toward(s) his/her residential period.
  - (iii) The GSRB may refuse readmission if the reason(s) presented are not convincing.
  - (iv) The Vice Chancellor may allow readmission in routine cases (i.e., cases involving cancellation of admission due to non-submission of fees for one semester) on the recommendation of the concerned supervisor and Chairperson/Director.<sup>4</sup>
  9. (a) The supervisory committee of a student for course work and research shall be proposed by the respective Board of Studies during 1st semester.
  - (b) Supervisory Committee shall consist of supervisor, co-supervisor (if any), experts from the field of research
- Note: if there one more than members in the committee, at least one member may preferable be from other department/discipline and must be relevant to the research work of the student.<sup>3</sup>

<sup>2</sup> Approved by Syndicate in its 22<sup>nd</sup> meeting held on 03-05-2019.

<sup>3</sup> Approved by the syndicate in its 42<sup>nd</sup> meeting held on 14-12-2024.

<sup>4</sup> Approved by the syndicate in its 44<sup>th</sup> meeting held on 03-10-2025



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The adjunct faculty member may act as supervisor. Faculty members of relevant disciplines from MNS UAM may be included as supervisor/member on the supervisory committee.

(c) Supervisor of the student will act as chairperson of the supervisory committee.

(d) Supervisory committee proposed by the respective Board of Studies and recommended by the Chairperson and Dean of the faculty concerned shall be approved by the Graduate Studies and Research Board/Board of Advanced Studies and Research and would be notified by the Director Graduate Studies.

(e) Supervisory committee may be revised according to the regulation (9-i (a to d) for the reasons of change to be recorded.

- (ii) In case, a student duly recommended by the Chairperson and Dean concerned to conduct his/her complete/part of thesis research in other institution/ laboratory, is allowed by the Director Graduate Studies. The helping scientist may be taken as Co-supervisor on the supervisory committee of the student.
  - (iii) The Professor Emeritus may act as supervisor/member of supervisory committee of postgraduate students if he/she is stationed at Multan.
  - (iv) Foreign faculty members, HEC National Professors/HEC eminent scientists may act as supervisor/member of the supervisory committee provided that they are appointed for three years.
  - (v) Retired teachers of the MNS University of Agriculture, Multan may continue as supervisor/member of the supervisory committee to their previous postgraduate students if they had supervised the students up to the approval of the synopsis. However, on re-employment for three years they may be given supervision of a new student.
  - (vi) Adhoc/contract teachers may act as supervisor/member of the supervisory committee only where there is shortage of regular faculty members. Faculty on Tenure Track System (TTS) will be considered as regular faculty for the subject purpose.
- 10.** A student may be permitted to revise his/her GS/10 form within 30 days from the commencement of classes. After this period he/she may be allowed to revise GS/10 form up to 37th day from the commencement of classes on payment of prescribed GS/10 revision fee.
- 11. (i)** The admission of a candidate to a degree program shall be provisional in the 1st instance and shall be confirmed only when he/she has qualified the deficiency course(s) if any as determined by the respective Board of Studies.
- (ii)** A regular student is required to qualify prerequisite deficiency course(s) during first academic year (Two regular semester + following summer).
- (iii)** In case, the prerequisite deficiency courses are less than or equal to 6 credit hours, then regular courses can also be enrolled by the student along with deficiency course(s) by observing the maximum limit of credit hours that is allowed per semester under the rule. Moreover, the student must qualify the deficiency course(s) in his/her first semester after admission otherwise his/her admission shall stand cancelled.
- Explanation:** The simple deficiency courses can be enrolled along with non-specialized courses on case to case basis as per recommendations of Board of Studies. However, the deficiency courses required as a pre-requisite before enrolment of any advance course must be passed before the enrollment of that particular advance course.
- 12.** All admissions secured by providing wrong information or concealment of relevant information or the admissions made in contravention of these regulations shall be void/liable to be cancelled at any stage.
- II Course of Study**
- 13.** All post-graduate courses will be designated as 700 numbers preceded by the suitable alphabets indicating the name of the respective department.

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14. (i) A full time student can enroll up to 12 credits hours in a semester and 9 credits hours during summer session. However, Graduate Studies and Research Board (GSRB)/Board of Advanced Studies and Research may relax enrolment up to 3 credits hours for a semester/summer session in special cases.  
(ii) Out of the total number of credits referred to the Statute 4(i), only one credit each shall be earned through Seminar and Special Problem.  
**Explanation:** Students who have irrelevant qualification can enroll up to 15 credits hours as deficiency courses in a semester to fulfill the requirement for the award of degree within the stipulated period.  
(iii) A course can be repeated three times (enrolled four times) at the most. The Controller of Examinations office will mention corresponding repetitions in the result notification and the student shall mention repetition status in the GS/10 form.  
(iv) The Graduate Studies and Research Board/Board of Advanced Studies and Research, may consider credits earned by a student at another HEC recognized institution, subject to a maximum of 50% of the minimum credit requirements for the degree, on the recommendations of Board of Studies/Equivalence Committee provided that the contents of the course(s) for which credit is claimed, are identical or similar to the course(s) included in his/her planned course work and the courses for which credit is claimed has not been used for another degree.  
(v) Students would submit their course work program proforma (GS/12) during first semester and Synopsis (GS/5) during second semester of their program of study. However, course work will be completed in minimum duration of three semesters.  
(vi) A course studied to qualify a degree will not be taken/considered for any other higher degree program.  
(vii) Deficiency courses once qualified will not lapse and shall not be called into question again and need not to be revalidated.
  15. No course shall carry more than 4 credits.
- ### **III EXAMINATION**
- #### **A. Examination Fee**
16. University examination fee shall be charged at the time of enrolment of each semester.
- #### **B. Tests and Examinations**
17. (i) There shall be two examinations mid and final in each semester. In addition to these examinations the teacher shall give home assignments and quizzes etc. to the students. The form of these examinations will be left to the teacher who will be solely responsible for the conduct of examination as well as evaluation in his/her course. The grade given in the course by the teacher shall be final but shall be discussed in the Board of Studies before submission of results.  
(ii) Only those students, who have at least 75% attendance in theory and practical separately in each course, shall be eligible to appear in the final examination.  
(iii) A teacher shall report to the Director Graduate Studies through Chairperson and recommended by the Dean, Name(s) of the student(s) who will remain absent (lecture/practical) continuously for a week without prior permission. Director Graduate Studies will cancel/strike off the admission of such students.  
(iv) Students may seek readmission with the permission of the Director Graduate Studies on the recommendations of the Chairperson and Dean within time line i.e. up to 75% attendance.
  18. The final examination for a semester shall be held on a date and time and place to be notified by the teacher in advance. To pass a deficiency/compulsory minor course(s) a student is required to obtain at least "C" grade and these course(s) once qualified will not lapse and shall not be called into question again and need not to be realidated .
  19. **To pass a deficiency/compulsory/minor course(s) a student is required to obtain at least "C" grade and these course(s) once qualified will not lapse and shall not be called into question again and need not to be revalidated.**
  20. The scripts of each examination shall be discussed with the students.

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21. (i) The mid-semester examination shall be held during 9th week of the semester which shall carry 30% of the total allocated marks for the course.  
**This examination shall be held by the teacher concerned who shall determine the form of the examination.**  
 (ii) For the purpose of evaluation, one credit will carry 20 marks e.g. a three credit hours course will carry 60 marks. These marks will be divided in accordance with the credits assigned to theory and practical for each course.  
 (iii) The following weight age shall be given to the examinations.  
 a) Mid-semester examination: 30%  
 (iv) b) Home assignments/quizzes: 10%  
 c) Final examination: 60%  
 Total: 100%  
 (Fraction in total marks of a course will be rounded to the nearest whole number)
22. To qualify a course it is essential to pass separately in the theory and practical examinations.
23. (i) The teacher shall send the final award list along with answer sheets of mid, final and practical examinations for the course to the office of the Controller of Examinations within 10 days after the end of a semester.  
 (ii) Graduate Studies and Research Board/ Board of Advanced Studies and Research may condone the delay in result submission up to one semester. A copy of the award list should also be sent to the office of the Chairperson and Director Graduate Studies.  
 (iii) In case of special problem and seminar "I"\* grade can be awarded in the semester. In case of continuation of special problem and seminar i.e. "I"\* grade, the students may complete the tasks within next semester without enrolment of the said course. If he/she fails to qualify the said course, he/she will be awarded "F" grade.
24. On receipt of the award lists, the Controller of Examinations shall notify the results and send copies to the Director Graduate Studies, Dean and the Chairpersons of the Departments concerned.

### C. Grade Point Average

25. Grade point and Equivalence between Letter grading and Numerical grading shall be as follow:

Grade	Value	Marks (%)	Remarks
A	4	80-100	Excellent
B	3	65-79	Good
C	2	50-84	Satisfactory
I	—	—	In-Progress
F	0	Below 50	Fail

26. If a student fails to obtain CGPA of 2.50 at the end of each academic year (winter, Spring and following summer) his/her admission shall stand cancelled. However, he/she may seek fresh admission but only once.  
**Note:** The student who avails option only one regular semester (winter/spring) must obtain GPA of 2.50 at the end of summer session of the same academic year to remain on roll.
27. A student, who obtains CGPA of 2.50 or more but less than 2.75 upon the completion of entire approved course work, may be allowed to repeat once the courses of the

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previous semesters in which he/she had obtained the lowest grades in order to improve the CGPA so as to obtain the minimum of 2.75 failing which he/she shall cease to be on the rolls.

28. CGPA of 2.75 out of 4.00 is required to qualify for the award of degree.

### **Thesis Examination**

29. (i) A student shall be entitled to submit thesis for examination after he/ she has qualified the approved courses work and has also fulfilled the residential requirements. He/she is required to submit E-30 form and thesis examination fee before the submission of semi-final thesis.  
(ii) The thesis shall be prepared according to the guidelines devised by the each Department and approved by the Graduate Studies and research board  
(iii) The thesis duly certified by the Supervisory Committee shall be sent to the external examiner by the office of the Controller of Examinations (CE) for evaluation. A panel of five examiners per student from the list of examiners approved by the Board of Advanced Studies and Research shall be submitted to the CE office by the Chairperson of the respective Board of Studies on or before the submission of thesis.
30. The thesis shall be evaluated by a Board of Examiners comprising members of the supervisory committee and one external examiner appointed by the Vice Chancellor from the panel of examiner recommended by the Board of Studies. At least three members of the Boards of Examiners of whom one must be an external examiner shall for the purpose of evaluating the thesis, hold a viva voce examination and such other tests as they consider necessary. The external examiner shall be given reasonable time to go through the contents of the thesis critically. The viva voce examination would be conducted at least after one week of the receipt of thesis by the external examiner.
31. The thesis shall be evaluated by the Board of Examiners according to the following numerical and letter grades:  
(i) There shall be 120 marks corresponding to 6 credit hours allocated for thesis and these may be divided as under:  
(a) Twenty five percent marks will be reserved for the evaluation of technical knowledge of the topic as well as general knowledge about the subject of the degree program.  
(b) Fifty percent marks will be reserved for the subject matter of the thesis such as the originality and justification of research, quality of data, interpretation of data, conclusions drawn and achievements of the objectives of the research.  
(c) Twenty five percent marks will be reserved for technical aspects of presentation such as consistency, illustration, diagrams, references, English grammar, vocabulary and quality of typing.  
(ii) Total marks so awarded will be converted into a letter grade as prescribed in regulation No. 25 and average grades on the basis of course work and thesis will then be worked out to calculate the final CGPA.  
(iii) The thesis evaluation will be conducted within six months from the date of submission of thesis in the office of Controller of Examinations, failing which student will be declared/assumed fail in the thesis examination and shall be notified by the office of Controller of Examination. Under unavoidable circumstances the thesis examination may be conducted through video conference arrangement. However, the Vice Chancellor may allow extension for thesis evaluation up to six months in hardship cases.  
Supervisor after consultation with external examiner shall notify the date, time and venue of thesis evaluation.  
(iv) The supervisor shall send the award list of thesis examination to the office of the Controller of Examinations after making sure that the  
(v) student has incorporated the suggested improvements. The Controller of Examinations shall notify the result of the student after receiving two bound copies of thesis

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to be submitted by the student within six months after evaluation otherwise, his/her admission shall stand cancel.

32. In case of disagreement between the Supervisory Committee and the External Examiner regarding the acceptance of the thesis, it shall be referred to another external examiner whose decision shall be final.
33. If a candidate fails in the thesis examination, he/she may enroll again and will submit a revised thesis within six months after the date of declaration of the result of the last thesis examination, on payment of the prescribed thesis examination fee. He/she can avail this chance only once.
34. If the thesis, submitted by a candidate for final evaluation, is proved to be copied/plagiarized at the time of viva-voce examination, it will be liable to be rejected on the report of Board of Examiners and the Controller of Examinations will declare the candidate fail in thesis examination. The admission of such candidate shall be cancelled and he/she shall not be readmitted under any circumstances.
35. (a) If the thesis of a candidate is proved to be plagiarized after its evaluation and declaration of result, previous result of the candidate will be cancelled and he/she will be declared failed in thesis examination, such a candidate shall not be readmitted to M.Sc. (Hons.)/M.Phil/MS under any circumstances.  
(b) The student shall submit two copies of hard bound final thesis and his/her supervisor will provide soft copy of the thesis to the Controller of Examinations Office through his/her official e-mail for declaration of final result.  
(c) Director Graduate Studies is empowered to extend the date of final submission of the theses by two weeks of those students who get their semi-final theses approved/scrutinized by the Directorate of Graduate Studies on the prescribed date. However, Vice Chancellor may extend the submission date further of final theses for another period of three weeks maximum on the request of postgraduate students duly recommended by the Chairperson/Dean and Director Graduate Studies.
36. **GENERAL REGULATIONS**
37. Every candidate and his/her parents/guardian shall at the time of admission give an affidavit/undertaking, that he/she shall not indulge in politics, failing which (s)he shall not be allowed admission. In the event of violation of such an undertaking after admission, he/she shall be expelled from the Institution without notice.
38. The students who will enroll 7th and 8th semesters will have to pay additional fee of 50% and 100%, respectively over and above the regular fee.<sup>2</sup>
39. The students who enroll extra semesters beyond their residential requirement to submit final thesis will not be allowed hostel accommodation.
40. Office of the Controller of Examinations shall keep scripts of student's examinations for one semester.
41. Student of M.Sc (Hons)/MS/MPhil/MBA shall submit his/her synopsis within first two semesters, after this Rs 2000/- will be fined at the enrolment of each semester until he/she submits the synopsis.<sup>3</sup>
42. The office of Treasurer will maintain separate accounts of fee for extra semesters/repeating courses.  
For minor change(s) in the title of synopsis/thesis a letter from the supervisory committee of the student will serve the purpose.
43. However, the change(s) in the synopsis/thesis etc. will be notified by the office of the Director Graduate Studies.
44. [For minor and major changes in the GS/110 form, the same will be notified by the office of the Director Graduate Studies.]  
For the award of M.Sc. (Hons.)/M.Phil./MS degree, proof for submission of one research paper in HEC recognized journal will be compulsory. \*

**Note:** Any addition/alteration in the Postgraduate Statutes and Regulations received from HEC from time to time will become part of these statutes and regulations with the approval of the statutory bodies of the University.

\* Approved by Syndicate in its 31<sup>st</sup> meeting held on 10-10-2021.

<sup>2</sup> Approved by Syndicate in its 42<sup>nd</sup> meeting held on 14-12-2024.

<sup>3</sup> Approved by Syndicate in its 42<sup>nd</sup> meeting held on 14-12-2024.



## Statutes and Regulations Relating to the Degree of Doctor of Philosophy (PhD) in Full and Partial Residence

### I. STATUTES

#### Duration and Requirements of Degree Program

1. (i) (a) The duration for the degree of PhD shall not be less than eight (8) and more than sixteen (16) regular semesters.<sup>1</sup>  
 (b) The completion date of PhD degree shall be reckoned with the date of notification of the award of PhD degree.  
 (c) The maximum duration shall be determined from the date of student enrollment un-till the date of the completion notification of the PhD degree.  
 In case a student is unable to secure a PhD degree within the prescribed timeframe and claims for extension in duration his/her case shall be brought to BASR to determine the causes for delay. In event of force majeure i.e., delay on account of circumstance beyond the control of student, the university may grant an extension in the period of award of PhD degree in accordance with the duration limiting factor(s) and shall also take corrective measures in case the delay is caused due to process or administrative reasons.
- (ii) (a) If the employee of the government/other agencies gets NOC and study leave (where applicable) from his/her department/competent authority, he/she will be allowed to get admission as regular student and pursue his/her studies in PhD degree programs. However, administrative staff of the university working in non-teaching departments may take admission in PhD Programs as part time student.
- (iii) The supervisors of PhD students shall submit a report with regard to each PhD student showing general progress particularly in research, such report shall be submitted on prescribed form (GS/13) after each semester to the Graduate Studies and Research Board/ Board of Advanced Studies and Research through the Chairperson of the Department and Dean concerned.
- (iv) The medium of instruction and examination shall be English.  
 There shall be 2 semesters (Winter and Spring) of 19 weeks each and a summer session of 8 to 10 weeks in each academic year.
2. (i) The commencement of semesters shall be regulated by the Academic Council.  
**Explanation:** Out of 19 weeks, 16 weeks shall be actual teaching time; the rest may be utilized for enrolment, conduct of examinations and declaration of results, etc.
- (ii) (a) Summer session shall be optional. Students, who desire to take deficiency/compulsory minor courses/audit courses as approved in their course work programs. They may enroll failed courses and the courses in which they are allowed to improve grades under the rules, during this session. It shall not count towards residential requirements.  
 (b) In Summer session double classes will be held to compensate the normal study hours of a regular semester and 75% attendance in theory and practical separately for each course, shall be observed.
3. The subjects of study for the degree programs are given in schedule-II which may be amended from time to time. A student shall present an acceptable thesis in addition to completing his/her approved course work and comprehensive examination in order to qualify for the award of the degree.
4. A student admitted to the degree program shall be required to undertake the following :
  - (i) He/she shall take minimum 18 credit hours of course work followed by comprehensive examination. He/she will have to defend PhD synopsis and thesis at University level. Deficiency/compulsory minor/audit course(s) shall not be counted toward the minimum credit hours requirement.
  - (ii) The credit hours in the course work shall be two third from the major and one third from the minor field(s) of study. The minor field(s) of study may be one or two but shall not exceed three.  
**Explanation:** The ratio of major and minor courses would be 2:1 and shall not apply to credits taken over and above the minimum requirement of 18 credits.  
**Example:** The number of minimum credits under major and minor courses will be 12 and 6.
  - (iii) The following courses shall be compulsory:

<sup>1</sup> Approved by Syndicate in its 22nd meeting held on 03.05.2019.

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- a) Courses Stat-703 (Design and Analysis of Experiments for Researchers) for students of Faculty of Agriculture and Environmental Sciences.
- b) Course Biochem-701 (Advanced Plant Biochemistry) shall be compulsory minor course except those who have already taken equivalent course(s) from other HEC recognized institutes.
- c) Courses taken as compulsory minor shall not be counted toward minor fields required under Statute 4(ii) but will be counted in GPA/CGPA.

## II. REGULATIONS

### 1. Admission to the Course

- (i) (a) A candidate seeking admission to the degree shall have:  
passed MSc (Hons)/MPhil/MS/ equivalent degree (18 years of schooling) on the basis of which admission is requested.  
(b) Minimum CGPA of 3.0 (out of 4.0 in the semester system) or 60% (in the annual system) in the MSc (Hons)/ MS / MPhil / equivalent degree is required, whether such degree was obtained from Pakistani or foreign universities.  
(c) If the CGPA/Percentage is not mentioned on the transcript, the candidate shall have to produce equivalent weightage from the parent university. Qualified GRE/HAT General, conducted by testing bodies accredited by HEC, with a passing score of 60%. Or GRE (Subject) test with minimum 70% marks conducted by University.  
(d) Submission of Research proposal

**Note:** The case of each applicant shall be sent to the respective department. BOS of each department will evaluate each candidate(s) based on the approved criteria and recommend the successful candidate(s). DGS shall display the list of the recommended candidates on the notice board as well as the university website.

- (ii) Has a domicile of the Punjab Province. Candidate with domicile other than the Punjab province has to produce a nomination letter from his/her respective provincial government against reserved seats if any.
- (iii) Lists of selected candidates will be displayed only on the Notice Board of each Teaching Department and the University Website. No candidate will be informed individually about his/her selection for admission/withdrawal or cancellation of admission in a degree program.  
produce at the time of the first enrolment, a certificate from Medical Officer to the effect that he/she is free from any communicable
- (iv) (contagious) disease or mental or physical disability which is likely to stand in the way of his/her pursuing the chosen field of study.  
Only those medical certificates shall be accepted which have been issued by the University Medical Officers or authority designated by the university itself.  
Amount in lieu of medical certificate will be charged as per rules.
- 2. The intra-disciplinary admissions will be allowed, as per existing policy of MNSUAM If the course(s) studied by a candidate in his /her previous degree (on the basis of which admission is requested) does not provide adequate background for the degree program of study, he/she may be required to rectify the deficiency by taking additional course(s) as determined by the respective Departmental Board of Studies <sup>1</sup>.
- 3. Candidates may be admitted at the beginning of each semester. If a candidate fails to complete enrollment, his/her admission shall stand cancelled. However, nominees of HEC, MNS UAM, foreign countries and other Government organizations, may be admitted up to the end of each semester with the condition that they will enroll without taking any course. They will submit signed GS/10 forms (without any course). The semester enrolled, however, will be counted towards their residential requirement.
- 4. (i) A teacher/researcher of the MNS University of Agriculture, Multan (permanent, temporary, adhoc or on contract basis) will be considered for admission to PhD as part time student; will be allowed to enroll maximum of two courses and one seminar in a semester with the payment of prescribed university dues. In case, he/she intends to take maximum credit hours allowed to a full time student then he/she will have to take leave from the University and pay full University dues.  
(ii) The administrative staff (permanent, temporary, adhoc or on contract basis) of the MNS University of Agriculture, Multan will be treated at par for admission to various degree programs. He/She will have to take leave from the University and pay full University dues.

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<sup>1</sup> Approved by Syndicate in its 22nd meeting held on 03.05.2019.

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5. (i) The admission to a degree program shall be made by the Graduate Studies and Research Board/ Board of Advanced Studies and Research on the basis of merit list prepared and checked by the Director Graduate Studies.
- (ii) Lists of selected candidates would be displayed by the Director Graduate Studies and if needed subsequent lists would be displayed till the last seat is filled up.  
**Explanation:**  
 The last list would be displayed keeping in view that 75% attendance in lectures would not suffer.
- (iii) The Graduate Studies and Research Board/ Board of Advanced Studies and Research may refuse admission to a candidate without assigning any reason.  
**Explanation:**  
 All those students who were awarded minor penalty of fine of Rs. 2000/- and above twice on account of their misconduct during the course of their postgraduate studies as the case may be, shall be debarred from admission to the next study program for a period of two years after completion of their respective degree. After two years, they may be considered for admission to the postgraduate degree on the recommendations of the Students Affairs Committee. In the same context, the students who were awarded a major penalty will be debarred for admission to a degree program for a period of three years. They may be considered for admission after three years after completion of their respective degree, on the recommendations of Students Affairs Committee.
6. (i) A candidate admitted to a degree program shall have to enroll for each semester until submission of thesis.
- (ii) A student may discontinue enrolled semester before appearing in the final examination with the permission of the Vice Chancellor obtained through the Director Graduate Studies on the recommendations of the Dean concerned, because of sickness duly certified by the University Medical Officer or due to circumstances beyond his/her control.
- (iii) A student so permitted to discontinue is required to resume his/her studies from next semester on the recommendations of Chairperson and Dean concerned and notified by the Director Graduate Studies.
- (iv) (a) A fellowship awardee (HEC/Non HEC) will join a training program without discontinuation. On his/her return he/she would have to meet the enrolment formalities (Ex-post facto) of the training period. The training period however, will be counted towards residential period and the trainee will not claim for appreciation letter and cash prize.  
 (b) The name of the foreign scientists under whom the student completed his/her foreign training program will not be included in the panel of examiners for PhD thesis evaluation.
7. (i) An application for enrollment on the prescribed form (GS/10), accompanied by proof of fee paid (bank receipt) shall be presented to the office of the Director Graduate Studies on the day(s) notified for enrolment.
- (ii) The Director Graduate Studies under special circumstances and on payment of late fee prescribed for this purpose, may permit a student to enroll within ten days after the commencement of the classes.
- (iii) The Vice Chancellor may allow a student to enroll till the last day of the 4th week after the commencement of classes under special circumstances, in individual cases and reasons to be recorded, with double late fee prescribed for this purpose.
- (iv) Enrolment in absentia is not allowed. Student is required to be present in person with a proof of identification (University Identity Card or Computerized National Identity Card etc.) for enrolment.
- (v) Enrolment will only be considered completed when GS/10 form is submitted to the office of the Director Graduate Studies. Only depositing of fee will not serve the purpose.  
 • **Explanation for GS-10 submission:**  
 Director Graduate Studies shall increase working days for fee submission along with fixing the dates for different departments by Pooling them into two or three groups: A student shall submit his/her GS-10 form directly to Director Graduate Studies after completing all necessary requirements i.e. filing of GS-10, signing from the concerned teachers, supervisor, concerned Chairperson and Dean of the Faculty.

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Chairpersons of the departments shall make/ensure presence of all teachers including visiting faculty (if any) during the allocated dates of fee submission for timely submission of GS-10 form. However, in case a teacher is not available due to unavoidable circumstances, the Chairperson may sign on GS-10 form on behalf of the teacher and in case of absence of Chairperson, Dean of the concerned Faculty shall be entitled to sign GS-10 form.

Advisor of each Department shall ensure that GS-10 form has been correctly filled. Students who shall deposit their fee with single late fee or double late fee shall submit their GS-10 form during the prescribed dates.

8. (i) If a student fails to enroll in any semester without permission of the competent authority, he/she shall cease to be on the rolls of the University and in case he/she desires readmission, he/she shall have to apply for the same.
  - (ii) The Graduate Studies and Research Board/Board of Advanced Studies and Research may readmit such a candidate subject to payment of Rs. 5000/- as readmission, full fee of semester(s) for the gap period, and 50% of full fee as per semester(s) gap fee. The period of gap semester(s) will also be counted toward(s) his/her residential period.
  - (iii) The GSRB/BASR may refuse readmission if the reasons presented are not convincing.
  - (iv) The Vice Chancellor may allow readmission in routine cases (i.e., cases involving cancellation of admission due to non-submission of fees for one semester) on the recommendation of the concerned supervisor and Chairperson/Director.<sup>6</sup>
9. (i) (a) The supervisory committee of a student for course work and research shall be proposed by the respective Board of Studies during 1st semester.
  - (b) Supervisory Committee shall consist of the following members;
    - i. Supervisor (Convener)
    - ii. Co-supervisor (if any) Member
    - iii. Expert(s) from the field of research (Member)

**Note**<sup>5</sup>: • If there are more than two members in the committee, at least one members may preferably be from any other department/discipline and must be relevant to the research work of PhD candidate.

  - The adjunct faculty member may act as Supervisor. Faculty members of relevant disciplines from MNS-UAM may be included as supervisor/member on the supervisory committee.
  - (c) Supervisor of the student will act as chairperson of the supervisory committee.
  - (d) Supervisory committee proposed by the respective Board of Studies and recommended by the Chairperson and Dean of the faculty concerned shall be approved by the Graduate Studies and Research Board/Board of Advanced Studies and Research and would be notified by the Director Graduate Studies.
  - (e) Supervisory committee may be revised according to the regulation 9 (i) (a to d) for the reasons of change to be recorded.
- (ii) In case, a student duly recommended by the Chairperson and Dean concerned to conduct his/her complete/part of thesis research in other institution/laboratory, is allowed by the Director Graduate Studies, he/she can be permitted to conduct his/her research.
- (iii) The Professor Emeritus may act as supervisor/member of supervisory committee if he/she is stationed at Multan.
- (iv) Foreign faculty members, HEC National Professors/HEC eminent scientists may be taken as Co-supervisor on the supervisory committee provided that they are appointed for three years.
- (v) Retired teachers of the MNS University of Agriculture, Multan may continue as supervisor/member of the supervisory committee to their previous postgraduate students if they had supervised the students up to the approval of the synopsis. However, on re-employment for three years they may be given supervision of a new student.
- (vi) Adhoc/contract teachers may act as supervisor/member of the supervisory committee only where there is a shortage of regular faculty members. Faculty on Tenure Track System (TTS) will be considered as regular faculty for the subject purpose.

<sup>4</sup> Approved by Syndicate in its 22<sup>nd</sup> meeting held on 03-05-2019.

<sup>5</sup> Approved by Syndicate in its 42<sup>nd</sup> meeting held on 14-12-2024.

<sup>6</sup> Approved by Syndicate in its 44<sup>th</sup> Meeting held on 3-10-2025



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10. A student may be permitted to revise his/her GS/10 form within 30 days from the commencement of classes. After this period he/she may be allowed to revise GS/10 form up to 37th day from the commencement of classes on the payment of prescribed GS/10 revision fee.
- 11.(i) The admission of a candidate to a degree program shall be provisional in the 1st instance and shall be confirmed only when he/she has qualified the deficiency course(s) if any as determined by the respective Board of Studies.  
(ii) A regular student is required to qualify prerequisite deficiency courses(s) during first academic year (Two regular semesters + summer session). This period will not be counted towards his/her residential period and shall be considered as zero semester(s). If he/she fails to qualify the same during prescribed period his/her admission shall stand cancelled.<sup>1</sup>  
**Explanation:** Result of zero semester shall not be reflected in transcript. However, controller of examination shall notify the result of zero semester(s)<sup>1</sup>.  
**Course of Study**
12. All post-graduate courses will be designated as 700 numbers preceded by the suitable alphabets representing the name of the respective department. However, respective Board of Studies will identify 1-2 core courses for PhD students only<sup>2</sup>.
- 13.(i) A full time student can enroll up to 12 credit hours in a semester and 9 credit hours during summer session. However, Graduate Studies and Research Board/Board of Advanced Studies and Research may relax enrollment up to 3 credit hours for a semester/summer session in special cases\*.  
(ii) Out of the total number of credit hours referred to Statute 4(i), only two credit hours shall be earned through seminar and one through special problem. Out of these two seminars, 1st seminar should relate to the review, whereas, 2nd seminar will be delivered at the time of preparation of synopsis, at university level. The seminar will be taken in alternate semester.  
(iii) A course can be repeated three times (enrolled four times) at the most. The Controller of Examinations office will mention corresponding repetitions in the result notification and the student shall mention reported repetition status in the GS/10 form.  
(iv) HEC's policy guidelines for the implementation of a uniform semester system shall also apply to level 8 programs regarding the credit transfer of coursework between universities. The policy stipulates that credits are transferred on a course-to-course basis; specifically, an individual enrolled in course A at university X may transfer credits to university Y, provided that course A is deemed equivalent to course B offered at university Y. No credit hours for a course will be transferred if the grade is below a B. Credit hours may solely be transferred between accredited HEC-approved higher education institutions and internationally recognized universities. Furthermore, the departmental board of studies will decide whether to accept or deny courses for credit transfer after evaluating the approved content at MNSUAM in contrast. The departmental board of study will determine whether to accept or reject research conducted at a prior university. The BoS may approve the transfer of a maximum of 50% of the required course credits for the degree program, provided that the courses for which credit is claimed have not been used to fulfil the requirements of another degree program.<sup>3</sup>  
(v) Students would submit their course work program (GS/12) during first semester and synopsis (GS/5) during third semester of their program of study.  
(vi) A course studied to qualify a degree will not be taken/considered for any other higher degree program.
14. No course shall carry more than 4 credit hours.
15. Credit earned for a course shall lapse on the expiry of five years for regular students and seven years for part time students from the end of the semester in which the course was qualified. Credits earned, will not lapse after qualifying the comprehensive examinations (written and oral). Graduate Studies and Research Board/Board of Advanced Studies and Research, however, revitalize the lapsed course(s) if special reasons to be recorded.  
**Explanation:** Deficiency course(s) once qualified will not lapse and shall not be called into question again and need not to be revalidated.  
**Examinations**  
**A. Examination Fee**
16. University examination fee shall be charged at the time of enrollment of each semester.  
**B. Tests and Examinations**
- 17.(i) There shall be two examinations, mid and final, in each semester. In addition to these examinations the teacher shall give home assignments and quizzes etc.

\* BASR in its 5th meeting held on 15-01-2019 has delegated its power to relax enrollment upto 3 credit hours as follows:

(a) Director Graduate Studies may relax one extra credit hour.

(b) Vice Chancellor may relax two extra credit hours.

<sup>1,2&3</sup> Approved by Syndicate in its 42<sup>nd</sup> meeting held on 14-12-2024.



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to the students. The form of these examinations will be left to the teacher who will be solely responsible for the conduct of examination as well as evaluation in his/her course. The grade given in the course by the teacher shall be final but shall be discussed in the Board of Studies before submission of results.

- (ii) Only those students, who have at least 75% attendance in theory and practical separately in each course, shall be eligible to appear in the final examination.
- (iii) A teacher shall report to the Director Graduate Studies through the Chairperson and recommended by the Dean, names of the students who will remain absent (lecture/practical) continuously for a week without prior permission. Director Graduate Studies will cancel/strike off the admission of such students.
- (iv) Students may seek readmission with the permission of the Director Graduate Studies on the recommendations of the Chairperson and Dean within time line, i.e. up to 75% attendance.
- 18. The final examination for semester shall be held on a date and time and place to be notified by the teacher in advance.
- 19. (i) To pass deficiency course(s) a student is required to obtain at least "B" grade.  
(ii) To pass compulsory minor course(s) a student is required to obtain at least "C" grade.
- 20. The scripts of each examination shall be discussed with the students.
- 21. (i) The mid-semester examination shall be held during 9th week of the semester which shall carry 30% of the total allocated marks for the course. This examination shall be held by the teacher concerned who shall determine the form of the examination.  
(ii) For the purpose of evaluation, one credit will carry 20 Marks, e.g. course with 3 credit hours will carry 60 marks. These marks will be divided in accordance with the credits assigned to theory and practical for each course.  
(iii) The following weightage shall be given to the examinations.
 

a) Mid-semester examination :	30%
b) Home assignments/quizzes :	10%
c) Final examination :	60%
Total :	100%

 (Fractions in total marks of a course will be rounded to the nearest whole number).
- 22. To qualify a course it is essential to pass separately in the theory and practical examinations.
  - (i) The teacher shall send the final award list along with answer sheets of mid, final and practical for the course to the office of the Controller of Examinations within 10 days after the end of a semester. Graduate Studies and Research Board/Board of Advanced Studies and Research may condone the delay in result submission up to one semester. A copy of the award list will be sent to the office of the Chairperson/Director/Director Graduate Studies.
  - (ii) In case of special problem and seminar "I" grade can be awarded in the semester. In case of continuation of special problem and seminar i.e. "I" grade, the students may complete the tasks within next semester without enrolment of the said course. If he/she fails to qualify the said course, he/she will be awarded "F" grade.
- 23. On receipt of the award lists, the Controller of Examinations shall notify the results and send copies to the Director Graduate Studies, Dean and the Chairpersons of the Departments concerned.

## C. Grade Point Average

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24. Grade point and equivalence between letter grading and numerical grading shall be as follow:

Grade	Value	Marks (%)	Remarks
A	4	80-100	Excellent
B	3	65-79	Good
C	2	50-64	Satisfactory
I	-	-	In-Progress
F	0	Below 50	Fail

25. If a student fails to obtain CGPA of 3.00 at the end of each academic year (winter, spring and following summer) his/her admission shall stand cancelled. However, he/she may seek fresh admission but only once.  
Note: The student who avails only one regular semester (winter/spring) must obtain GPA of 3.00 at the end of summer session of the same academic year to remain on roll.

### Comprehensive Examination

26. (i) Following the completion of coursework, every PhD student shall be required to pass the comprehensive examination to be granted candidacy as a PhD researcher, with the provision that the student failing to pass the comprehensive exam, shall be allowed to retake the exam once.  
(ii) The required coursework, comprehensive exam (both written and oral), and defense of synopsis/research proposals should be completed within the first six semesters of the registration into a PhD program. In case of non-compliance, the registration shall be cancelled and transcripts for completion of coursework may be issued to the student. The committee proposed the following comprehensive exam schedule.  
(iii) Comprehensive exam shall be conducted three times a year in the months of April, August, and December of each year. After successful completion of comprehensive written part, student will appear for comprehensive oral examination within six weeks, in an otherwise situation, the chairperson of the committee will get approval from the competent authority for extension in duration. Seminal-II will no longer be part of the scheme of studies. However, synopsis defense will be dealt separately.<sup>1</sup>  
(iv) In an event of force majeure i.e., noncompliance on account of circumstances beyond the control of student, the university may consider the matter as per following detail.  
In case a student is unable to secure a PhD degree within the prescribed timeframe and claims for extension in duration, the university may constitute appropriate authority and determine the causes for delay. In event of force majeure i.e., delay on account of circumstance beyond the control of student, the university (BASR) may grant an extension in the period of award of PhD degree in accordance with the duration limiting factor(s) and shall also take corrective measures in case the delay is caused due to process or administrative reasons.

**Explanation:** The comprehensive examination shall be arranged within 10 weeks while the date and venue of examination shall be notified within first week of the termination of each regular semester. A student will have to apply for comprehensive examination on the prescribed form (E-30) at least four weeks before the examination. If a student does not apply within the specified period or does not appear in the examination, he/she will be deemed to have availed one chance and failed to qualify in the first attempt.

27. The comprehensive examination will cover both major and minor fields of study and will consist of a written part followed by an oral part. It will be designed to ascertain whether the student has attained the breadth of knowledge and the intellectual maturity necessary to become a successful scholar in his/her chosen discipline. It will not be a mere re-examination of previous courses but will test the students' ability to integrate and assimilate the knowledge obtained from the courses, seminars and independent studies.
28. A student has to apply on the prescribed form (E-30) for comprehensive examination to the office of the Director Graduate Studies (for 1st and 2nd attempts) under Regulations In case the student does not apply/appear in the examination, his/her chance will lapse.
29. If a student does not qualify either written or oral part of the comprehensive examinations, he/she shall be eligible to appear in the fail part again but only once and within two semesters from the date of the declaration of the results of the examinations.
30. A student who has passed the comprehensive examination shall be deemed to have become a candidate for admission to PhD degree.

## **I Comprehensive Examination - Written Part**

31. The Controller of Examinations shall, with the approval of the Vice Chancellor, notify the date, time and venue of the examination within first week of the termination of each regular semester and at least two weeks before the commencement of the examination.
32. Examiners for the written comprehensive examination shall be appointed by the Vice Chancellor, processed through Controller of Examinations office from a panel of examiners (three for each paper) proposed by respective Board of Studies. The number of papers shall be three (two in major and one in minor fields).
33. Each member shall, within seven days after the receipt of the answer books, return them duly marked to the Controller of Examinations along with the award list.
34. (i) To pass the written examination a student must secure 65% marks in each paper separately.  
If a student fails in two or more papers, he/she will be re-examined in all the papers. In case a student fails in one paper, he/she can reappear  
(ii) only in the failed paper but only once within two semesters.

## **II Comprehensive Examination - Oral Part**

35. A student shall be eligible to appear in oral part after qualifying the written part. The Controller of Examinations shall in consultation with the Chairperson, Boards of Examiner, notify the date, time and venue for the oral comprehensive examination through video conference within four months after the date of declaration of the result of the written comprehensive examinations.
36. For oral comprehensive examinations, the Board of Examiners will comprise of: (i) Three Examiners of written part (ii) Dean of the Faculty (iii) two members appointed by the Vice Chancellor (VC nominees) amongst the University teachers. Chairperson of the Board of Examiners for oral examination will be appointed by the Vice Chancellor.  
The duration of oral comprehensive examination will be three hours. It will be held in the video conference room and all proceedings of the examination will be recorded.
37. The Chairperson of the Board of Examiners shall be responsible for the conduct of oral examination and shall determine the order in which each member of the Board shall put questions to the student. The members shall be free to ask any number of questions.
38. At the conclusion of the oral examination, each member shall separately grade the student and the Chairperson of the Board of Examiners shall forward the award lists to the Controller of Examinations.
39. To pass the oral examination a student must secure 65% marks. During the conduct of oral comprehensive examination if consensus emerges that the student has qualified except one examiner, the student will be considered 'qualified'.  
If a student fails to qualify oral examination he/she will be re-examined only once within six months after the declaration of oral examination result.

### **Thesis Examination**

40. A candidate who has passed the comprehensive examination shall be allowed to submit thesis after plagiarism test. The thesis duly certified by the supervisory committee that the contents and form of the thesis are satisfactory for submission shall be sent to the external examiners by the office of the Controller of Examinations for evaluation.  
The PhD dissertation must be evaluated by:
  - (a) At least two external examiners out of 12 panel experts from the list recommended by the respective board of studies shall be appointed by the Vice chancers for evaluation. The external experts should be:
    - (i) PhD experts from the world top 500 universities ranked by the Times Higher Education or QS World Ranking in the year corresponding to dissertation evaluation year. OR
    - (ii) Pakistan-based Distinguished National Professors, Meritorious Professor, Emeritus Professors; from any national university or any Professor from top ranked universities by HEC; OR  
Professor from any Pakistani University having minimum H-Index 30 for sciences, 15 for social science or 8 for Art & Humanities as determined by Web of Science. OR

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(b) At least one external expert qualifying any one of the conditions mentioned at 'a' above if the PhD candidate publishes dissertation research in a peer-reviewed journal that is classified by the HEC in category W for Sciences and X or above for Social Sciences.<sup>1</sup>

(iii) (a) Under no circumstances shall a dissertation based on plagiarized research be acceptable. It is the primary responsibility of both PhD researchers and their supervisors to prevent plagiarism. To avoid plagiarism, it is important to follow the provisions outlined in GEP-2023.

(b) For plagiarism COPE guidelines must be followed.

(c) if a PhD dissertation is found to be plagiarized, it will be handled in accordance with the Anti-Plagiarism Policy issued by the Higher Education Commission, Pakistan, as updated from time to time.

(d) A similarity test, in accordance with the HEC's Anti-Plagiarism Policy, must be conducted on the dissertation before its submission to the external experts by the student.

(e) After positive evaluation of thesis from foreign experts, to the candidate defend thesis at university level. This will be broadcasted through video conferencing and recorded. (Recording).

In general, the following minimum principles and guidelines shall be ensured.

i. Public Announcement: On the university website and other forums of Communication (News Bulletin), so that anyone interested can participate.

ii. Public Access: Within or outside the university.

iii. Neutral Chair: (\*Relevant Dean) To ensure that defense was conducted fairly and in accordance with the rules and regulations.

iv. \*\*Review Committee: To evaluate the dissertation and defense.

v. Presentation: of the dissertation by the PhD researcher

vi. Question and Answer Session: To provide a basis for defense evaluation.

vii. Objective Evaluation: based on the quality of the research and the researcher's ability to defend.

viii. Final Decision: expressed in the following terms:

- Pass or
- Pass with minor amendments or
- Deferred for resubmission and re-defense or.
- Fail (in exceptional circumstances and for the reasons to be recorded by the defense committee)

Explanation:

\*if relevant Dean is also a member of supervisory committee, then he/she can nominate another senior professor from the faculty.

\*\*review committee will announce the final decision of defense after mutual discussion and will be notified by the DGS.<sup>7</sup>

The thesis should be relevant to the title and scope of the degree.<sup>7</sup>

- 41.(i) A student shall be entitled to submit thesis for examination after he/she has qualified the approved course work, qualified the comprehensive examination (written and oral) and has also fulfilled the residential requirements. He/she is required to submit E-30 form and thesis examination fee before the submission of semi-final thesis.
- (ii) The thesis shall be prepared according to the guidelines approved by BASR.\*
- (iii) The Controller of Examinations shall get the thesis evaluated within four months after the date of submission/resubmission of thesis to his office. Any delay beyond three months must be brought to the notice of the Vice Chancellor.

<sup>6</sup>Approved by Syndicate in its 22nd meeting held on 03.05.2019.

\*BASR approved guidelines in its 15<sup>th</sup> meeting held on 21-3-2023.

<sup>7,8</sup> Approved by Syndicate in its 42<sup>nd</sup> meeting held on 14-12-2024.

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42. The research area of the PhD researcher must:
  - (i) Corresponds to the community needs at regional and local levels and complies with the priority national research agenda.
  - (ii) Reflect the basic and pure research.
  - (iii) Signifies emerging areas of research that coincide with sustainable development goals (SGDs)<sup>1</sup>
43. (i) Whether or not the thesis is of sufficient merit to justify the award of Ph.D Degree to the candidate.  
(ii) Whether the candidate should be allowed to revise and re-submit his/her thesis. In the later case the broad lines on which the thesis should be revised must be clearly stated.
44. If both the examiners approve the thesis, the candidate shall be recommended for the award of the degree.  
**Explanation:**
  - (i) A PhD candidate shall submit three copies of his/her PhD thesis for evaluation.
  - (ii) A Summary be added showing annotated replied as also verified by the concerned Chairperson.
  - (iii) The PhD thesis will be placed in the office of the Chairperson of the concerned department for one week prior to its submission for foreign evaluation. The faculty and the students will be invited through Campus News to peruse the thesis for any suggestions/corrections. The suggestion received if in order will be incorporated through the supervisory committee.
45. (i) If both the examiners reject thesis, the candidate shall be declared as failed. However, the Graduate Studies and Research Board/Board of Advanced Studies and Research may allow a student to re-conduct his/her research and re-submit his/her thesis on a new topic as recommended by his Supervisory Committee. This facility would be available only once within the period of residential requirements i.e. 10/14 semesters.  
(ii) If both the examiners approved the thesis, the candidate shall be recommended for the award of degree.  
(iii) When both the examiners suggest either no or minor revision the student should submit three hard bound copies of the thesis within six months, otherwise he/she shall be no more a student of the University.  
**Explanation:** However GSRB/BASR may relax six months further under special circumstances to be recorded.
46. If one of the examiners approves the thesis and the other rejects it, it shall be sent to a third examiner, for evaluation. If the third examiner approves the thesis, the candidate shall be recommended for the award of the degree, otherwise he/she shall be declared as failed.
47. If one of the examiners approves the thesis and the other is of the view that it is not acceptable in the form in which it has been presented but requires revision, the following procedure shall be followed:
  - (i) The Supervisory Committee of the candidate may either:
    - a) write to the examiners concerned explaining why it is not possible to revise the thesis and taking that it should be examined in its original form, or
    - b) If the views of the examiner were acceptable to the Committee, require the candidate to revise and resubmit the thesis within a period not exceeding two semesters, for re-evaluation.
  - (ii) If the examiner approves the original thesis or the revised thesis, as the case may be, the candidate shall be recommended for the award of the degree.
  - (iii) In case of disagreement between the Supervisory Committee and the examiner, the matter shall be referred to the Graduate Studies and Research Board/Board of Advanced Studies and Research which may suggest such action as it may consider expedient.
48. If both the examiners express the opinion that the thesis as presented, is not acceptable, but required revision the following procedure shall be adopted:
  - (i) In case the lines, on which the examiners have suggested revision of the thesis, are substantially the same and are acceptable to the Supervisory Committee, they shall call upon the candidate to revise the thesis on these lines and re-submit it within a period not exceeding two semesters, for re-evaluation. The

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<sup>1</sup> Approved by Syndicate in its 42<sup>nd</sup> meeting held on 14-12-2024.



## Ph.D STATUTES

revised thesis shall then be sent to the examiners and the procedure laid down in regulation(s) (46-47) shall be followed.

- (ii) In case the lines on which the examiners have suggested revision are not acceptable to the Supervisory Committee, the matter shall be referred to the Graduate Studies and Research Board/Board of Advanced Studies and Research which may suggest such action as it may consider expedient.
- (iii) In case a candidate, who is required to revise and resubmit his/her thesis, does not do so within the period allowed, he/she shall be declared to have failed.

49. For award of PhD degree, a PhD researcher shall be required to publish 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 Science 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.

\*Explanation: As per HEC policy one impact factor research publication out of the thesis research is mandatory. The second research/review paper submitted for publication is acceptable (BASR, 15th meeting held on 21-03-2023).

\*\*The submission of the 2nd paper will be sufficient for the disbursement of financial incentive to PhD supervisor (Executive Committee 32nd meeting held on 7-8-2023).

### Note:

- (i) A research article appearing online with valid DOI on website of an HEC's recognized research journal (HJRS) shall be considered published w.e.f. the date it appeared online with DOI.
  - (ii) In addition to above, the following documents are also required to be submitted along with final thesis;
    - (a) Two copies of English and Urdu articles (soft and hard) to be published in the National Press by PRP Office.
    - (b) Final approved three copies of hardbound PhD thesis along with its soft copy.
50. If the thesis, submitted by a candidate for final evaluation, is proved to be copied/plagiarized, it will be liable to be rejected. The admission of such a candidate shall be cancelled and he/she will not be readmitted to PhD under any circumstances.
51. If the thesis of a candidate is proved to be plagiarized after its evaluation and declaration of result, previous result of the candidate will be cancelled and he/she will be declared to have failed in thesis examination. Such a candidate shall not be readmitted to PhD under any circumstances.

### General Regulations

- 52. (i) A supervisor can supervise a total of 12 MS/MPhil/PhD students at a time with no more than 5 of these being PhD students .
  - (ii) Non HEC approved faculty/supervisor can not supervise PhD students.
  - (iii) Supervisor of PhD student must be from the same university.
53. There should be at least three relevant full time PhD Faculty members to launch the PhD program.
54. A candidate who has fulfilled all the requirements prescribed for the course shall be awarded the Degree of Doctor of Philosophy.
55. While defending synopsis/thesis by a PhD student in the absence of Supervisor/Co-supervisor/member, the Chairperson of the Department in which student is enrolled will sign on the behalf of supervisor/Co-supervisor or member.

### Note:

- (i) In case the Chairperson of Supervisory Committee is also a Chairperson of Teaching Department and is on leave (within country) he must attend the Ph.D. synopsis/thesis defense and a date in this regard shall be fixed with his consultation.
  - (ii) For minor change(s) in the title of synopsis/thesis a letter to the supervisor committee of the student will serve the purpose. However, the change(s) in the synopsis/thesis etc. will be notified by the office of the Director Graduate Studies.
  - (iii) In case of major change(s), the student will have to defend it again at University level, evaluated by the Supervisory Committee.
  - (iv) For minor and major changes in the GS-10 form, will be notified by the Office of the Director Graduate Studies.
56. The student who will enroll 15th semester will have to pay additional fee of 50% over and above the regular fee and who will enroll 16th semester will have to pay additional fee of 100% over and above the regular fee.<sup>1</sup>
57. The students who will enroll 15th/16th semester will not be allowed hostel accommodation. <sup>1</sup>
58. Teaching assistantship for at least one semester shall be mandatory requirement for PhD students to earn PhD degree. Teacher concerned from the respective department shall submit the completion report to the Vice Chancellor. Afterwards, the student will defend his/her thesis.

<sup>1</sup> Approved by Syndicate in its 42<sup>nd</sup> meeting held on 14-12-2024.

Sr.	Quality Parameter	Nature of Violation <sup>23</sup>	Proposed Action(s) if Existing Policy is Violated
i	Admission Criteria	Violation of admission criteria	i. Admission be cancelled. ii. University to return three times the amount received from students. iii. Disciplinary action against responsible staff.
ii	Illegal Admission	Admission of students without NOC from HEC	
iii	Course Work	Degree awarded without fulfilling the minimum credit hours requirement	i. The degree shall be considered equivalent to the MS/MPhil/Equivalent degree. ii. Disciplinary action against Department Chair and relevant staff.
iv	Comprehensive Examination	Failure to pass Comprehensive Examination within the prescribed number of attempts.	i. Termination of PhD candidature/registration of student.
v	Supervision of dissertation	Supervision of a PhD dissertation by a person who does not fulfil the minimum criteria for a PhD supervisor.	i. Disciplinary action against the Department Chair
vii	Maximum number of Supervisee	A supervisor, supervising PhD students beyond the maximum number specified by the HEC.	i. The supervisor shall be banned from supervising new PhD researchers for a maximum of five (5) years. ii. Disciplinary action against the Department Chair.
viii	External Evaluation of PhD dissertation	The external evaluation of a thesis is not in accordance with the prescribed criteria of HEC.	i. One additional paper shall be published by the student from his/her dissertation before degree attestation. ii. Disciplinary action against Department Chair and officer(s) responsible for sending dissertations for external evaluation.

<sup>22</sup> Apart from the above-mentioned details, any other violation may also be dealt in accordance with its nature and significance through university's statutory process.

<sup>23</sup> These are the minimum examples and shall include all such other cases those shall be identified time to time.

<sup>8, 9, 10, 11</sup> Approved by Syndicate in its 22<sup>nd</sup> meeting held on 03-05-2019.

		Unjustified delay in sending dissertation for external evaluation	i. Officer(s) responsible for sending dissertations for external evaluation shall be warned.
ix	Relevance	The dissertation has no relevancy to the Title and Scope of the degree	i. Supervisor shall be banned from supervising new PhD researchers for a maximum of five (5) years. ii. Disciplinary action against Department Chair.
x	Research Publication	i. No research papers were published but a degree was awarded. ii. Papers published but not in HEC's recognized journal. iii. Papers published but not in the required category of journals. iv. Paper published after the award of a PhD degree. v. Degree awarded based on a paper published before the approval of the PhD research synopsis. vi. Degree awarded based on a paper that has no relevance to the dissertation.	i. Paper to be published in the required category of the HEC recognized journal before attestation of degree. ii. Supervisor be banned from supervising the new PhD researchers for maximum 05 years. ii. Disciplinary action against the Department Chair and the relevant staff of the Controller of Examinations.
xii	Plagiarism	Degree awarded, and major or minor plagiarism found in the thesis at any stage in the future.	i. The PhD researcher/degree holder and his supervisor will be penalized as per the provisions of the Anti- Plagiarism Policy of the HEC.
xiii	Degree Issued in Violation of University's Own Rules / Law	Degree issued in violation of the university's PhD Policy/rules in addition to HEC guidelines.	i. Supervisor be banned from supervising the new PhD researchers for a maximum of 05 years. i. Disciplinary action against the Department Chair and the Controller of Examination.
xiv	Poor Governance System of the Doctoral Research	Absence of the systems elaborated in Part-II of this policy i.e., Governing the Systems of Doctoral Research	i. In addition to the actions mentioned in clause "Cancellation of NOC and/or demotion to the lower category", disciplinary actions shall be taken against the relevant officers/heads of the Directorate of
			Advanced Studies and Research/Equivalent Body, Quality Assurance/Equivalent Body, Controller of Examinations etc., if applicable.

**59.** All admissions secured by providing wrong information or concealment of relevant information or the admissions made in contravention of these Regulations shall be void/liable to be cancelled.

**60.** Every candidate and his/her parents/guardian shall at the time of admission give an affidavit/undertaking, that he/she shall not indulge in politics, failing which he/she shall not be allowed admission. In the event of violation of such an undertaking after admission, he/she shall be expelled from the Institution without notice. The finding with regard to "indulgence in politics" given by the Head of the Institution under his seal and signature shall be final and shall not be questioned except only before the Supreme Court of Pakistan.

**61.** Any violation against the quality parameters circulated by HEC vide letter Ref-1-4(MS/PhD) QAD/HEC/2018/86/293 dated December 03, 2018 and adopted by the Syndicate in its 22nd meeting held on 03.05.2019 shall be observed as per given below:

11\*This point has been postponed for further deliberation by Syndicate in its 22nd meeting held on 03-05-2019.

## GENERAL INSTRUCTIONS (For all postgraduate degrees)

1. All postgraduate students after semester/session enrolment must get their respective copy of the GS/10 form immediately from the office of Director Graduate Studies. Thereafter, the said copy is to be shown to the concerned teacher(s) offering the course(s) in order to include their name in the attendance register being maintained by the teacher.
2. In a program of study where thesis is a partial requirement for completing the degree, the students must submit their semifinal theses to the Directorate of Graduate Studies duly forwarded by the Chairperson of the Department and Dean of the Faculty concerned on or after the 60th day w.e.f. officially announced date for the commencement of classes in their last semester. They may submit the final theses on or before the 30th day after the termination of the semester provided that they are going to complete the minimum residential requirements for the degree in that semester. Those who fail to meet the stipulations may enroll the next semester provided that they have not crossed the maximum limit for semesters for that degree.
3. No course shall be conducted unless there are at least four students enrolled for that course. In special cases, however, if the number of students is less than four, permission of the Vice Chancellor shall have to be obtained for conducting that course within one month of the commencement of that semester and no request will be entertained after expiry of the date. This condition, however, does not apply to the summer session.
4. An approved course, not offered for four semesters consecutively, shall stand deleted from the list of approved courses of the department concerned.
5. If a teacher is not available for guidance for most of the time he/she should be changed by the Dean of the Faculty on a request from the student supported by the Chairperson of the Department concerned.
6. The course work program of a regular PhD student should be so arranged that it is completed within two semesters, preferably.
7. Theses should be submitted to the office of the Director Graduate Studies duly forwarded by the Chairperson of the Department and Dean of the Faculty concerned on or before the scheduled date.
8. Director Graduate Studies is empowered to extend the date of final submission of the theses by two weeks of those students who get their semi-final theses approved/scrutinized by the Directorate of Graduate Studies on the prescribed date. However, Vice Chancellor may extend the date further of final theses for another period of three weeks maximum on the request of postgraduate students duly recommended by the Chairperson/Dean and Director Graduate Studies.
9. The Registration of the graduates from the other Universities admitted in this University be completed within first semester, otherwise, their admission would be cancelled.
10. Course mentioned in statute four shall not be counted towards minor field as required under statute 4(ii).
11. When two or more brothers/sisters are studying, younger can be granted half tuition fee concession by the Dean concerned.
12. "Audit Course" means a course attended without any liability of taking its examination.
13. "Credit Course" means course of study to be completed as requirement for a degree.
14. "Credit hours" means the successful completion of a course of one semester hour in theory or two semesters' hours in practical's per week.
15. "Deficiency Course" means a course in which a student has been adjudged deficient by a competent body of the university.
16. "Non-Credit Course" means a course of study, successful completion of which would not be a requirement for the degree.
17. Colour of Thesis Binding
  - M.Sc. (Hons.)/M.Phil/MS (Blue)
  - PhD (Maroon)
18. Abstract should be included in the thesis, acknowledgment should not be more than one page and review of literature will be in running condition with Conclusion.
19. Applications will be invited through National press for admission to postgraduate courses in the beginning of the academic session i.e. August/September. The application forms and prospectus of the University will be placed on the website of the University to facilitate the applicants for downloading. University may charge the fee for processing of application and entry if any, through pay order/bank draft.  
**Note:** Any addition/alteration in the Postgraduate Statutes and Regulations received from HEC from time to time will become part of these statutes and regulations with the approval of the statutory bodies of the University.



## 1. Guidelines for Supervisors

For the supervisor, the practice of supervision should involve:

- (i) discussing with the supervisee the mutual expectations on which the supervision process can be built;
- (ii) giving general advice on resolving academic problems arising in the course of the research project;
- (iii) giving advice on developing and narrowing the theme and problem to be dealt within the PhD thesis;
- (iv) discussing method, approach and later the results of the project;
- (v) assisting the candidate in finding relevant literature or research materials, additional research funding (if necessary) or gaining access to the field;
- (vi) supporting the supervisee in his/her integration into a local PhD discussion group, in which the supervisee can presents his/her research;
- (vii) supporting the supervisee in his/her integration into the broader scientific community through conference participation, publication and/or inclusion in third party funded projects/project applications;
- (viii) supporting the acquisition of teaching skills through the supervisees' inclusion in taught courses, if this does not interfere with the timely completion of the PhD thesis;
- (ix) providing feedback on essential parts of the final draft of the PhD thesis before the latter is handed in;
- (x) discussing career options for the time after the PhD;
- (xi) recommending another supervisor if he/she is unable to supervise or continue with the supervision;
- (xii) calling meetings of supervisory committee and supervisee;
- (xiii) maintaining a file including meeting schedule of supervisory committee;
- (xiv) submitting meeting schedule and contribution of supervisory committee in research work.

## 2. For the Co-supervisors/Members, the practice of supervision should involve:

- i. guide the supervisee on the issues mentioned in section 86 as much as possible and, if necessary, in agreement with the supervisor.
- ii. can set up a reporting procedure with the candidate, if this is deemed helpful and agreed between the supervisors and the PhD candidate.
- iii. If PhD candidates stay at the university of the Co-supervisor for research or teaching, Co-supervisors should assist the candidate in the preparation of and during their stay.
- iv. Comments from Co-supervisors on the final draft of the thesis are highly welcome.

## 3. Supervisees: During the PhD scholarship period the supervisee concentrates on working on his/her PhD project for finishing it in the envisaged time frame. He/she keeps in touch with the supervisor on a continuing basis, respectively according to the forms and intervals agreed upon with the supervisor, for enabling the supervisor to fulfill the responsibilities set out in section 86-87.

## 4. Reporting and work plan: The first supervisor and the supervisee agree on a work plan, including a time frame for completing a high quality doctoral thesis within the period of three years (in exceptional circumstances: maximum four years). The supervisor and the supervisee set up a regular reporting procedure (e.g. through the provision of research reports, draft chapters etc.) for assessing the progress of the research project according to the original work plan and deciding, if necessary, on its adaptation. Reporting should take place at least once per year.

## 5. Conflict resolution: Different opinions between supervisor/co-supervisor/member and supervisee, which may severely harm the trust-based cooperation between them, should be communicated to the Chairperson, Graduate Studies and Research Board/ Board of Advanced Studies and Research. The latter may then install a case-based committee for resolving the issue in a for all parties acceptable way.



# Faculty of Agriculture & Environmental Science





## DEAN'S MESSAGE

My Dear Students,

Welcome to the Faculty of Agriculture and Environmental Sciences (FA&ES) at MNS-University of Agriculture, Multan.

As one of the founding faculties of the University, FA&ES has played a central role in its academic and research development since its inception. The faculty comprises two institutes and several departments, each dedicated to providing a dynamic and forward-thinking academic environment.

Our faculty members are highly qualified and bring a wealth of experience from leading institutions around the world. They are actively engaged in cutting-edge research and innovative teaching practices that respond to the evolving challenges of agriculture and environmental sciences. At FA&ES, we view every challenge as an opportunity to contribute through impactful research and practical solutions.

Our research addresses a wide range of critical areas, including healthy seed production, sustainable soil and crop management, development of climate-resilient crop varieties, integrated pest and weed management, insect toxicology, advanced irrigation systems like drip and hydroponics, tunnel farming, agro-forestry, and pre- and post-harvest technologies. We are committed to supporting national food security and actively advising policymakers in times of agricultural crises such as disease outbreaks and pest invasions.

The learning environment of the faculty is built on modern and flexible teaching systems, including blended and modular learning approaches. This adaptability has positioned us to deliver high-quality education both online and on campus, preparing our students to thrive in a rapidly changing world.

At FA&ES, our core mission is to create a vibrant academic community where students are empowered with skill-based knowledge, critical thinking abilities, and research competencies. Our graduates go on to serve as professionals, innovators, and leaders in the agriculture and environmental sectors, contributing to a knowledge-based economy.

We are proud to collaborate with national and international institutions, and together with our stakeholders, we continue to move towards our goal of making MNSUAM a globally recognized center of excellence.

Join us to build a better future—for yourself, your community, and the world.

Warm regards,

Faculty of Agriculture and Environmental Sciences (FA&ES)  
MNS-University of Agriculture, Multan



**Prof. Dr. Shafqat Saeed**

Dean, Faculty of Agriculture and  
Environmental Sciences

# Faculty of Agriculture and Environmental Sciences

The Faculty of Agriculture and Environmental Sciences was established in 2015 as the first faculty in MNS-University of Agriculture, Multan. The faculty has an energetic team of 69 full-time faculty members (52 PhD and 17 non-PhD) with diverse backgrounds and academic experiences at top universities in Australia, China, Germany, Korea, Singapore, UK, USA, etc. The faculty members have published more than 670 research papers and won more than 50 projects from national and international funding agencies like Higher Education Commission, Punjab Agriculture Research Board, Agricultural Linkages Program, Punjab Skill Development Fund, Prime Minister Youth Development Fund, USAID, Australian Centre for International Agricultural Research (ACIAR), DAAD Germany. Currently, there are 56 students enrolled in Ph.D., 448 in M.Sc. (Hons.), 1786 in B.Sc. (Hons.) Agriculture.



## Vision

The faculty of agriculture and environmental sciences is striving to be a dynamic center of excellence in research, innovation and creativity dedicated to teaching, extension, entrepreneurship and collaboration with the national and international partners, ultimately benefitting the farming community of Pakistan.



## Mission

Our mission is to achieve excellence in academia, research and extension in agricultural sector.



### Institute of Plant Breeding and Biotechnology:



- Plant Breeding and Genetics
- Seed Science and Technology
- Biotechnology

### Institute of Plant Protection with following chairs:



- Entomology
- Plant Pathology



### Department of Agronomy



### Department of Food Sciences and Technology



### Department of Horticulture



### Department of Soil and Environmental Sciences



# INSTITUTE OF PLANT BREEDING & BIOTECHNOLOGY

# Introduction of Institute of Plant Breeding and Biotechnology

The Institute of Plant Breeding and Biotechnology at MNS-UAM offers postgraduate degree programs in the subjects of Plant Breeding and Genetics, Seed Science and Technology, and Biotechnology. The institute has qualified faculty actively involved in developing latest curriculum and promoting effective research and development activities in the University. The institute was established with the aim of developing improved crop varieties and improving seed systems through the integration of conventional plant breeding techniques with modern biotechnological tools. The institute is running a number of research projects funded by national and international funding agencies including Agricultural Development Program (ADP), Govt. of the Punjab, Punjab Agricultural Research Board (PARB), Higher Education Commission (HEC), Agricultural Linkages Program (ALP), DFID, ACIAR, USAID. The institute has also initiated outreach programs for establishing linkages between the farming community, industry, and the researchers to solve the problems of the stakeholders. The institute arranges seminars, conferences, and workshops to discuss burning issues of agriculture and also to bring new research ideas for the young faculty and postgraduate students.



## Vision

To produce skilled human resource in conventional and advanced techniques of plant breeding, seed science and biotechnology to meet the needs of breeding systems, seed industry, and farming community.



## Mission

Improvement in Plant Breeding System through integrating conventional plant breeding techniques and modern biotechnological tools, Seed Production and Supply System, and good agriculture practices at farmer's field to obtain high yield of better quality produce to ensure food security.



# INSTITUTE OF PLANT BREEDING & BIOTECHNOLOGY



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# INSTITUTE OF PLANT BREEDING & BIOTECHNOLOGY



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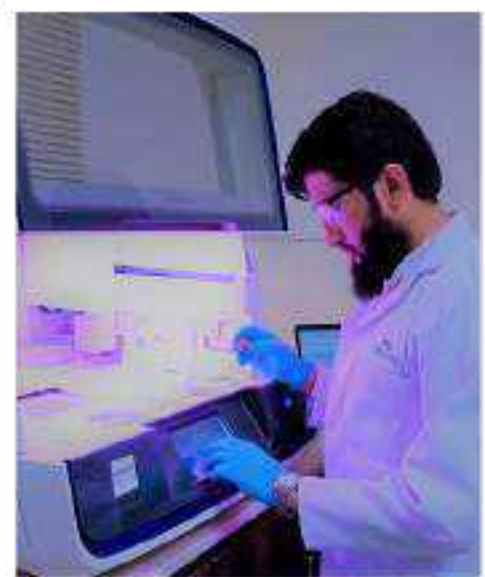
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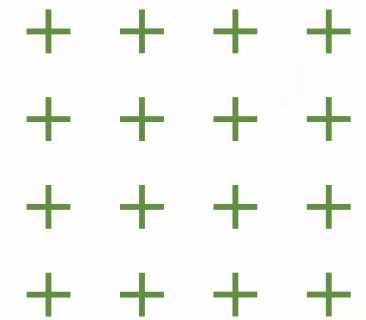
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# INSTITUTE OF PLANT PROTECTION







## Institute of Plant Protection

Climate change is a global phenomenon putting diverse cascading effects on every sphere of life on the earth, including agriculture. On the other hand, the world's population is increasing which demands to produce sufficient amount of food. With the prevailing scenario of climate change, a vast diversity of insect pests, diseases, and weeds invade crops, vegetables, fruit, and forest trees and cause huge losses to their production both in on-farm and post-harvest / storage. This Institute has inherited ties with local research institutes like CCRI, CRS, MRI, AMRI, and Agri. Extension, Pest Warning, and Quality Control of Pesticides, and Crop Life Association Pakistan, Syngenta Pakistan, Nuchem Pvt. Ltd., Hussain Salman Chemicals (HSC), Patron Chemicals, RiseAG Pakistan. These links will pave the path to grooming the Institute's students professionally. Several research projects have been submitted to renowned funding agencies of National and International fame like Higher Education Commission (HEC), USAID, Pakistan Science Foundation, Pakistan Agriculture Research Board (PARB), and International Foundation for Science (IFS), ACIAR, and JICA. Moreover, six research projects have been funded by PARB, HEC, and IFS on Cotton Whitefly, Cotton Blackening and Pink bollworm, Mango Fruit and Shoot Borer and Mango Fruit Fly, and viruses of onion and garlic, respectively.



### Vision

Developing an integrated system of research and outreach for plant protection



### Mission

Uplifting agricultural community through enhancing agricultural productivity by minimizing losses caused by insect pest complex and diseases using modern and environmental friendly measures, stabilizing natural ecosystem. Currently following chairs are present in the Institute:





## 1. Entomology

The faculty members of this program are highly qualified and take pride in their teaching responsibilities. Majority of the faculty members are PhD having foreign teaching / research experience. The faculty devotion for research is apparent from the publication of over 405 research and review articles and book chapters in well-reputed national and international journals. The following thematic groups are doing research and development activities under this Chair are: insect biodiversity and taxonomy, insect ecology and behavior, integrated pest management, insecticide toxicology, insecticide resistance, Bt resistance, biological control of insects, plant-pollinators interactions towards yield enhancement, vector entomology, forensic entomology, urban entomology, stored product pest management and vertebrate pest management.

## 2. Plant Pathology

The faculty members of this program are actively involved in unique blend of quality teaching and research activities in the different discipline of Plant Pathology like Virology, Bacteriology, Mycology, Nematology, Epidemiology and fungicide resistance. The research revolves around plant diseases, mechanisms involved in disease development, forecasting and their control employing modern and conventional research approaches. The faculty commitment for research is ostensible from the publication of over 425 research articles and book chapters in well-reputed national and international journals.

# INSTITUTE OF PLANT PROTECTION



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# INSTITUTE OF PLANT PROTECTION



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💡 Entomopathogenic fungi, Termite Management



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💡 Microbiome, Phytobiome, Meta-omics



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Lecturer

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💡 Plant Bacteriology, Epidemiology of fruit diseases and management



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💡 Plant Nematology, Biopesticides

















# DEPARTMENT OF AGRONOMY





## DEPARTMENT OF AGRONOMY

The Department of Agronomy is striving hard to earn reputation of one of the most accomplished departments in the University, with excellence in agronomic education with focus on solution-oriented and problem-oriented research related to crop production and soil management. A dedicated pool of skilled and highly qualified faculty, having hands-on experience in agronomic teaching and research at national and international institutes, makes it one of the most accomplished departments in the University. So far, the Department of Agronomy at MNS–University of Agriculture, Multan has published 150 international papers in refereed journals, won eight research projects, and submitted several others for reference materials for research at national and competitive grants. The Department also organizes seminars and workshops on contemporary issues of agriculture. Advisory services to farmers are also being provided. The department has all the basic facilities like lecture rooms, well-equipped research laboratories, textbooks and reference materials for undergraduate and postgraduate degree programs. The students are blessed with diverse learning facilities ranging from lectures to interactive tutorials, brainstorming sessions and Field workshops involving advance audio visual aids.



### Vision

To achieve excellence in agronomic education and provide leadership with focus on problem oriented research related to sustainable crop production and soil management for the development of farming community



### Mission

To provide technically trained human resource in the field of Agronomy with disciplinary knowledge to cope crop production under dwindling natural resources and climate change

# DEPARTMENT OF AGRONOMY



**DR. ABDUL GHAFFAR**  
Professor and Chairman

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💡 Climate Smart and Sustainable Agriculture



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💡 Crop Growth Modeling, Climate Change



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💡 Weed Science, Climate Smart Agriculture



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💡 Agronomic Biofortification, Weed Crop Interference



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💡 Stress Agronomy, Crop Nutrient Management









# DEPARTMENT OF HORTICULTURE



# DEPARTMENT OF HORTICULTURE

The department comprises of young, energetic and motivated faculty, staff as well as research team having diverse experience and a strong commitment towards teaching, research and outreach. The departmental faculty consists of a professor, two associate professors, three assistant professors and three lecturers; all having rich teaching and research experience together with numerous publications in national and international peer-reviewed journals and conference proceedings. The department offers degree programs in BSc (Hons), MSc (Hons) and PhD with specialization in horticulture subject. The curriculum of these degree programs is regularly reviewed and revised keeping in view the HEC guidelines, needs of the farming community and global developments which are duly approved through statutory bodies. The department was established in 2015; and until 2024, eighty-nine (89) master and two (02) PhD students have received their degrees from department. Currently, forty-six (46) masters and eleven (11) PhD students are enrolled in the department

Regarding research and development; various projects worth Rs. 69.44 million are under progress including, supply chain management and value addition of Jaman fruit (Rs. 2.97 million); production of certified mango nursery for small tree system (Rs. 6.49 million); development and commercialization of tomato developed by inter and intra specific hybridization for tolerant to virus, heat, frost and improvement in shelf life in Punjab (Rs. 20.48 million); Import of high value germplasm and technology of elite exotic fruits, vegetables and medicinal crops for diversification and sustainable production in Punjab (Rs. 34.3 million), enhancing aesthetic beautification through tree plantation (Rs. 1.1 million), beautification and pollution control of khawaja mineral industries using ornamental plants (1.1 M) and role of ornamental plants to mitigate soil heavy metal pollution (3.0 M) funded by Higher Education Commission of Pakistan, Punjab Agricultural Research Board, Pakistan Agriculture Research Council and Endowment Fund Secretariat, University of Agriculture, Faisalabad, respectively; while projects worth Rs. 28.06 million have been previously completed.



## Vision

Overall, a vision statement for a Horticulture Department in a university is to focus on advancing the field of horticulture through research, education, and community engagement, while promoting sustainability and supporting industry growth.



## Mission

Provide students with a strong education in horticulture while conducting research that advances the science of the field, promoting sustainable practices, supporting the industry, and engaging with the community.





The department is focused to conduct transdisciplinary research and development in nursery raising, soil/ soilless production systems, postharvest management, supply chain improvement, value addition and marketing of horticultural crops including fruits, ornamental plants, flowers and vegetables. Various field and laboratory facilities are available for teaching, demonstration and skill development of students and conducting scientific and industry-oriented research on horticultural crops and products. The department actively remains involved in outreach activities for farming communities and agro-industries. Considering geographical location of MNS-UAM in the main mango growing area of Pakistan the department emphasizes on creating awareness, branding and networking in mango production, supply and value chains. In this regard, the department has a pride to organize an annual mango festival in Multan to provide a platform to mango stakeholders including growers, exporters, processors, nursery owners, fertilizer companies/dealers, pesticide companies, banks and several other organizations/firms etc. These opportunities provide them a platform to display their products that attract the national and international business networking. Moreover, the event also includes festivity, competition opportunities and awareness for general public. In addition, the department also conducts regular seminars, workshops and different capacity building activities regarding good agricultural production practices, postharvest management and value addition according to international standards of product quality, safety, shelflife and marketability. Recent organization of training course on mango small tree system and general orchard management at core mango production areas of Pakistan including Hyderabad, Rahim Yar Khan and Multan is a new national activity introduced by the department to create awareness in mango industry and develop technical capacity to get higher mango yields with premium quality. Moreover, departmental faculty has also taken lead in demonstrating the hydroponic and soilless cultivation of various horticultural crops including tomato, bell pepper, cucumber and strawberry. The technology has been demonstrated to several hundreds of stakeholders including growers, traders, researchers, investors, policy makers etc. Various farmers and investors get consultancy from the departmental faculty for vegetable production under protected environment. Other salient initiatives of the department include insect repellent plants, low-chill temperate fruits, one-touch harvest technology for perishables.

# DEPARTMENT OF HORTICULTURE



**DR. ISHTIAQ AHMAD RAJWANA**  
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💡 Genetic Conservation of Fruits



**DR. KASHIF RAZZAQ**  
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💡 Pomology, Postharvest, Physiology of Fruits



**DR. TANVEER AHMAD**  
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💡 Olericulture



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💡 Olericulture, Protected Farming (Soil & Soilless)



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💡 Floriculture and Landscaping, Plant Tissue Culture



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💡 Crop Improvement (Breeding, Tissue Culture)



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# DEPARTMENT OF SOIL & ENVIRONMENTAL SCIENCES



# DEPARTMENT OF SOIL & ENVIRONMENTAL SCIENCES

Healthy soils and clean environment are indispensable for all life forms on earth due to their tremendous role in food security and human health. Therefore, MNS University of Agriculture Multan established its Department of Soil and Environmental Sciences in year 2012. The department houses distinguished faculty with vast teaching and research experience in various domains such as Saline Agriculture, Soil Microbiology and Biochemistry, Soil Fertility and Plant Nutrition, Soil and Environmental Chemistry, Soil Physics, Climate Change. The departmental labs are equipped with state-of-the-art equipment for research. Therefore, two M.Sc. (Hons.) programs are offered in the subject of “Soil Science” and “Climate Change”. The Climate Change degree program is a joint venture with different departments of the university. However, PhD is offered only in the subject of Soil Science. Faculty comprises HEC-approved supervisors who are competent and open-minded to make collaborations, take initiatives, establish industry-academia linkages, and perform outreach activities. Postgraduate programs of the department prepare the students to address agricultural and environmental challenges, keeping in view the local and global perspectives. Research in the department drives innovation and new technologies for problem-solving to pave the way for a knowledge economy. After graduation, the trained students serve in Public and Private sectors such as Universities, Research Institutes, Soil and Water Testing Laboratories, Fertilizer and Pesticide Companies and leading NGOs. Currently, 10 national and international funded research projects are going on in the department. Moreover, gatherings of scientific community in the form of seminars, conferences, and workshops are regularly held to provoke scientific thoughts in students and to establish linkages with potential stakeholders.



## Vision

To contribute in national growth and development by producing technical manpower and productive research.



## Mission

To produce graduates having strong problem-solving skills by effective learning through efficient teaching, training, and outreach activities for improving soil and crop health in changing climate

# DEPARTMENT OF SOIL & ENVIRONMENTAL SCIENCES



**DR. TANVEER UL HAQ**  
Professor & Chairman

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💡 Saline Agriculture, Plant Stress Physiology



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💡 Weed Science



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💡 Sustainable Agriculture



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💡 Soil Physics, Solute Movement in Soil



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💡 Soil & Environmental Chemistry, Nanotechnology



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💡 Soil and Environmental Sciences



# DEPARTMENT OF SOIL & ENVIRONMENTAL SCIENCES



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Soil and Environmental Chemistry



**DR. ZEESHAN ALI**  
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Soil chemistry, Heavy metal removal, Pesticides extraction





**List of Courses for  
Postgraduate Degree Programs  
Faculty of Agriculture  
and Environmental  
Sciences**

## **INSTITUTE OF PLANT BREEDING & BIOTECHNOLOGY (BIOTECHNOLOGY)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>
BIOTECH-701	Biotechnology: Principle and Applications	3(2-1)
BIOTECH-702	Bioethics, Biosafety and Biosecurity	3(2-1)
BIOTECH-703	Molecular Cell Biology	3(2-1)
BIOTECH-704	Gene Expression and Regulation	3(2-1)
BIOTECH-705	Bioremediation and Biodegradation	3(2-1)
BIOTECH-706	Plant Forensic Science	3(2-1)
BIOTECH-707	Tissue Culture and Somatic Cell Genetics	3(2-1)
BIOTECH-708	Advances in Viral Genomics	3(2-1)
BIOTECH-709	Bioinformatics	3(2-1)
PBG-709	Advances in Breeding Serial and Legume Crops	3(2-1)
PBG-710	Advances in Breeding Fiber and Oil Seeds Crops	3(2-1)
PBG-711	Advances in Breeding Vegetables and Fodder Crops	3(2-1)
BIOTECH-712	Recent Trends in Biotechnology and Nano Biotechnology (For PhD)	3(2-1)
BIOTECH-713	Advanced Genomics, Proteomics, and Metabolomics (For PhD)	3(2-1)
BIOTECH-719	Special Problems	1(1-0)
BIOTECH-720	Seminar	1(1-0)



List of Courses for Postgraduate  
Degree Programs

**Faculty of Agriculture  
and Environmental  
Sciences**

## INSTITUTE OF PLANT BREEDING & BIOTECHNOLOGY (PLANT BREEDING AND GENETICS)

COURSE CODE	COURSE TITLE	CREDIT HOURS
PBG-701	Principles of Plant Breeding	3(2-1)
PBG-702	Biometrical and Population Genetics	3(2-1)
PBG-703	Crop Biotechnology and Molecular Breeding	3(2-1)
PBG-704	Cytogenetics and Evolution of Crop Plants	3(2-1)
PBG-705	Crop Breeding for Biotic and Abiotic Stresses	3(2-1)
PBG-706	Crop Breeding for Quality and Biofortification	3(2-1)
PBG-707	Participatory and Integrated Climate Smart Plant Breeding	3(2-1)
PBG-708	Entrepreneurship in Plant Breeding	3(2-1)
PBG-709	Advances in Breeding for Annual Legume Crops	3(2-1)
PBG-710	Advances in Breeding Fiber and Oilseed Crops	3(2-1)
PBG-711	Advances in Vegetable and Forage Crops	3(2-1)
PBG-712	Recent Trends in Crop Genetics and Cytogenetics (For PhD)	3(2-1)
PBG-713	Recent Trends in Crop Breeding and Evolution (For PhD)	3(2-1)
PBG-714	Advances in Plant Hormones and their Molecular Interactions	3(2-1)
PBG-719	Special Problem	1(1-0)
PBG-720	Seminar	1(1-0)



List of Courses for  
Postgraduate Degree Programs

Faculty of Agriculture  
and Environmental  
Sciences

## INSTITUTE OF PLANT BREEDING & BIOTECHNOLOGY (SEED SCIENCE AND TECHNOLOGY)

COURSE CODE	COURSE TITLE	CREDIT HOURS
SST-701	ENVIRONMENTAL FACTORS AND SEED CROP PRODUCTION	3(2-1)
SST-702	VARIETY AND SEED LEGISLATION	3(2-1)
SST-703	SEED HEALTH MANAGEMENT AND QUARANTINE MEASURES	3(2-1)
SST-704	QUALITY ASSURANCE SYSTEMS IN SEED INDUSTRY	3(2-1)
SST-705	SEED BUSINESS MANAGEMENT AND ENTREPRENEURSHIP	3(2-1)
SST-706	ADVANCES IN SEED PRODUCTION	3(2-1)
SST-707	SEED BIOTECHNOLOGY	3(2-1)
HORT-707	ADVANCE NURSERY PRODUCTION IN HORTICULTURE	3(2-1)
SST-708	STATISTICS IN SEED RESEARCH	3(2-1)
SST-709	POST-HARVEST PHYSIOLOGY	3(2-1)
AGRON-709	SEED PHYSIOLOGY	3(2-1)
SST-710	SEED AND AGRICULTURAL MARKETING	3(3-0)
SST-711	PLANT NUTRITION FOR SEED CROPS	3(2-1)
HORT-711	PRODUCTION AND HANDLING OF HORTICULTURAL CROPS SEEDS	3(2-1)
SST-719	SPECIAL PROBLEM	1(1-0)
SST-720	SEMINAR	1(1-0)





List of Courses for  
Postgraduate Degree Programs

Faculty of Agriculture  
and Environmental  
Sciences

## INSTITUTE OF PLANT PROTECTION (ENTOMOLOGY)

COURSE CODE	COURSE TITLE	CREDIT HOURS
ENT-701	Research Methods in Entomology	3(2-1)
ENT-702	Origin and Phylogeny of Insects	3(3-0)
ENT-703	Environmental Entomology	3(3-0)
ENT-704	Advances in Pest Management Research	3(2-1)
ENT-705	Insect Pathology	3(2-1)
ENT-706	Chemical Ecology of Insects	3(3-0)
ENT-707	Forensic Entomology	3(2-1)
ENT-708	Molecular Entomology	3(2-1)
ENT-709	Insecticide Resistance and Management	3(2-1)
ENT-710	Insects in Relation to Plant Diseases	3(2-1)
ENT-711	Medical and Veterinary Entomology	3(2-1)
ENT-712	Insect Rearing Techniques	3(2-1)
ENT-713	Classification of Immature Insects	3(2-1)
ENT-714	Insect Toxicology	3(2-1)
ENT-716	Insecticides and Public Health	3(2-1)
ENT-719	Special Problem	1(1-0)
ENT-720	Seminar	1(1-0)



**List of Courses for  
Postgraduate Degree Programs**

**Faculty of Agriculture  
and Environmental  
Sciences**

**INSTITUTE OF PLANT PROTECTION (PLANT PATHOLOGY)**

COURSE CODE	COURSE TITLE	CREDIT HOURS
PP-701	MYCOLOGY	3(2-1)
PP-702	PLANT DISEASE, POPULATION BIOLOGY AND BIOTECHNOLOGY	3(2-1)
PP-703	FUNGAL PLANT PATHOLOGY	3(2-1)
PP-704	PLANT VIROLOGY	3(2-1)
PP-705	PLANT BACTERIOLOGY	3(2-1)
PP-706	PLANT NEMATOLOGY	3(2-1)
PP-707	ECOLOGY AND EPIDEMIOLOGY OF PLANT DISEASES	3(2-1)
PP-708	BIOCHEMISTRY AND PHYSIOLOGY OF DISEASED PLANTS	3(2-1)
PP-709	GENETICS OF PLANT PATHOGENS	3(3-0)
PP-710	SEED PATHOLOGY	3(2-1)
PP-711	INTEGRATED PLANT DISEASE MANAGEMENT	3(2-1)
PP-712	POST-HARVEST PATHOLOGY	3(2-1)
PP-713	PLANT PATHOLOGY AND CLIMATE CHANGE	3(3-0)
PP-714	ADVANCES IN PLANT PATHOLOGY (FOR PH.D.)	3(3-0)
PP-715	MOLECULAR PLANT VIROLOGY	3(2-1)
PP-716	MOLECULAR PLANT MICROBE INTERACTIONS (FOR PH.D.)	3(2-1)
PP-717	BIOLOGICAL CONTROL OF PLANT PATHOGENS	3(2-1)
PP-718	PLANT PATHOLOGY AND INTERNATIONAL OBLIGATIONS	3(3-0)
PP-719	SPECIAL PROBLEM	1(1-0)
PP-720	SEMINAR	1(1-0)



**List of Courses for  
Postgraduate Degree Programs**

**Faculty of Agriculture  
and Environmental  
Sciences**

**DEPARTMENT OF AGRONOMY (AGRONOMY)**

COURSE CODE	COURSE TITLE	CREDIT HOURS
AGRON-701	Advanced Agronomy	3(2-1)
AGRON-702	Crop Modeling	3(2-1)
AGRON-703	Agro-Meteorology	3(2-1)
AGRON-704	Allopathy in Crop Production	3(2-1)
AGRON-705	Applied Crop Ecology	3(2-1)
AGRON-706	Crop Nutrition Management	3(2-1)
AGRON-707	Farming and Cropping Systems	3(2-1)
AGRON-708	Crop Production and Herbicides	3(2-1)
AGRON-709	Seed Physiology	3(2-1)
AGRON-710	Field Crop Experimentation	3(2-1)
AGRON-711	Stress Agronomy	3(2-1)
AGRON-712	Seed Science and Technology	3(2-1)
AGRON-713	Water Relations of Plants	3(2-1)
AGRON-714	Sustainable Agriculture	3(2-1)
AGRON-715	Climate Change and Agriculture	3(2-1)
AGRON-716	Weed Management	3(2-1)
AGRON-717	Recent Advances in Agronomy	3(3-0)
AGRON-718	Postharvest Technology of Crops	3(2-1)
AGRON-719	Special Problem	1(1-0)
AGRON-720	Seminar	1(1-0)



**List of Courses for  
Postgraduate Degree Programs**

**Faculty of Agriculture  
and Environmental  
Sciences**

**DEPARTMENT OF AGRONOMY  
(WEED SCIENCE)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>
WS-701	Systematics and Ecology of Weeds	3(2-1)
WS-702	Weed Physiology and Herbicidal Action in Plants	3(2-1)
WS-703	Modeling Crop-Weed Interactions	3(2-1)
WS-704	Research Methods in Weed Science	3(3-0)
WS-705	Rhizosphere Interactions and Weed Seed Bank Dynamics	3(2-1)
WS-706	Automation and Mechanization in Weed Control	3(2-1)
WS-707	Weed-Insect-Pathogen Interaction	3(2-1)
WS-708	Weed Biotechnology	3(2-1)
WS-709	Weed Seed Dispersal and Management	3(2-1)
WS-710	Environmental Economics and Weeds	3(2-1)
AGRON-708	Herbicides: Technical Aspects and Safe Use	3(2-1)
AGRON-716	Applied Weed Management	3(2-1)
WS-719	Special Problem	1(1-0)
WS-720	Seminar	1(1-0)





**List of Courses for  
Postgraduate Degree Programs**

**Faculty of Agriculture  
and Environmental  
Sciences**

## HORTICULTURE

COURSE CODE	COURSE TITLE	CREDIT HOURS
HORT-701	MINERAL NUTRITION OF HORTICULTURAL CROPS	3(2-1)
HORT-702	PLANT GROWTH REGULATORS	3(2-1)
HORT-703	BIOTECHNOLOGY OF HORTICULTURAL CROPS	3(2-1)
HORT-704	PLANT TISSUE CULTURE	3(1-2)
HORT-706	POST-HARVEST PHYSIOLOGY	3(2-1)
HORT-706	ROOTSTOCKS FOR HORTICULTURAL CROPS	3(2-1)
HORT-707	ADVANCE NURSERY PRODUCTION IN HORTICULTURE	3(2-1)
HORT-708	CITRICULTURE	3(2-1)
HORT-709	MANGO AND DATE PALM CULTURE	3(2-1)
HORT-710	MINOR FRUITS	3(2-1)
HORT-711	PRODUCTION AND HANDLING OF HORTICULTURAL SEEDS	3(2-1)
HORT-712	HORTICULTURAL PRODUCTION UNDER ABIOTIC STRESSES	3(2-1)
HORT-713	SOLANACEOUS CROPS	3(2-1)
HORT-714	ADVANCES IN VEGETABLE SCIENCE	3(2-1)
HORT-715	MUSHROOM BIOLOGY AND TECHNOLOGY	3(2-1)
HORT-716	LANDSCAPE DESIGNS	3(2-1)
HORT-717	ADVANCES IN FRUIT SCIENCE	3(2-1)
HORT-719	SPECIAL PROBLEM	1(1-0)
HORT-720	SEMINAR	1(1-0)



**List of Courses for  
Postgraduate Degree Programs**

**Faculty of Agriculture  
and Environmental  
Sciences**

**DEPARTMENT OF SOIL AND ENVIRONMENTAL SCIENCES (CLIMATE CHANGE)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>
CC-701	Climate Change Impact Assessment	3(2-1)
CC-702	Climate Change Mitigation and Adaptation Strategies	3(3-0)
CC-703	Atmospheric Science	3(2-1)
CC-704	Climate Smart Agriculture	3(2-1)
CC-705	Aquaculture and Climate Change	3(2-1)
CC-706	Biodiversity and Climate Change	3(3-0)
CC-707	Climate Change and Livestock	3(2-1)
CC-708	Disaster Risk Reduction and Management	3(2-1)
CC-709	Agro-Forestry and Horticulture under Changing Climate	3(2-1)
CC-710	Soil and Water Conservation under Climate Change	3(2-1)
CC-711	Economics of Climate Change	3(3-0)
CC-712	Climate Change and Water Resources	3(2-1)
AGRON-703	Agro-Meteorology	3(3-0)
ENT-703	Environmental Entomology	3(3-0)
PP-713	Plant Pathology and Climate Change	3(3-0)
SES-714	Bio-Sequestration and Environment	3(2-1)
CC-719	Special Problem	1(1-0)
CC-720	Seminar	1(1-0)



**List of Courses for  
Postgraduate Degree Programs**

**Faculty of Agriculture  
and Environmental  
Sciences**

**DEPARTMENT OF SOIL AND ENVIRONMENTAL SCIENCES  
(SOIL SCIENCE)**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>
SBS-701	SOIL CHEMISTRY	3(2-1)
SBS-702	INSTRUMENTAL ANALYSIS AND ANALYTICAL TECHNIQUES	3(1-2)
SBS-703	SOIL FERTILITY AND PLANT NUTRITION	3(2-1)
SBS-704	SOIL MICROBIOLOGY AND BIOTECHNOLOGY	3(2-1)
SBS-705	SOIL CLASSIFICATION	3(2-1)
SBS-706	SALT-AFFECTED AND WATERLOGGED SOILS	3(3-0)
SBS-707	SOIL PHYSICS	3(2-1)
SBS-708	ADVANCES IN SOIL CHEMISTRY	3(3-0)
SBS-709	ADVANCES IN SOIL FERTILITY	3(3-0)
SBS-710	SOIL AND ENVIRONMENTAL MICROBIOLOGY	3(3-0)
SBS-711	PRINCIPLES AND APPLICATIONS OF BIOREMEDIATION	3(3-0)
SBS-712	SOIL MINERALOGY	3(3-0)
SBS-713	SOIL-PLANT-ENVIRONMENT RELATIONSHIP	3(3-0)
SBS-714	BIO SEQUESTRATION AND ENVIRONMENT	3(3-0)
SBS-715	ENVIRONMENTAL APPLICATION OF GIS AND REMOTE SENSING	3(2-1)
SBS-719	SPECIAL PROBLEM	1(1-0)
SBS-720	SEMINAR	1(1-0)



# FACULTY OF FOOD AND HOME SCIENCES



# FACULTY OF FOOD AND HOME SCIENCES

## Dean's Message

Welcome to the Faculty of Food and Home Sciences! I am delighted to express my views that you are going to join a fast growing faculty where commitment, adherence to the standards of academic excellence is among the top core values. For the last many years; our degree programs have been the leading choices of the students. We offer an enriched and comprehensive education in the fields of food, nutrition and home sciences and believe in the power of knowledge and its transformative impact on individuals and society.

Our dedicated faculty members are experts in their respective fields and are committed to providing you with a world-class education that will equip you with the skills and expertise needed to excel in your chosen career path.

As you embark on your academic journey with us, you will have the opportunity to explore a wide range of subjects within the fascinating domains of food, nutrition and home sciences. In nutritional sciences, we have unique shared program and activities with Nishtar Medical University of Multan which reflects a dynamic approach of the institutions.

We believe in fostering a collaborative and inclusive learning environment, where students are encouraged to ask questions, engage in critical thinking, and actively participate in hands-on experiences. Our state-of-the-art facilities and well-equipped laboratories provide the perfect platform for you to apply your knowledge and gain practical skills.

Furthermore, our faculty maintains strong ties with industry leaders, professional organizations, and research institutions, ensuring that our curriculum remains relevant and up-to-date. Through internships, field visits, and guest lectures from industry experts, you will have the opportunity to connect theory with real-world practice, preparing you for a successful career upon graduation.

Moreover, we value the personal and professional development of our students. Alongside academic excellence, we offer various extracurricular activities, clubs, and student organizations that provide a platform for you to explore your interests, develop leadership skills, and build lifelong friendships.

Whether you aspire to become a nutritionist, a food scientist, an interior designer, or a family counselor, the Faculty of Food and Home Sciences is committed in supporting your ambitions and helping you to achieve your goals. We take pride in nurturing well-rounded individuals who are not only academically accomplished but also socially responsible, compassionate, and equipped to make a positive difference in the world.



**Prof. Dr. Umar Farooq**  
**Dean, FF&HS**



## Welcome to the Faculty of Food and Home Sciences!

Faculty of Food and Home Sciences was first established during the year 2016 as Department of Food Science and Technology upgraded as Faculty in the year 2023. At the Faculty of Food and Home Sciences, we are committed to advancing knowledge and innovation in the fields of food science, nutrition, and home sciences. Our 11 dedicated permanent faculty members, 10 visiting faculty members and students from three well defined departments work collaboratively to address challenges related to food production, nutrition, health, and the sustainable management of households

With the recent upgrade from the Department of Food Science and Technology, we have expanded our focus to include a broader range of interdisciplinary areas related to food, nutrition, and the home environment. This transformation reflects our commitment to staying at the forefront of cutting-edge research and education in these critical domains.

Our faculty comprises distinguished experts who bring a wealth of experience and expertise to the table. They are at the forefront of research, exploring novel approaches to enhance food safety, develop innovative food processing techniques, optimize nutritional content, and promote healthy lifestyles. Our faculty members are actively engaged in collaborations with industry partners, government agencies, and international organizations, ensuring that our research has real-world impact and relevance.

Beyond the classroom, the Faculty of Food and Home Sciences offers a vibrant and inclusive community. We encourage students to participate in various student organizations, clubs, and events that foster networking, leadership development, and a sense of belonging. Our faculty and staff are dedicated to providing a supportive and nurturing environment, fostering a culture of academic excellence and personal well-being.

We invite you to explore our website to learn more about the Faculty of Food and Home Sciences, our programs, faculty members, research initiatives, and student opportunities. Join us in shaping the future of food, nutrition, and home sciences through innovation, collaboration, and transformative education.

Welcome to the Faculty of Food and Home Sciences – where knowledge, health, and sustainability meet. Faculty of Food and Home Sciences has comprised of following three departments

1. Department of Food Science and Technology
2. Department of Human Nutrition and Dietetics
3. Department of Home Sciences

Programs being offered at Main Campus

Following postgraduate degree programs are being offered at Main Campus:

### Postgraduate Programs

1. M.Sc. (Hons.) Food Science and Technology
2. M.Sc. (Hons.) Human Nutrition and Dietetics
3. Ph.D. Food Science and Technology
4. Ph.D. Human Nutrition and Dietetics

## Vision

Our aim is to enhance the learning capabilities of our graduates through regular practical classes and internship training programs. This vision is pursued under/in equivalence with the core values of the university i.e. integrity, excellence, teamwork, discipline and dedication to work.

## Mission

Department's mission is to equip and prepare young minds for meeting challenges of global food safety and food security situations. Provision of healthy, friendly, safe and educational environment for students is the main edge of the Department of Food Science and Technology.



# Faculty of Food and Home Sciences



**PROF. DR. UMAR FAROOQ**  
Dean FFHS, Chairman Department of HND  
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💡 Food Technology, Microbiology, Biotechnology



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Associate Professor / Chairman Department of FST  
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💡 Food Microbiology and Safety, Nutraceuticals and Functional Foods



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💡 Functional Foods, Nutraceuticals, Food Chemistry, Advanced Nutrition



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💡 Dairy Technology



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💡 Food Chemistry, Cereal Technology, Dairy Technology



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💡 Food Technology and Nutrition, Dairy Microbiology, Functional Foods



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💡 Food Science, Nutrition



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💡 Human Nutrition and Dietetics

# Faculty of Food and Home Sciences



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🎓 M.Sc. (Hons.)

💡 Human Nutrition and Dietetics



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🎓 M.Sc. (Hons.)

💡 Food Science and Technology













**List of Courses for  
Postgraduate Degree Programs  
Faculty of Food and  
Home Sciences**

## HUMAN NUTRITION AND DIETETICS

COURSE CODE	COURSE TITLE	CREDIT HOURS
HND-701	Maternal and Child Nutrition	3(3-0)
HND-702	Nutrigenomics and Proteomics	3(2-1)
HND-703	*Clinical Nutrition and Dietetics	3(1-2)
HND-704	Complementary Nutrition for Health Promotion	3(2-1)
HND-705	Physiology of Digestion and Metabolism	3(2-1)
HND-706	Molecular Physiology and Immunology of Nutrition	3(2-1)
HND-707	**Recent Advances in Nutrition and Dietetics	3(3-0)
HND-708	Food and Nutritional Security: Policy to Practice	3(3-0)
HND-709	Sports and Exercise Nutrition	3(2-1)
HND-710	Applied Dietetics	3(2-1)
HND-711	Social and Behavioral Aspects of Public Health	3(3-0)
HND-712	Pediatric and Geriatric Nutrition	3(3-0)
HND-713	Professional Dietetics Practices	3(3-0)
HND-714	Public Health Nutrition	3(2-1)
HND-715	Nutritional Epidemiology & Research Methods	3(2-1)
HND-716	International Nutrition	3(3-0)
HND-717	Public Health Microbiology	3(2-1)
HND-719	Special Problem	1(1-0)
HND-720	Seminar	1(1-0)

\*Clinical Nutrition and Dietetics (HND-703) will be compulsory for MSc. (Hons.) Human Nutrition and Dietetics

\*\*Recent Advances in Nutrition and Dietetics (HND-707) is compulsory for Ph.D. Human Nutrition and Dietetics



## List of Courses for Postgraduate Degree Programs

## Faculty of Food and Home Sciences

### FOOD SCIENCE AND TECHNOLOGY

COURSE CODE	COURSE TITLE	CREDIT HOURS
FST-701	Food Biochemistry	3(2-1)
FST-702	Food Additives	3(2-1)
FST-703	Food Enzymology	3(2-1)
FST-704	Food Toxicology	3(2-1)
FST-705	Baking Science and Technology	3(2-1)
FST-706	Dairy Processing	3(2-1)
FST-707	Advances in Food Microbiology	3(2-1)
FST-708	Advances in Food Chemistry	3(2-1)
FST-709	Advances in Edible Fat and Oil Technology	3(2-1)
FST-710	Advances in Processed Meat Technology	3(2-1)
FST-711	*Food Quality Assurance Management	3(3-0)
FST-712	Food Industrial Waste Management	3(2-1)
FST-713	Advances in Beverage Technology	3(2-1)
FST-714	Post-Harvest Management	3(2-0)
FST-715	Food Packaging	3(2-1)
FST-716	**Recent Advances in Food Science and Technology	3(3-0)
FST-719	Special Problem	1(1-0)
FST-720	Seminar	1(1-0)

\*\*Recent Advances in Food Science and Technology is compulsory for Ph.D. Food Science and Technology

\*Food Quality Assurance Management is compulsory for M. Sc. (Hons.) Food Science and Technology





# FACULTY OF SOCIAL SCIENCES & HUMANITIES





**Prof. Dr. Irfan Ahmad Baig**  
**Dean FSS&H**

## COORDINATOR MESSAGE

Faculty of Social Sciences and Humanities

Dear Prospective Students,

Welcome to the Faculty of Social Sciences and Humanities at MNS University of Agriculture, Multan. As the Dean, it is my honor to introduce you to an enriching academic journey that will shape your future and to introduce you to a world of opportunities and transformative learning experiences that await you here.

Our faculty is dedicated to fostering an environment where academic excellence, innovation, and practical skills converge. We offer a diverse range of undergraduate programs designed to equip you with the knowledge and competencies needed to excel in the dynamic and ever-evolving field of economics, management and social sciences in the realm of cultural dynamics and ethical guidelines. Our aim is to equip you with the analytical skills and critical thinking abilities necessary to understand and address the challenges of our world.

I gain pride of introducing my distinguished faculty who bring a wealth of experience and expertise from both academia and industry. They are committed to mentoring and guiding you, ensuring that you not only grasp theoretical concepts but also understand their real-world applications. Our curriculum is carefully crafted to balance foundational theories with hands-on learning.

Beyond academics, we encourage you to engage in our vibrant campus life. Participate in various student organizations, attend guest lectures by industry leaders, and take advantage of networking opportunities. These experiences will enrich your time at MNSUAM and help you build a strong professional network.

Our team is excited to have you join our community of aspiring leaders, innovators, and changemakers. Together, we will embark on a journey of discovery, growth, and success.

1. Department of Agricultural and Resource Economics
2. Department of Agribusiness and Entrepreneurship Development
3. Department of Outreach and Continuing Education
4. Department of Islamic Studies
5. Department of English
6. Department of Statistics
7. Department of Agricultural Extension
8. Center for Agricultural Sustainability in South Punjab





## Faculty of Social Sciences and Humanities

The Faculty of Social Sciences and Humanities is comprised of the Department of Agribusiness and Applied Economics, Department of English, Department of Islamic Studies, and Department of Computer Sciences. The faculty has a total strength of 19 faculty members, which include 7 PhDs and 12 non-PhD faculty members. Academic staff of faculty has academic training from leading universities of China, Germany, and Pakistan. The faculty members have several research projects and published research in renowned journals. At present, the faculty offers three postgraduate degree programs, namely M.Sc. (Hons.) Agricultural Economics, MS Computer Science and MS (Management – Agribusiness Specialization). Currently, 700 students are enrolled in different postgraduate and undergraduate degree programs.

### **Faculty of Social Sciences & Humanities Consists of Five Departments:**

1. Department of Agribusiness and Applied Economics
2. Department of Computer Science
3. Department of Continuing Education
4. Department of Islamic Studies
5. Department of English

The faculty with its constituent organs has been exploring socio-economic issues of national/international importance to assist policy makers and development practitioners in the formulation of pro-poor policies for sustainable development. Faculty of Social Sciences and Humanities is currently offering degree programs at the undergraduate level in the disciplines of Agricultural and Resource Economics, Agribusiness, Computer Sciences, and Information Technology. The Department of Continuing Education offers short courses of different durations ranging from two weeks to six months for capacity building and skill development. Keeping in view the future requirements and challenges of the 21st century, the Faculty has upgraded and revised its institutional programs at both undergraduate and postgraduate levels. The Faculty is also planning to initiate postgraduate degrees in Agricultural Economics, Agribusiness, Computer Science, and Agricultural Extension at the undergraduate level, considering market needs and public demand.





# DEPARTMENT OF AGRICULTURAL AND RESOURCE ECONOMICS

The population of Pakistan is increasing at an alarming rate and its majority depends directly or indirectly on the agriculture sector for their livelihood. Therefore, agriculture development is inevitable for ensuring food security, improving quality of life, alleviation of poverty, and overall development in rural areas.

The Department of Agricultural and Resource Economics is well aware of the changing scenarios of the sector and emerging challenges of the rural economy of Pakistan and is committed to equipping young social and agricultural scientists with updated knowledge and sophisticated research skills. This enables them to handle economic, social, and environmental challenges in achieving the goal of sustainable rural development. To cater to the needs, the department offers the following undergraduate programs.



## Vision

Striving to achieve food security and sustainable agricultural development by providing qualified and trained human resources.



## Mission

To equip the students with the knowledge and skills required to analyze the issues of the agriculture sector and efficient utilization of scarce resources for the sustainable development of the sector.

# Department of Agricultural & Resource Economics



**DR. IRFAN AHMAD BAIG**  
Professor / Dean

✉ [irfan.baig@mnsuam.edu.pk](mailto:irfan.baig@mnsuam.edu.pk) 🎓 Ph.D.  
💡 Climate Change, Resource Use  
Efficiency, Water Resource Management



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Professor and Chairman

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💡 Agricultural Productivity, Impact  
Analysis, Agriculture Policy Analysis



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💡 Food Security, Agricultural Policy Analysis,  
Market integration



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💡 Productivity and Efficiency  
Analysis, Dairy Markets, Agricultural Policy



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Lecturer

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💡 Resource Use Efficiency and  
Productivity, Agricultural Policy Analysis



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International Standards Compliance



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💡 Climate Change, Sustainable Agriculture  
Production





ACADEMIC BLOCK-1  
DEPARTMENT OF  
COMPUTER SCIENCE  
DEPARTMENT OF  
PHYSICS  
DEPARTMENT OF  
SOFTWARE  
ENGINEERING







# DEPARTMENT OF AGRIBUSINESS AND ENTREPRENEURSHIP DEVELOPMENT



## DEPARTMENT OF AGRIBUSINESS AND ENTREPRENEURSHIP DEVELOPMENT

The Department of Agribusiness and Entrepreneurship Development focuses on the intersection of agriculture, business, and entrepreneurial skills. It aims to provide education, training and skills on decision making in the complex business environment for the youth in South Punjab and beyond.

The department focuses on providing quality education at undergraduate and graduate level and strengthening the network with industry through its outreach activities. The department is equipped with well-established business incubation centre to inculcate a culture of entrepreneurship to produce innovative business enterprises.



### Vision

To play a leading role in the field of Agribusiness and entrepreneurship development through imparting quality education and inculcating a culture of entrepreneurship to produce innovative business leaders.



### Mission

Aimed to provide education, training and skills on decision making in the complex business environment for the youth in South Punjab and beyond. The department focuses on providing quality education at undergraduate and graduate level and strengthening the network with industry through its outreach efforts.



# Department of AGRIBUSINESS AND ENTREPRENEURSHIP DEVELOPMENT



**DR. MUBASHIR MEHDI**  
Professor, Director (BIAEC) and Chairman

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💡 Value Chain Research and Development, Marketing, Agribusiness Management and Entrepreneurship



**DR. MUHAMMAH HASEEB RAZA**  
Assistant Professor

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💡 Natural resource management, Impact assessments, Farmers' decision making, Institutions and governance, Innovations for sustainable development



**MR. MANAN ASLAM**  
Lecturer (On Study Leave)

✉ [Manan.aslam@mnsuam.edu.pk](mailto:Manan.aslam@mnsuam.edu.pk) 🎓 MS Agribusiness and Marketing

💡 Agribusiness, Agricultural Marketing, Consumer Behaviour, Business Ethics and Entrepreneurship



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💡 Economics of Climate smart agriculture (CSA), Resource management and sustainable agriculture analysis, Productivity, and efficiency analysis



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💡 Consumer Behaviour, Marketing and Management, Business ethics



**MR. MUHAMMAD BILAL AHSAN**  
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💡 Supply chain/ Value chain research and development









# Department of **Outreach and Continuing Education (DOCE)**





## Department of Outreach and Continuing Education (DOCE)

The Department of Outreach and Continuing Education (DOCE) at MNS-UAM offers various short courses associated with skill development and community education. The department was established in 2015 with the aim of developing proactive agricultural outreach along with the community training through skill development courses. The postgraduate program in Agriculture Extension is going to be offered. The department has qualified faculty, which is actively involved in developing latest courses and promoting effective outreach activities. The Institute is running several research projects funded by National Vocational and Technical Training Commission, Punjab Skill Development Fund, and other funding bodies. Keeping in view the gap in digital agriculture, department is also planning to launch an e-outreach program for establishing linkages among the farming community, industry and the researchers to address the problems of the stakeholders through the digital transformation in agriculture. The department will also be frequently organizing the faculty and student training programs.



### Vision

To engage and empower individuals and communities, to become innovative, sustainable, resilient, and healthy.



### Mission

To create a positive impact on the agricultural community by engaging diverse stakeholders in the planning and delivery of meaningful content and evidence-based programs.





# Department of Outreach and Continuing Education (DOCE)



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💡 Plant Virology



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💡 Soil Microbiology and Biochemistry



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💡 Agri. Extension



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💡 Islamic Social Thoughts & Tafseeri Literature in Colonial Era of Subcontinent



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💡 Biological control, Pollination Ecology



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💡 Pakistani Literature in English, Postcolonial and Postmodern Literature, Translation Studies, Communication Skills, Academic Writing



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💡 Postmodernism, Feminism, women's writings, post colonialism



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💡 Poetry and character analysis



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💡 Extension Education, Communication

🎓 PhD Agricultural Extension













**List of Courses for  
Postgraduate Degree Programs  
Faculty of Social Science  
and Humanities**

**(AGRICULTURAL ECONOMICS)  
COMPULSORY COURSES**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>
AE-701	Advanced Microeconomics	3(3-0)
AE-702	Mathematical Methods in Economics	3(3-0)
AE-703	Advanced Macroeconomics	3(3-0)
AE-704	Advanced Research Methods in Social Sciences	3(3-0)
AE-705	Econometrics Techniques and Applications	3(2-1)
AE-706	Advanced Production Economics	3(3-0)
STAT-704	Advanced Statistical Methods for Social Sciences	3(3-0)
STAT-705	Statistical Methods in Social Sciences	3(2-1)
AE-718	Economics of Land and Water Resources	3(3-0)
AE-719	Special Problem	1(1-0)
AE-720	Seminar	1(1-0)
AE-722	Topics in Advanced Microeconomics	3(3-0)
AE-723	Topics in Advanced Macroeconomics	3(3-0)
AE-724	Topics in Advanced Econometrics	3(3-0)
AE-790	Research and Thesis	6(0-6)



**List of Courses for  
Postgraduate Degree Programs  
Faculty of Social Science  
and Humanities**

**(AGRICULTURAL ECONOMICS)  
ELECTIVE COURSES**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>
AE-707	Topics in Economic Development	3(3-0)
AE-708	Project Analysis and Evaluation	3(3-0)
AE-709	International Economics	3(3-0)
AE-710	Labor Economics	3(3-0)
AE-711	Energy Economics	3(3-0)
AE-712	Environmental Economics	3(3-0)
AE-713	Islamic Economics	3(3-0)
AE-714	Agricultural Policy Analysis	3(3-0)
AE-715	Livestock Economics	3(3-0)
AE-716	Topics in Rural Development Policy	3(3-0)
AE-717	Climate Change: Impacts, Adaptation and Mitigation	3(3-0)
AE-721	Agro Value Chain Management	3(2-1)
AE-725	Agricultural Price Analysis	3(3-0)
AE-726	Political Economy of Food and Agriculture	3(3-0)
AE-727	Agricultural Trade Policy	3(3-0)
AE-728	Climate and Environmental Policy	3(3-0)



**List of Courses for  
Postgraduate Degree Programs  
Faculty of Social Science  
and Humanities**

## **MS (MANAGEMENT - AGRIBUSINESS SPECIALIZATION)**

### **COMPULSORY COURSES**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>
MAB-701	ENTREPRENEURSHIP IN AGRICULTURE	3(3-0)
MAB-702	GLOBALIZATION AND TRADE DEVELOPMENTS	3(3-0)
MAB-703	Strategic Corporate Finance	3(3-0)
MAB-704	Strategic Marketing Management	3(3-0)
MAB-705	Strategic Agribusiness Management	3(3-0)
MAB-706	Advanced Research Methods	3(3-0)
STAT-705	STATISTICAL METHODS FOR BUSINESS MANAGEMENT	3(3-0)
MAB-719	SPECIAL PROBLEM	1(1-0)
MAB-720	SEMINAR	1(1-0)
MAB-730	RESEARCH AND THESIS	6(0-6)

### **ELECTIVE COURSES**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>
MAB-707	AGRO VALUE CHAIN MANAGEMENT	3(2-1)
MAB-708	Managerial Accounting and Control Systems	3(3-0)
MAB-709	BUSINESS ECONOMICS	3(3-0)
MAB-710	LIVESTOCK AND DAIRY BUSINESS MANAGEMENT	3(3-0)
MAB-711	POULTRY BUSINESS MANAGEMENT	3(3-0)





**List of Courses for  
Postgraduate Degree Programs  
Faculty of Social Science  
and Humanities**

**MASTER OF BUSINESS ADMINISTRATION (MBA)  
COMPULSORY COURSES**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>
ABM-701	Principles of Agribusiness Management	3(3-0)
ABM-702	Corporate Social Responsibility	3(3-0)
ABM-703	Financial Accounting	3(3-0)
ABM-704	Agricultural Finance	3(3-0)
ABM-705	Food and Agricultural Marketing	3(3-0)
ABM-706	Business Communication	3(3-0)
ABM-707	Information Technology in Agribusiness	3(2-1)
ABM-708	Human Resource Management	3(3-0)
ABM-709	Business Mathematics and Statistics	3(3-0)
ABM-710	Managerial Economics	3(3-0)
ABM-711	Entrepreneurship in Agriculture	3(2-1)
ABM-712	Total Quality Management	3(3-0)
ABM-713	Business Taxation and management	2(2-0)
ABM-714	Globalization and Trade development	3(3-0)
ABM-715	Business Research Method	3(2-1)
ABM-716	Agribusiness Policy and Political Economy	3(3-0)
ABM-719	Special Problem	1(1-0)
ABM-720	Seminar	1(1-0)
ABM-730	Thesis	6(0-6)



**List of Courses for  
Postgraduate Degree Programs  
Faculty of Social Science  
and Humanities**

**MASTER OF BUSINESS ADMINISTRATION (MBA)  
ELECTIVE COURSES**

COURSE CODE	COURSE TITLE	CREDIT HOURS
ABM-718	Strategic Agribusiness management	3(3-0)
ABM-721	Consumer Behavior and Food marketing	3(3-0)
ABM-722	Food Safety and Quality Management	3(3-0)
ABM-723	Organization Development and Dynamics	3(3-0)
ABM-728	Food Chain Management	3(3-0)



**List of Courses for  
Postgraduate Degree Programs  
Faculty of Social Science  
and Humanities**

**SUPPLY CHAIN MANAGEMENT SPECIALIZATION**

COURSE CODE	COURSE TITLE	CREDIT HOURS
ABM-724	Agricultural Price Analysis	3(3-0)
ABM-725	Value chain management and analysis	3(3-0)
ABM-726	Sales and Retail Management	3(3-0)
ABM-727	Logistics and Operations Management in Agribusiness	3(3-0)
ABM-728	Food Chain Management	3(3-0)

**Note:** Internship and research project will be the complementary part of the degree. However, MBA executive students will be exempted from internship.





**List of Courses for  
Postgraduate Degree Programs**

**Faculty of Social Science  
and Humanities**

**(AGRICULTURAL EXTENSION)**

**COMPULSORY MAJOR COURSES**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>
EXT-701	Extension Education Methods	3(2-1)
EXT-702	Programme Planning in Agricultural Extension	3(2-1)
EXT-716	Advanced Positivistic Research in Agricultural Extension	3(2-1)
EXT-718	Interviewing and Communication Skills	3(2-1)
EXT-719	Special Problem	1(1-0)
EXT-720	Seminar	1(1-0)
EXT-721	Agricultural Finance Management	3(3-0)
EXT-730	Research and Thesis	6(0-6)

**COMPULSORY MINOR COURSES**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>
STAT-705	Statistical Methods in Social Sciences	3(3-0)



**List of Courses for  
Postgraduate Degree Programs**

**Faculty of Social Science  
and Humanities**

**(AGRICULTURAL EXTENSION)**

**ELECTIVE COURSES**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>
EXT-703	Supervised Field Experience	3(1-2)
EXT-704	Monitoring and Evaluation in Agricultural Extension	3(2-1)
EXT-705	Communication Strategies in Agricultural Extension	3(2-1)
EXT-706	Sustainable Rural Livelihood	3(3-0)
EXT-707	Scientific and Technical Writing	3(2-1)
EXT-708	Application of Information and Communication Technologies (ICTs) in Agricultural Extension	3(2-1)
EXT-709	Human Resource Development	3(2-1)
EXT-710	Gender Mainstreaming for Community Development	3(2-1)
EXT-711	International Agricultural Extension Systems	3(2-1)
EXT-712	Psychology of Adult Learning and Continuing Education	3(2-1)
EXT-713	Extension Management and Administration	3(3-0)
EXT-714	Managing Learning Experiences in Agricultural Extension Education	3(3-0)
EXT-715	Diffusion and Adoption of Innovations	3(2-1)
EXT-717	Qualitative Research Methods	3(2-1)



# Institute of Computing





**Prof. DR. SALMAN QADRI**  
**Professor & Director**

## Director Message:

Welcome to the Institute of Computing (IOC). At IOC, our dedicated faculty members are committed to exploring innovative approaches in collaboration with industry, as well as national and international organizations. Our research is focused on solving community problems using cutting-edge computing technologies, with a strong emphasis on addressing local issues.

Established in 2023, the Institute of Computing stands as an independent and prestigious entity. Our energetic team comprises 17 faculty members with diverse expertise in Artificial Intelligence, Computer Vision, IoT, Computer Networks, Software Engineering, Natural Language Processing, Cyber Security, and Databases.

We actively encourage our students to participate in international hackathons and competitions, fostering a spirit of innovation and excellence. Since 2019, we have consecutively won regional positions at the Microsoft Imagine Cup and secured the National position in 2023. Our team achieved first place at the National Level in the Berlin Falling Walls Idea Pitch competition.

We look forward to your contributions and achievements as part of the IOC family.



### Vision

To develop a Centre of excellence for Education, Research and Innovation in Computer Technology by developing Effective Systems and provision of Services for Agriculture development.



### Mission

To empower society with computer technology and skills to take knowledge-based decisions for ensuring sustainable growth and community development. This can be witnessed by career satisfaction, role in management and leadership level of graduates in respective professions.



**DR. SALMAN QADRI**  
Professor & Director

✉ [salman.qadri@mnsuam.edu.pk](mailto:salman.qadri@mnsuam.edu.pk) 🎓 Ph.D.

💡 Computer Vision, Precision Agriculture, Digital Health & Software Engineering



**DR. ABDUL RAZZAQ**  
Associate Professor

✉ [abdul.razzaq@mnsuam.edu.pk](mailto:abdul.razzaq@mnsuam.edu.pk) 🎓 Ph.D.

💡 Skeleton Extraction and Animation, Digital Image Processing & Machine Learning



**DR. AAMIR HUSSAIN**  
Assistant Professor

✉ [aamir.hussain@mnsuam.edu.pk](mailto:aamir.hussain@mnsuam.edu.pk) 🎓 Ph.D.

💡 Physiological Signal Processing, Wearable Computing, Cyber Security, and Precision Agriculture



**DR. NADEEM IQBAL**  
Assistant Professor

✉ [nadeem.iqbal@mnsuam.edu.pk](mailto:nadeem.iqbal@mnsuam.edu.pk) 🎓 Ph.D.

💡 Geometric Deep Learning, Machine Learning, HCI, Neural Networks, Digital Humanities,



**MR. ADNAN ALTAF**  
Lecturer (Ex-Pakistan Study Leave)

✉ [adnan.altaf@mnsuam.edu.pk](mailto:adnan.altaf@mnsuam.edu.pk) 🎓 MS Computer Engineering

💡 Digital Image Processing



**MR. ISRAR HUSSAIN**  
Lecturer

✉ [israr.hussain@mnsuam.edu.pk](mailto:israr.hussain@mnsuam.edu.pk) 🎓 MS Information Technology

💡 Semantic Web and Database



**MS. JAVERIA JABEEN**  
Lecturer

✉ [javeria.jabeen@mnsuam.edu.pk](mailto:javeria.jabeen@mnsuam.edu.pk) 🎓 MS Computer Science

💡 Software Engineering



**MR. MUHAMMAD AZIZ UR REHMAN**  
Lecturer

✉ [aziz.chauhdhary@mnsuam.edu.pk](mailto:aziz.chauhdhary@mnsuam.edu.pk) 🎓 MS Computer Science

💡 Data Science, Digital Image Processing, Machine Learning, System Analysis



**MR. MUHAMMAD AHSAN JAMIL**  
Lecturer

✉ [ahsan.jamil@mnsuam.edu.pk](mailto:ahsan.jamil@mnsuam.edu.pk) 🎓 MS Information Technology

💡 IoT, Machine Learning

# Institute of Computing

Computer Science, Information Technology, Data Science



**MR. MUHAMMAD YASIR KHAN**  
Lecturer

✉ [yasir.khan@mnsuam.edu.pk](mailto:yasir.khan@mnsuam.edu.pk)

🎓 MS Computer Science

💡 IoT, Machine Learning



**MR. MUHAMMAD NASIR SIDDIQUE**  
Lecturer

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🎓 MS Computer Science

💡 Networking, Machine Learning



**MS. MANAL AHMAD**  
Research Officer

✉ [manal.ahmad@mnsuam.edu.pk](mailto:manal.ahmad@mnsuam.edu.pk)

🎓 MS Computer Science

💡 Data Science, Machine Learning



**MR. MUHAMMAD SHEHZAD**  
Research Officer

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🎓 M.Phil

💡 Artificial Intelligence, Machine Learning, Deep Learning



**MS. RAMSHA AHMAD**  
Research Officer

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🎓 MS Computer Science

💡 Artificial Intelligence, Machine Learning, Text Mining, Bioinformatics











Microsoft

Imagine Cup



1<sup>st</sup> Place Imagine Cup

**National Winner Pakistan**

Earth Category

Team Name:

Smart Fruity Bytes









## List of Courses for Postgraduate Degree Programs

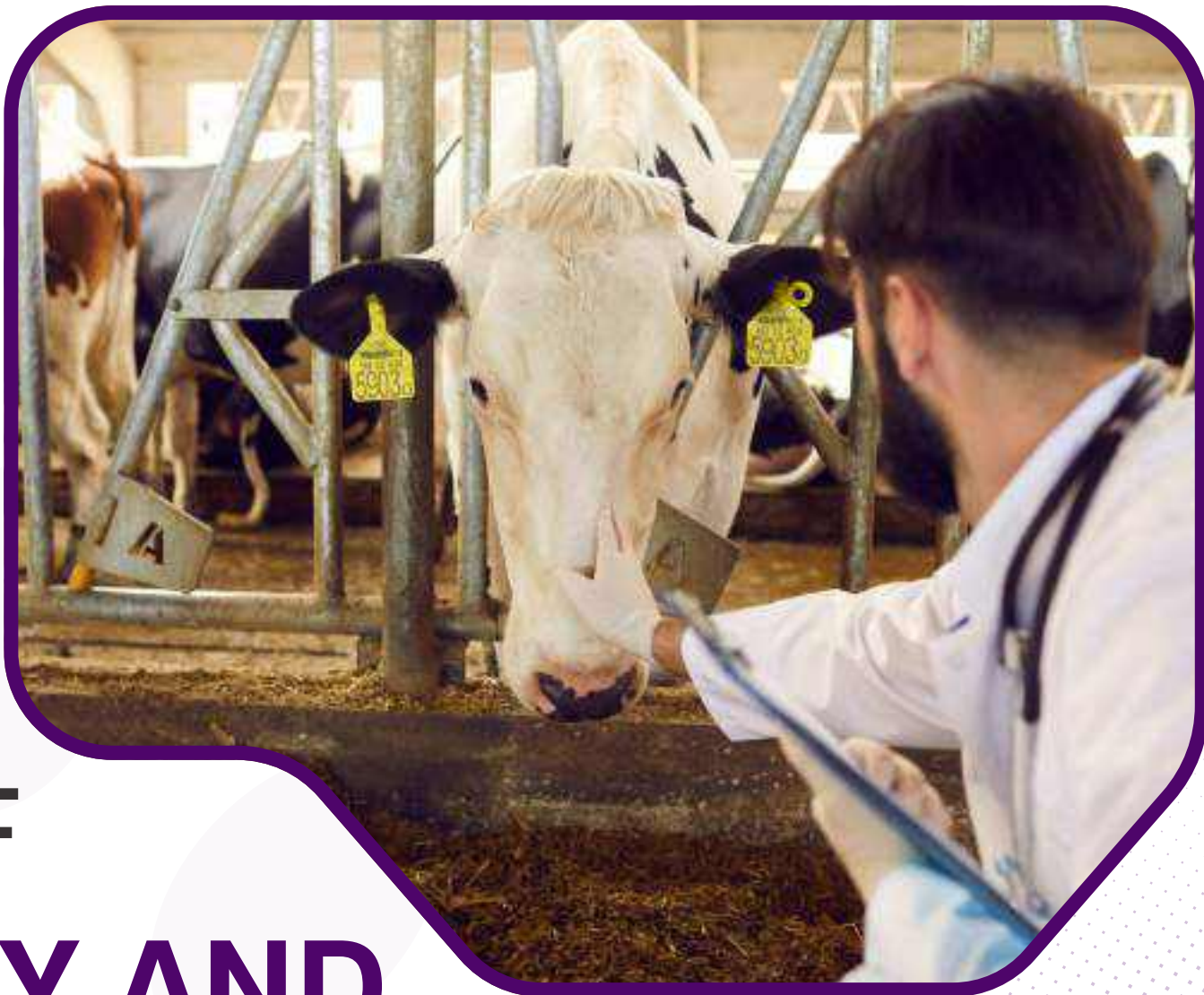
## INSTITUTE OF COMPUTING

### COMPUTER SCIENCE

COURSE CODE	COURSE TITLE	CREDIT HOURS
CS-701	Advanced Analysis of Algorithms **	3(3-0)
CS-702	Advanced Operating Systems **	3(3-0)
CS-703	Theory of Programming Languages **	3(3-0)
CS-704	Research Methodology	3(3-0)
CS-705	Advanced Computer Architecture **	3(3-0)
CS-706	Machine Learning	3(2-1)
CS-707	Advanced Theory of Automata **	3(3-0)
CS-708	Emerging Trends in Big Data Analytics	3(3-0)
CS-709	Computer Vision	3(2-1)
CS-710	Advance Topics in Deep Learning	3(2-1)
CS-711	Complexity of Computation	3(3-0)
CS-712	Advanced Computer Modeling and Simulation *	3(3-0)
CS-713	Advanced Machine Vision Approaches	3(2-1)
CS-714	Business Intelligence and Analytics	3(2-1)
CS-715	Remote Sensing and GIS Application in Agriculture	3(2-1)
CS-716	Advanced Pattern Recognition	3(2-1)
CS-717	Advanced Information Retrieval	3(3-0)
CS-719	Special Problem	1(1-0)
CS-720	Seminar	1(1-0)

\* These courses are the core for Doctor of Philosophy in Computer Science Degree Program.

\*\* These courses are the core for MS Computer Science Degree Program.



# FACULTY OF VETERINARY AND ANIMAL SCIENCES





**PROF. DR. MUHAMMAD ASIF RAZA**  
**DEAN FVAS**

### Dean's Message

Welcome to the Faculty of Veterinary and Animal Sciences. I am honored to serve as Dean and to lead our efforts in Veterinary Sciences, Biomedical education, community outreach, and research in different areas. Faculty of Veterinary and Animal Sciences offers different Undergraduate and Postgraduate programs related to the domain of Life Sciences, Public Health, and Biomedical Sciences through a combination of traditional and innovative technological approaches for excellent teaching and learning. Collectively, our students benefited from the expertise and experience of our highly talented faculty members and the rich collaborative environment. As we focus on producing exceptional Animal Scientists, Specialists, and Biomedical Researchers, our administrative team and our faculty members never forget that academic excellence must be matched by passion, integrity, and professionalism. Our future depends on producing not only future scientists, but also leaders who will play an important role in ensuring Food Security, health, and well-being. We are committed to diversity and inclusion in our workplace and within our students and to ensuring that our Faculty is a place where every member of our Faculty family feels valued, seen, heard, and always welcomed. We appreciate your interest in our Faculty and invite you to visit or contact us for additional information.



The Faculty of Veterinary and Animal Sciences (FVAS) was established during the academic year 2019–2020 as the 4th faculty of MNS University of Agriculture, Multan. The faculty has an outstanding and dedicated team of 26 faculty members (14 PhDs and 12 non-PhDs) with diverse backgrounds and academic experiences from world-renowned universities in Germany, France, China, and Turkey. The faculty is aimed to earn a repute of excellence with intellect and future foresight. Faculty of Veterinary and Animal Sciences is comprised of following eight departments as approved by University Syndicate.

1. Department of Anatomy
2. Department of Clinical Sciences
3. Department of Pathobiology
4. Department of Animal Feed and Production
5. Department of Poultry Science
6. Department of Fisheries and Aquaculture
7. Department of Biotechnology and Biochemistry
8. Department of Pharmacology and Physiology

### **Programs Offered at Main Campus:**

Following postgraduate degree programs are being offer in the Faculty of Veterinary and Animal Sciences.

### **Postgraduate programs**

1. MS Poultry Science

# Department of Poultry Science

Ever growing Pakistan Poultry Industry needs skilled human resource. To cater this need, Department of Poultry Science was established in 2018 in the Faculty of Veterinary and Animal Science, MNS-UAM, Multan, which is focused on providing the qualified and trained manpower to smoothly address the issues at commercial farming level as well as initiating the problem-oriented research work to benefit the industry that can be devised through implementing effective strategies for enhancing poultry production and minimizing the constraints in poultry sector. The Department is facilitated with one undergraduate and one post graduate laboratory. The Department of Poultry Science is successfully running a B.Sc. (Hons.) and MS programs. The students of B.Sc. (Hons.) and MS Poultry Science will serve the Pakistan Poultry Industry in better way

## Program Offered

- **MS Poultry Science**



### Vision

To combat the challenges of food security and nutritional deficiency through sustainable poultry production



### Mission

To produce professionals competitive in poultry husbandry practices, modern and rural farming systems, poultry nutrition and disease management.

To provide students with advanced knowledge of precision poultry production in changing climate scenarios and training in entrepreneurial concepts for national development.

# Department of Poultry Science




**PROF. DR. JUNAID ALI KHAN**  
Chairman (Additional Charge)

 [junaidali.khan@mnsuam.edu.pk](mailto:junaidali.khan@mnsuam.edu.pk)  Ph.D  
Post Doc

 Endocrine and metabolic physiology



**DR. ATIF REHMAN**  
Assistant Professor

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 Poultry Production, Poultry Nutrition





# Department of Zoology, Wildlife and Fisheries

Fisheries and aquaculture is among the significant economic sector in Pakistan, contributing in revenue generation, employment, poverty alleviation, and export revenues. Pakistan is gifted with large fishing resources. Fisheries sector has a significant contribution in the national economy, disbursing about one percent to GDP and providing jobs opportunities to about one percent of the country's man power. Likewise, aquaculture is the fastest developing section of the agriculture industry. Attached with new emerging skills of the day, it has become one of the most expanding and rapidly changing fields. The Department is carrying out teaching and research in both basic and applied aspects in different areas such as fresh water biology, shrimp farming, development of cost effective fish feed, fish breeding, aquaculture biotechnology, aquatic environment, fish disease management, use of bio-fertilizers in aquaculture, saline water fisheries. Our programs prepare students to address and provide immediate solution to major problems and challenges faced by Fish Farmers in Pakistan. We conduct research that drives innovation and new technologies, expands understanding and provides science-based information to solve problems. After graduation, our students will be able to serve in Government institutes such as Fisheries Research Institute, Fish Hatcheries and Laboratories and Private sector, research, academia, industry and advisory. Currently, we have completed research projects funded by Higher Education Commission (HEC), Pakistan. The construction of the new academic block and research laboratories has further strengthened our research and teaching activities. We are also organizing seminars, conferences and workshops to share thought provoking ideas.



## Vision

To create significant knowledge and conduct innovative research to impart exemplary education to address the challenges of food security



## Mission

To produce competent graduates and visionary zoologists for the conservation of natural resources in the context of zero hunger goal

# Department of Zoology, Wildlife and Fisheries



**DR. MUHAMMAD ASIF RAZA**  
Professor and Chairman

[asif\\_raza@mnsuam.edu.pk](mailto:asif_raza@mnsuam.edu.pk)



Epidemiology (molecular) of public health, concerned pathogen, Drug development/ Ethno-Medicine, Parasitology



**DR. NAHEED BANO**  
Assistant Professor

[naheed.bano@mnsuam.edu.pk](mailto:naheed.bano@mnsuam.edu.pk)



Freshwater fisheries, Fish farm management



**MS. AMINA IRFAN**  
Lecturer (Study Leave)

[irfan@mnuam.edu.pk](mailto:irfan@mnuam.edu.pk)



Zoology



**DR. KASHIF MANZOOR**  
IPFP Fellow

[kashif.manzoor@mnuam.edu.pk](mailto:kashif.manzoor@mnuam.edu.pk)



Fish Microbiology, Molecular Genetics, Fish Nutrition



# Department of Pathobiology

Needless to say, that the importance of Public Health is many times more in the 21st century compared to the previous years. The causes of almost all epidemics are found in animal and human interactions. The rise of epidemics, ills of improper diet and unhealthy lifestyles have necessitated the development of an effective public health system. Citizens, including leadership, do not comprehend the difference between the medical care and the Public Health Care. In Pakistan, our attention has been on medical care and not on public health care system with the result each time an epidemic or a disease surface it shakes the society and governments. This is the time to build broader capacity and bring needed reforms in various aspects of our public health care system such as policy education programs, research, concept of prevention and one health concept from global health perspective. One health is a hot public health concept in modern world where human, veterinary, environmental, nutritional, agricultural, microbiology, IT and social aspects of health should be addressed under one umbrella. MNSUAM has a strong agricultural, veterinary, nutritional and IT programs which provides the basic platform to run the MSPH degree. Also, we have already running a collaborative degree in Nutrition and Dietetics with Nishtar Medical university which can provide us support in regards to human health courses of MSPH program. Also the university is also providing services on diagnostics and management of dengue. Unlike many other MSPH programs going on in Pakistan, our research based MSPH degree is designed to develop knowledge and capacity keeping in view the concept of one health best suited to the resources available at MNSUAM.



## Vision

To generate and disseminate significant knowledge of biomedical and veterinary sciences and offer exemplary education to contribute to and innovatively influence national development



## Mission

To produce highly skilled graduates to ensure human well-being and to combat challenges of food security through multidisciplinary scientific approaches



# Department of Pathobiology



**DR. MUHAMMAD ASIF RAZA**  
Professor and Chairman

✉ [asif.raza@mnsuam.edu.pk](mailto:asif.raza@mnsuam.edu.pk) Ph.D (Germany),  
Post Doc (Mexico),  
CaBEA (South Korea)  
 Epidemiology (molecular) of public health, concerned pathogen,  
Drug development/ Ethno-Medicine, Parasitology



**DR. ASGHAR ABBAS**  
Assistant Professor

✉ [asghar.abbas@mnsuam.edu.pk](mailto:asghar.abbas@mnsuam.edu.pk) Ph.D  
 Parasitology, Ethno-Medicine, Immunology



**DR. HAFIZ MUHAMMAD ISHAQ**  
Assistant Professor

✉ [hafiz.ishaq@mnsuam.edu.pk](mailto:hafiz.ishaq@mnsuam.edu.pk) Ph.D.  
 Microbiology



**DR. KASHIF HUSSAIN**  
Assistant Professor

✉ [kashif.hussain@mnsuam.edu.pk](mailto:kashif.hussain@mnsuam.edu.pk) Ph.D  
 Parasitology



**MR. WAQAR ZAIB**  
Lecturer (Study Leave)

✉ [waqar.zaib@mnsuam.edu.pk](mailto:waqar.zaib@mnsuam.edu.pk) M.Sc. (Hons.)  
 Microbiology



**MR. MUHAMMAD UMAIR WAQAS**  
Lecturer (Study Leave)

✉ [umair.waqas@mnsuam.edu.pk](mailto:umair.waqas@mnsuam.edu.pk) M.Phil.  
 Public Health



**DR. AHSAN ANJUM**  
Lecturer

✉ [ahsan.anjum@mnsuam.edu.pk](mailto:ahsan.anjum@mnsuam.edu.pk) Ph.D  
 Pathology, Histopathology and Histotechnology, Hematology,  
Clinical Pathology, Cytology and Cytogenetics,  
Forensic Pathology















**List of Courses for  
Postgraduate Degree Programs**

**FACULTY OF  
VETERINARY AND  
ANIMAL SCIENCES  
(MS POULTRY  
SCIENCES)**

**Major Courses**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>
PS-701	Poultry Breeding and Production	3(2-1)
PS-702	Hatchery Operation and Management	3(2-1)
PS-703	Poultry Housing and Environment	3(2-1)
PS-705	Poultry Feeding Management	3(2-1)
PS-707	Poultry Health and Hygiene	3(2-1)
PS-719	Special Problem	1(1-0)
PS-720	Seminar	1(1-0)



## List of Courses for Postgraduate Degree Programs

### FACULTY OF VETERINARY AND ANIMAL SCIENCES (MS POULTRY SCIENCES)

#### Elective Courses

COURSE CODE	COURSE TITLE	CREDIT HOURS
PS-704	Egg and Egg Products	2(1-1)
PS-706	Poultry Meat and Meat Products	3(2-1)
PS-708	Advanced Poultry Production	3(2-1)
PS-709	Avian Physiology	2(1-1)
PS-710	Avian Embryology	2(1-1)
PS-711	Recent Advances in Poultry Sciences	3(2-1)
PS-712	Quail Farming	3(2-1)
PS-713	Organic Poultry Farming	3(2-1)
PS-714	Backyard Poultry Production	2(1-1)
PS-715	Biosecurity of Poultry Enterprises	3(2-1)
PS-716	Poultry Business Dynamics	3(2-1)
PS-717	Poultry Behavior and Welfare	2(1-1)



# FACULTY OF AGRICULTURAL, BIOSYSTEMS ENGINEERING & TECHNOLOGY (FABSET)





### Coordinator's Message:

The Faculty of Agricultural Biosystems Engineering and Technology at MNSUAM is dedicated to delivering a globally competitive education, supported by modern infrastructure, innovative teaching models, and impactful research. The internationally trained faculty aims to develop engineers and technologists with strong technical expertise, entrepreneurial skills, and ethical values to address the evolving needs of Pakistan's agriculture and agro-based industries. As a proud member of the MNSUAM family, we uphold excellence, innovation, collaboration, and student-centered learning, while fostering diversity, integrity, and mutual respect in a culture dedicated to academic and personal growth. The faculty offers a range of programs aligned with national accreditation bodies (HEC, PEC, NTC) and developed in collaboration with industry stakeholders. These include:

#### Undergraduate Programs:

- BSc Agro-Industrial Engineering Technology (AIET), launched in Winter 2018 and recognized by NTC, with high industry placement during internships.
- BSc Agricultural Engineering, launched in Winter 2024, accredited by PEC, offering broad career prospects.

#### Postgraduate Programs (launched in Winter 2022 with HEC approval):

- MSc (Hons) Agro-Industrial Engineering Technology
- MSc (Hons) Agricultural Engineering
- MSc (Hons) Energy Systems Engineering

The faculty promotes Outcome-Based Education (OBE) to meet international standards and emphasizes innovation, critical thinking, and real-world problem-solving. Alumni are successfully contributing to industry and academia, both nationally and internationally. The Dean invites students, researchers, industry leaders, and policymakers to join hands in driving sustainable transformation across Pakistan's agricultural and industrial sectors.



**Prof. Dr. Umar  
Farooq**

Faculty Coordinator / Interim Dean  
Faculty of Agricultural Biosystems Engineering and Technology  
MNS University of Agriculture, Multan (MNSUAM)





# Department of **Agricultural Engineering**





## Department Introduction:

The economy of Pakistan is primarily based on agriculture, which is contributing about 21% to its GDP, employing 45% of its workforce, and providing livelihood to more than 67% of its population, mostly primarily residing in rural areas. Contribution of this sector in the national economy is heavily dependent on adequate supply of irrigation water, state-of-the-art as well as low-cost farm equipment and structures, and safe environment. At the same time, it is also needed to provide alternative energy sources and post-harvest food preservation technologies to ensure food security as the post-harvest losses in fruits and vegetables reduce production by 25–40%.

To cater the need of technological advancement and mechanization in the agriculture sector, the Department of Agricultural Engineering was established at Muhammad Nawaz Shareef University of Agriculture, Multan (MNS-UAM). Over the years, the department has developed an advanced infrastructure, hired qualified and accomplished faculty, and established well-equipped laboratories for comprehensive training in water mechanization, environmental, industrial, and computer modeling aspects of agriculture. The department aims to excel in academic professionalism and entrepreneurial development in agricultural engineering and has opened its doors to the public to initiate dialogue through university-industry linkage, outreach programs, internship for students and MOUs with public/private sectors.

### List of Postgraduate Degree Programs Offered:

1. M.Sc. (Hons) Agro Industrial Engineering Technology
2. M.Sc. (Hons) Agricultural Engineering
3. M.Sc. (Hons) Energy System



## Vision

Be a leading source of knowledge and support for Agro-Industry by developing innovative technologies through advanced research and producing qualified professionals with a problem-solving approach.



## Mission

Develop and promote the latest techniques in Agricultural Engineering with respect to water use efficiency, farm mechanization, irrigation, agriculture processing, and natural resource management.





## 1. M.Sc. (Hons) Agro Industrial Engineering Technology

Agriculture industries convert raw agricultural materials into value-added products by industrial and process technologies. Agro-based industries (AIs) create employment and generate income for both farming and non-farming community. Competitive AIs also enhance the quality of the products besides creating income opportunities. These industries have the potential for a significant global impact on economic development and poverty reduction in both urban and rural communities. However, the full potential of AIs as an engine for economic growth has not yet been realized in Pakistan.

South Punjab has a cluster of AIs. These industries are facing serious difficulties due to the non-availability of relevant experts/technologists/engineers having hands-on skills to support their operational system. The department of agricultural engineering, MNS-UAM has been already successfully launched a BSc Agro-industrial Engineering Technology Program since 2018. As per the need and scope of the advanced industry-based solutions, a postgraduate Program entitled M.Sc. (Hons.) Agro-industrial Engineering Technology is proposed.

The MSc (Hons.) Agro-Industrial Engineering Technology Program curriculum has been developed in consultation with experts of agro-industries. The program offers strong industrial oriented education augmented with formal industrial research with multi-domain knowledge. It is believed that trained industry-specific experts would help decrease the cost of production and increase quality of industry produce. High-quality products would increase export, resultantly adding significant value to the national economy.

### a) Entry/Admission Requirements

- Four year “Agro Industrial Engineering Technology, Industrial Engineering Technology, Chemical Engineering Technology, Mechanical Engineering Technology, Food Science/Technology, Energy Engineering Technology and Industrial Engineering, Industrial Manufacturing Engineering, Industrial Engineering Management, Agricultural Engineering, Chemical Engineering, Mechanical Engineering, Energy Systems/Energy Engineering, Environmental Engineering, Food Engineering” from HEC recognized University/Institute.
- Minimum CGPA of 2.50 out of 4.0 in bachelor's degree programs. Students from the annual system must have a minimum score of 60%. The percentage score will be considered only if the CGPA is not recorded/mentioned on the transcript.
- Entry Test: As per MNSUAM policy





## 2. M.Sc. (Hons) Agricultural Engineering

Pakistan is an agricultural country. The southern region of the country is rich in agriculture and has strong cluster of agro-based industry. Being major employers for local manpower, both sectors are facing serious issues related to modern technologies and mechanization. For instance, the developed world has already adapted techniques based on energy efficient technologies in farm mechanization and smart agriculture. These modern approaches for the management of agricultural farms ensure higher energy efficiency and productivity. Similarly, a big cluster of agro-based industry seeks experts for immediate assistance in research and innovations. M.Sc. (Hons.) Agri. Engg. program at MNS-UAM has been specifically designed to meet the urgent need of smart solutions in the said area. MNS-UAM has already made multiple agreements with foreign institutions and has clear vision to produce engineers possessing specialized skills to meet the specific regional need.

The program aims to produce future agricultural engineers capable of introducing new methods of advanced agriculture and machinery in order to reduce dependence on manpower. In addition, they will be trained to improve water use efficiency and instigate advanced harvesting methods by adopting latest technologies. Moreover, the advancement in post harvesting techniques, energy conservation, and environmental monitoring and management are other important features of this program.

It is an award of agricultural engineering that our country is producing enough quantity of vegetables, fruits, and other natural crops of export quality. The demand of Agricultural Engineering is increasing day by day in Pakistan as the major portion of income comes from export of crops. The present and projected agricultural activities of the region demand a vibrant Agricultural Engineering program. Conclusively, M.Sc. (Hons.) Agri. Engg. Program at MNS-UAM will play a great role in meeting the needs of the region.

### a) Entry/Admission Requirements

At the time of admission, the students must have:

- Four years Bachelor's degree in Agricultural/Civil/Mechanical/Water Resource Engineering from HEC recognized University/Institute.
- Minimum CGPA of 2.50 out of 4.0 in bachelor degree programs. Student from annual system must have minimum score of 60%. The percentage score will be considered only if the CGPA is not recorded/mentioned on the transcript.
- Entry Test: As per MNSUAM policy





### 3. M.Sc. (Hons) Energy Systems Engineering

Pakistan's economy has been growing at an average growth rate of almost three percent for the last four years. The demand for energy at the production and consumer end is increasing rapidly. Knowing that there is a strong relationship between economic growth and energy demand, the government is making all possible efforts to address the challenges of rising energy demand. The potential exists for almost all types of renewable energies in Pakistan. These types include solar (PV and thermal), wind, biogas, micro-hydel/canal fall, biodiesel production, biomass/waste-to-energy production, geothermal, tidal/ocean energies, etc. On average, solar global insolation of 5–7 kWh/m<sup>2</sup>/day exists in the country over more than 95% of its area. Solar thermal applications can be used for steam generation, power generation, food processing, and essential oils extraction from medicinal plants. Wind speeds of 5–7 m/s persist in coastal regions of Sindh and Balochistan provinces and in several Northwest frontier valleys. According to a survey, Pakistan possesses more than 50,000 MW of economically viable wind power potential. Huge untapped coal resources, approximately 185 billion tonnes lying unintended in Thar Sindh, can be explored and utilized to generate power to meet national energy needs.

A huge amount of bio-waste from the agriculture industry and households is another energy source that can produce more than 3000 MW in Pakistan. The energy produced from the biomass can be easily consumed in farm engines to pump water and other farm power operations. Additionally, the sugar mills producing biomass from sugarcane as a byproduct can be utilized to produce electricity.

#### a) Entry/Admission Requirements

- All four year Engineering Programs accredited by Pakistan Engineering Council
- Minimum CGPA of 2.50 out of 4.00 and Student from annual system must have minimum score of 60%. The percentage score will be considered only if the CGPA is not recorded/mentioned on the transcript.
- Entry Test: GAT (General) test administered by Education Testing Council or by University/Department as per MNSUAM policy.

# Department of Agricultural Engineering



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💡 [Water Resource Engineering and Wastewater Treatment](#)



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💡 [Condense Matter Physics](#)



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💡 [Groundwater, climate change, numerical modelling](#)



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# Department of Agricultural Engineering



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Energy and Environment



**ENGR. SAQIB YASEEN**

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**MR. NOOR AHMED NOOR KHAN**

Lab Engineer

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## List of Courses for Postgraduate Degree Programs

### FACULTY OF AGRICULTURAL, BIOSYSTEMS ENGINEERING & TECHNOLOGY (FABSET)

## M.Sc. (Hons) Agro Industrial Engineering Technology

Course Code	Course Title	Credit Hours
AIET-701	Industrial Energy Management	3(2-1)
AIET-702	Process Integration and Sustainability	3(2-1)
AIET-703	Agro-Industrial Waste Management	3(2-1)
AIET-704	International Industrial Standards and Quality Control	3(2-1)
AIET-705	Optimization Theory and Applications	3(2-1)
AIET-706	Heating, Ventilation and Air Conditioning	3(2-1)
AIET-707	Livestock Engineering Technology	3(2-1)
AIET-708	Feed Technology and Facilities	3(2-1)
AIET-709	Plant Oil Extraction and Processing Technology	3(2-1)
AIET-710	Project Management	3(2-1)
AIET-719	Special Problem	1(1-0)
AIET-720	Seminar	1(1-0)
AIET-730	Research and Thesis	6(0-6)

### Compulsory Minor

Course Code	Course Title	Credit Hours
STAT-707	Statistics for Engineers and Technologists	3(2-1)
CS-701	Computer Programming	3(2-1)



## List of Courses for Postgraduate Degree Programs

## FACULTY OF AGRICULTURAL, BIOSYSTEMS ENGINEERING & TECHNOLOGY (FABSET)

## M.Sc. (Hons) Agricultural Engineering

Sr. No.	Course Code	Course Title	Credit Hours
1	AE-701	Planning and Design of Irrigation and Drainage Projects	3(2-1)
2	AE-702	Design of Hydraulic Structures	3(2-1)
3	AE-703	Advanced Agricultural Mechanization	3(2-1)
4	AE-704	Systems Modelling and Simulation	3(2-1)
5	AE-705	Groundwater Modelling	3(2-1)
6	AE-706	Engineering Hydrology and Modelling	3(2-1)
7	AE-707	Remote Sensing and GIS application for water management	3(2-1)
8	AE-708	Design and Implementation of High Efficiency Irrigation Systems	3(2-1)
9	AE-709	Wastewater Treatment and Implementation in Agriculture	3(2-1)
10	AE-710	Tillage and Traction Dynamics	3(2-1)
11	AE-711	Agricultural Processing and Storage	3(2-1)
12	AE-712	Advanced Robotics and Automation in Agriculture	3(2-1)
13	AE-713	Heat and Mass Transfer	3(2-1)
14	AE-719	Special Problem	1(1-0)
15	AE-720	Seminar	1(1-0)
16	AE-730	Research and Thesis	6(0-6)

### Compulsory Minor

Sr. No.	Course Code	Course Title	Credit Hours
17	STAT-707	Statistics for Engineers and Technologists	3(2-1)
18	CS-701	Computer Programming	3(2-1)





## List of Courses for Postgraduate Degree Programs

### FACULTY OF AGRICULTURAL, BIOSYSTEMS ENGINEERING & TECHNOLOGY (FABSET)

## M.Sc. (Hons) Energy Systems Engineering

Course Code	Course Title	Credit Hours
ESE-701	Energy Audit and Management	3(2-1)
ESE-702	Solar Engineering	3(2-1)
ESE-703	Bio Energy Engineering	3(2-1)
ESE-704	Hybrid Power Sources	3(2-1)
ESE-705	Hydro Power Plants	3(2-1)
ESE-706	Wind Energy Engineering	3(2-1)
ESE-707	Instrumentation in Energy Systems	3(2-1)
ESE-708	Combustion and Pollution Control	3(2-1)
ESE-709	Development and Evaluation of Energy Projects	3(2-1)
ESE-710	Fluid Flow and Heat Transfer	3(2-1)
ESE-711	Nuclear Power Plant Engineering	3(3-0)
AIET-706	Heating, Ventilation and Air Conditioning	3(2-1)
AE-704	Systems Modelling and Simulation	3(2-1)
ESE-719	Special Problem	1(1-0)
ESE-720	Seminar	1(1-0)
ESE-730	Research and Thesis	6(0-6)

### Compulsory Minor

Course Code	Course Title	Credit Hours
STAT-707	Statistics for Engineers and Technologists	3(2-1)
CS-701	Computer Programming	3(2-1)



## Programs Offered

- **M.Sc. (Hons.)**

Agronomy, Entomology, Food Science and Technology, Horticulture, Plant Breeding and Genetics, Soil Science, Plant Pathology, Seed Science and Technology, Biotechnology, Climate Change, Weeds Science, Human Nutrition and Dietetics, Agricultural Economics, Agricultural Engineering, Agro Industrial Engineering Technology, Energy System Agriculture Extension

- **MS**

Computer Sciences, Management – Agribusiness Specialization, Poultry Science

- **Ph.D**

Agronomy, Biotechnology, Entomology, Food Science and Technology, Horticulture, Plant Breeding and Genetics, Plant Pathology, Seed Science and Technology, Soil Science, Human Nutrition and Dietetics, Agricultural Economics, Computer Science

- **MBA**

Regular, Executive



# Refund Policy

**The refund amount of Tuition Fee is subject to the following schedule:**

Sr. No.	Timeline	Percentage of Fee Refund
1	Upto 10th day of commencement of classes	100% fee refund
2	Upto 15th day of commencement of classes	80% fee refund
3	Upto 20th day of commencement of classes	60% fee refund
4	Upto 30th day of commencement of classes	50% fee refund
5	31st day onwards of commencement of classes	No refund

**Note:** The timelines for refund of tuition fee are inclusive of the weekends.





## Forms for Postgraduate Students

### Declaration Postgraduate students [MSc (Hons)/MS/M Phil]

I hereby declare that the contents of the thesis, "\_\_\_\_\_" are product of my own research and no part has been copied from any published source (except the references, standard mathematical or genetic models/ equations/ formulae/protocols etc.). I further declare that this work has not been submitted for award of any other diploma/degree. The University may take action if the information provided is found incorrect at any stage".

Signature

(Name of the student)



# Affidavit (I)

## **Declaration to be Submitted on a Judicial Paper at the Time of Enrolment in the Office Of Director Graduate Studies, MNS University of Agriculture, Multan.**

### **1. On admission to the privilege of being a student I shall undertake to abide by the following:**

- 1.1. That during my stay in the University I shall diligently apply myself to acquire and develop and skills necessary for the practice and advancement of the field of study in which I am enrolled;
- 1.2 I shall participate fully and whole heartedly in sports, games, extra-curricular activities as would be compatible with my physical traits and mental aptitude;
- 1.3 I shall have minimum attendance of 75% in order to qualify in the examination;
- 1.4 That I shall maintain identity as student of the University by wearing of the gown and / or badge as may be prescribed by the University;
- 1.5 That I shall never use violence or threat of violence or pressure, and in any dispute with others all means and methods shall only be logic, persuasion, petition, appeal, revision, review and other legal and peaceful methods for the settlement of differences and disputes;
- 1.6 That in case of a dispute, if any, with fellow students or teachers or employees of the University, I shall accept the judgment of the authorities constituted by the University for decision or settlement of the wrong doers;
- 1.7 That I shall abide by all provision of the statutes, regulations and rules enforce in the University or the statutes, regulation and rules as may hereafter be framed by the appropriate authorities of the University.
- 1.8 I shall not carry with me any objectionable material in the examination hall and shall volunteer to be searched, if necessary before entering examination hall;

### **2. Further, I undertake to refrain from:**

- 2.1 Hoing anything which may cause injury or insult to Head of the Institution, teachers, officers and other staff of the institution.
- 2.2 Holding a gathering or meeting or taking out processions in any part of University Campus other than areas specified for the purpose;
- 2.3 Indulge in any kind of unfair means, malpractice in examination and coercion by any means.
- 2.4 Allowing or abetting the entry to the premises of University of expelled students, anti-social elements or other groups presence of whom on the campus shall cause conflict amongst the students.
- 2.5 Bringing into the campus, consuming or encouraging consumption of alcoholic products, drugs and narcotics, and indulging in acts or moral turpitude;



# Affidavit (I)

- 2.6 Bring or keeping any type of weapons within the University premises;
- 2.7 Using or occupying any room or part of any building of the institution without lawful authority;
- 2.8 Misuse and damaging any University property, including building, equipment's vehicles, etc. in any manner;
- 2.9 Form all such acts and deeds as might bring discharge and bad name of the University.
- 2.10 Breach all such acts and deeds as might bring discharge and bad name of the University

## Modifications in Rules and Regulations

2.11 The rules and regulations governing various aspects of student's life at the University (such as discipline, admission, examination, migration, fees and charges etc.) are given in this prospectus as they stood at the time of its publication. There is no guarantee that these rules and regulations will remain unchanged throughout a student's stay at the University, nor does it in any way restrict or curtail the inherent powers for the University Authorities to modify them whenever in their judgment any modifications are called for, and to implement the modified rules and regulations from a date which they deem appropriate

Signature of Father/Guardian \_\_\_\_\_ Signature of Applicant

\_\_\_\_\_  
No. of National Identity Card of Father / Guardian \_\_\_\_\_ with place of issue

\_\_\_\_\_  
Dated \_\_\_\_\_





## Affidavit – Undertaking (II)

a. I, Mr./Ms. \_\_\_\_\_ CNIC No. \_\_\_\_\_  
Resident of (address with UC No.) \_\_\_\_\_  
do hereby declare on oath/solemn at \_\_\_\_\_ on \_\_\_\_\_  
that my University Regd. No. is and studying in \_\_\_\_\_  
course/if admitted in the University as student, will not indulge in “Politics.” In case on having been found indulging in “Politics” the findings/decision of the Vice Chancellor, MNS University of Agriculture, Multan (Head of Institution) shall be final and not be questioned except only before the Supreme Court of Pakistan. Moreover, I hereby declare on oath that I have not been on the pay roll of any Govt./private institution. If I am found involved in any kind of job/employment and do not have official NOC from concerned department for studying in University, the University reserves the right to cancel/withdraw/revoke my degree. The contents of above affidavit are true to the best of my knowledge and belief and nothing has been concealed.

### DEPONENT

b. I, Mr. \_\_\_\_\_ father/guardian of Mr./Miss \_\_\_\_\_  
do hereby declare at \_\_\_\_\_ on \_\_\_\_\_  
son/daughter/deponent will be final and shall not be questioned except before the Supreme Court of Pakistan.

### DEPONENT

**Attested by:**

**Oath Commissioner/Gazetted Officer/**

**Respective Nazim Union Council with Official Stamp**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_



# Affidavit – Undertaking (II)

## MNS UNIVERSITY OF AGRICULTURE, MULTAN Performa for Synopsis (GS/5) (Synopsis for MSc (Hons)/M Phil/MS/PhD)

Page I

Title \_\_\_\_\_

Name of student \_\_\_\_\_

Registration No. \_\_\_\_\_

Abstract \_\_\_\_\_  
\_\_\_\_\_

Page II

I. Title \_\_\_\_\_

- II. a) Date of Admission \_\_\_\_\_  
b) Date of Initiation (Research) \_\_\_\_\_  
c) Probable Duration (Research) \_\_\_\_\_

III. PERSONNEL:

Name of Student \_\_\_\_\_

- a) Registration Number \_\_\_\_\_  
b) Supervisory Committee

I. \_\_\_\_\_ (Supervisor)

II. \_\_\_\_\_ (Co-supervisor)

III. \_\_\_\_\_ (Member)

IV. \_\_\_\_\_ (Member)

IV. Need for project/Introduction \_\_\_\_\_

V. Review of Literature \_\_\_\_\_

VI. Materials and Methods/Methodology \_\_\_\_\_

VII. References/Literature Cited \_\_\_\_\_



# Affidavit – Undertaking (II)

(Supervisory Committee)

Name

- |          |               |
|----------|---------------|
| a. _____ | Supervisor    |
| b. _____ | Co-supervisor |
| c. _____ | Member        |
| d. _____ | Member        |

**Forwarded: Chairperson**

Department \_\_\_\_\_

**Faculty Scrutiny Committee:**

- |          |
|----------|
| a) _____ |
| b) _____ |
| c) _____ |
| d) _____ |

Reviewed and Witnessed: Dean Faculty of \_\_\_\_\_

## Instructions

All MSc (Hons)/M Phil/MS students have to submit their synopsis for their Dissertation preferably up to 2nd semester while PhD up to 3rd semester.

Abstract of the synopsis should be between 150 to 250 words.

Faculty scrutiny committee Member(s) should be other than supervisory committee.

Signature \_\_\_\_\_

## Role of the Faculty Scrutiny Committee

Faculty Member(s) has / have to check:

- ü Technical aspects of the research
- ü Scope of the research whether it relates to the field or not
- ü Addressing the current issues of the practical nature
- ü The research facilities are available at the campus
- ü Review of literature is related to the title
- ü Number of citation should not be less than fifteen
- ü Synopsis is according to the format (GS-5)





# Performa for Course Work Program (GS/12)

## Performa for Course Work Program (GS/12)

### (COURSE WORK FOR MSc (Hons)/MS/M Phil/PhD)

I INSTITUTE/DEPARTMENT

II NAME OF THE STUDENT

III REGD NO.

IV DATE OF ADMISSION

V NAME OF THE SUPERVISOR

VI SUPERVISORY COMMITTEE

- i) \_\_\_\_\_ (Supervisor)  
 ii) \_\_\_\_\_ (Co-Supervisor, if any)  
 iii) \_\_\_\_\_ (Member)  
 iv) \_\_\_\_\_ (Member)

### COURSE WORK

Course No.	Title of the course	Credit hours
a) Major courses	_____	_____
b) Minor courses	_____	_____
c) Compulsory minor courses	_____	_____
d) Deficiency courses	_____	_____
e) Audit courses	_____	_____

Dean, Faculty of \_\_\_\_\_

Chairperson, Department of \_\_\_\_\_

Director Graduate Studies, MNS U.A., Multan. \_\_\_\_\_



# Performa for Progress Report (GS/13)

## PERFORMA FOR PROGRESS REPORT OF MS/PhD STUDENTS (GS/13)

### PART A (To be filled by the student)

Degree: .....

1. Name of the student: .....
2. Registration No.: .....
3. Date of admission: .....
4. Course work approved (Yes/No): .....
5. Faculty: .....
6. No. of semesters completed: .....
6. Synopsis approved (Yes/No): .....
7. Employment status University/Govt./Pvt./Other University: .....
8. Progress in course work program (enrolled courses):-  
a) No. of credit enrolled: .....  
b) No. of credit qualified: .....  
c) GPA/CGPA: .....
9. Progress in research (Please outline details of progress in your research and achievements during previous semester. Indicate milestones that have been achieved.):

Month	Task Assigned	Task Status
Score out of total		

I. Have you completed the course within the prescribed limit and did not fail?

II. Prescribed time (Date/Month) for completion of the course/program and that it is expected to complete the course by that time: \_\_\_\_\_

10. What do you plan to achieve in the current semester?

11. When did you last discuss your progress with your supervisor?

12. Please list any class that you taught in the last six months (For PhD students)

13. How many research papers/popular articles have you published in the last semester?

14. How many seminars/workshops/webinars/trainings have you attended/participated (Attach details)

Name of the Student \_\_\_\_\_

Signature: \_\_\_\_\_



# Performa for Progress Report (GS/13)

## PERFORMA FOR PROGRESS REPORT OF MS/PhD STUDENTS (GS/13)

### PART B (To be filled in by the Supervisor)

15. Comments and recommendations of the Supervisor:

a) The performance in course work program.

16. How many meetings of supervisory committee have been held during the last semester (Please attach minutes)?

17. Use the scale to provide the progress of your student:

Scale: 1 Poor, 2 Satisfactory, 3 Good, 4 Very good, 5 Excellent

Month	Task Assigned	Task Status	Scale out of 5
Score out of total			

Supervisory Committee:

Supervisor Name: .....

Signature: .....

Co-Supervisor Name (If any) .....

Signature: .....

Member-I Name: .....

Signature: .....

Member-II Name: .....

Signature: .....

Special Member Name: (if any) .....

Signature: .....

Chairman of the Department:

Signature: .....

Dean of the Faculty:

Signature: .....





## Application for Re-Admission

### Application for Re-Admission to Winter/Spring/Summer Semesters

DEGREE \_\_\_\_\_  
INSTITUTE/DEPARTMENT \_\_\_\_\_  
FACULTY \_\_\_\_\_  
Name of Student. \_\_\_\_\_  
Registration Number \_\_\_\_\_

1. Number of Semesters Completed \_\_\_\_\_
2. Whether Permitted to Discontinue or Not. \_\_\_\_\_
3. Reference of Permission \_\_\_\_\_
4. If discontinue without permission or struck off the rolls give specific reasons for absence

**Give details with documentary evidence**

### SIGNATURE OF THE APPLICANT

#### 5. Comments and recommendations of the Supervisor:

- a) Performance in course work program:
- b) Performance in Research (Time spent and result achieved):
- c) General remarks:
- d) Any other remarks:
- e) SIGNATURE OF THE SUPERVISOR

#### 6. Remarks of the Chairperson of the Department:

#### 7. Remarks of the Dean of the Faculty:

In case the name has been struck off due to absence from classes, the parents/guardian shall have to give a assurance (on personnel appearance) for regular attendance and good conduct of the student in future.



## Application for Discontinuation of Studies

### Application for Discontinuation of Studies

DEGREE \_\_\_\_\_  
INSTITUTE/DEPARTMENT \_\_\_\_\_  
FACULTY \_\_\_\_\_

1. Name of Student. \_\_\_\_\_
2. Registration Number \_\_\_\_\_
3. Number of Semesters Completed \_\_\_\_\_
4. Semester for which studies are to be discontinued \_\_\_\_\_
5. Specific reasons for discontinuation of studies (give details) \_\_\_\_\_

### SIGNATURE OF THE APPLICANT

Comments and recommendations of the Supervisor:

- a) Performance in course work program:
- b) Performance in Research (Time spent and result achieved):
- c) General remarks:
- d) Any other remarks:

### SIGNATURE OF THE SUPERVISOR

Remarks of the Chairperson of the Department:

Remarks of the Dean of the Faculty:

**Note:** The discontinuation of studies will be allowed for one semester only.



# Application form for Post Graduate Examination (E-30 Form)

**MNS University of Agriculture, Multan**

**Application Form for Post-Graduate Examinations (THESIS/COMPREHENSIVE)**

**E-30 Form**

Application Form for Post-Graduate Examinations (THESIS/COMPREHENSIVE) To be filled in duplicator by the candidate in his own handwriting. Prescribed admission for the M.Sc./ M.Sc. (Hons)/M. Phil. and Ph.D. shall be deposited in designated Bank Branch of Muhammad Nawaz Shareef University of Agriculture, Multan. Degree:

\_\_\_\_\_ Subject: \_\_\_\_\_ Department: \_\_\_\_\_ Name of candidate: \_\_\_\_\_

\_\_\_\_\_ Regd. No. \_\_\_\_\_ Faculty: \_\_\_\_\_ Father's Name: \_\_\_\_\_

Semester of Admission: \_\_\_\_\_ Date of Approval of Course Work on Permanent Status: \_\_\_\_\_

\_\_\_\_\_ Tentative Date of Submission Thesis/Research Report/Research Project: \_\_\_\_\_

\_\_\_\_\_ Permanent Home Address: \_\_\_\_\_

Previous Degree \_\_\_\_\_ Year of Passing: \_\_\_\_\_ Institute: \_\_\_\_\_

Course No.	Complete Title of	Credit Hours	Semester/ Summer session	Name of the Teacher	Total Marks	Marks obtained
	A-MAJOR COURSES					
	B-MINOR COURSES					Page1





# Application from for Post Graduate Examination

	<b>C- DEFFICIENCIES/A UDIT/ COMPULSORY MINOR COURSES</b>					
--	--	--	--	--	--	--

Subject of Thesis as approved by GSRB/BASR, /Title of Research Report/Project: \_\_\_\_\_,

Date of Approval \_\_\_\_\_

Name of the Supervisory Committee Members

1. \_\_\_\_\_ (Supervisor)
2. \_\_\_\_\_ (Member)
3. \_\_\_\_\_ (Member)
4. \_\_\_\_\_

Fee Rs. \_\_\_\_\_ Paid vide \_\_\_\_\_ Bank Challan No \_\_\_\_\_ Dated \_\_\_\_\_ (A copy enclosed)

I solemnly declare that the information given in the form is correct to best of my knowledge and belief.

Dated \_\_\_\_\_ Signature of the Student \_\_\_\_\_

Certified that Mr./Miss \_\_\_\_\_ has worked under my guidance on the above project and the research done is his bonafide work.

Dated \_\_\_\_\_ Signature of Supervisor \_\_\_\_\_

Certified that:

- a) The candidate bears a good moral character.
- b) He attempted at least 75% lectures and practical in the course mentioned on above 1 & 2 page.
- c) Is a fit person to be admitted to the examination

Dated \_\_\_\_\_ Signature of the Chairman Department \_\_\_\_\_

Dated \_\_\_\_\_ Signature of the Dean of Faculty \_\_\_\_\_

Certified that the candidate was admitted by BGSR to the M. Sc./M. Sc. (Hons)/M. Phil/Ph. D courses during the winter/spring semester \_\_\_\_\_ and the course work, the members of Supervisory committee and the subject of the synopsis were duly approved. He has fulfilled the residential requirements.



# Observation Form for Thesis Submission

## Observation Form for Thesis Submission

### Observation on MS/M.Sc. (Hons.)/M Phil/PhD thesis of

Mr./Ms./Mrs. \_\_\_\_\_

Institute/Department of \_\_\_\_\_

Faculty of \_\_\_\_\_

1. Title \_\_\_\_\_
2. Whether processed through Supervisor/Head of the Department.
3. Title according to the approved Synopsis.
4. Whether submitted on prescribed form 75 pages.
5. Thesis is written under limit of 75 pages.
6. Thesis is written under prescribed section.
7. Total number of references quoted in thesis.
8. References in Introduction.
9. References in Review of Literature.
10. References in Materials and Methods/Methodology.
11. References digested in Discussion.
12. References given in Chronological sequence.
13. Bibliography.
14. Table of Contents.
15. Acknowledgements brief and relevant.
16. Tables and their headings are given in proper format prescribed.
17. References given in prescribed form.

### FOR OFFICE USE

18. Statistical data checked and following observations are recorded: -
19. General Observations.

- Instruction complied with final typing may be permitted.
- Application for Discontinuation of Studies



# Observation Form for Thesis Submission

DEGREE \_\_\_\_\_  
INSTITUTE/DEPARTMENT \_\_\_\_\_  
FACULTY \_\_\_\_\_

1. Name of Student. \_\_\_\_\_
2. Registration Number \_\_\_\_\_
3. Number of Semesters Completed \_\_\_\_\_
4. Semester for which studies are to be discontinued \_\_\_\_\_
5. Specific reasons for discontinuation of studies (give details) \_\_\_\_\_

## SIGNATURE OF THE APPLICANT

### Comments and recommendations of the Supervisor:

- a) Performance in course work program: \_\_\_\_\_
- b) Performance in Research (Time spent and result achieved): \_\_\_\_\_
- c) General remarks: \_\_\_\_\_
- d) Any other remarks: \_\_\_\_\_

## SIGNATURE OF THE SUPERVISOR

Remarks of the Chairperson of the Department: \_\_\_\_\_

Remarks of the Dean of the Faculty: \_\_\_\_\_

Note: The discontinuation of studies will be allowed for one semester only.

### Author's Declaration (For PhD)

I \_\_\_\_\_ hereby state that my Ph.D. thesis titled \_\_\_\_\_ is my own work and has not been submitted previously by me for taking any degree from this University \_\_\_\_\_ or anywhere else in the country/world.

At any time if my statement is found to be incorrect even after my graduation, the university has the right to withdraw my Ph.D. degree.

Name of Student: \_\_\_\_\_  
Registration No.: \_\_\_\_\_  
Date: \_\_\_\_\_





## Certification for Approval

### Certificate for Approval

This is to certify that the research work presented in this thesis, entitled \_\_\_\_\_  
was conducted by Mr./Ms. \_\_\_\_\_ under the supervision of \_\_\_\_\_.  
No part of this thesis has been submitted anywhere else for any other degree. This thesis is submitted to  
the \_\_\_\_\_ of \_\_\_\_\_ Institute/Department  
\_\_\_\_\_ in partial fulfillment of requirements for the degree of Doctor of Philosophy  
in field \_\_\_\_\_ University of \_\_\_\_\_

**Student Name:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

### Examination Committee

**a) External Examiner 1**

(Designation and Office Address)

Signature: \_\_\_\_\_

**b) External Examiner 2**

(Designation and Office Address)

Signature: \_\_\_\_\_

**c) Internal Examiner**

(Designation and Office Address)

Signature: \_\_\_\_\_

**Supervisor Name:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Name of Dean/HOD:** \_\_\_\_\_

**Signature:** \_\_\_\_\_



## Plagiarism Understanding

### Plagiarism Undertaking

I solemnly declare that research work presented in thesis titled

\_\_\_\_\_ is solely my research work with no significant contribution from any other person. Small contribution/help wherever taken has been duly acknowledged and that complete thesis has been written by me. I understand the zero tolerance policy of the HEC and University

\_\_\_\_\_ (Name of University) \_\_\_\_\_ towards plagiarism. Therefore I, as an author of the above titled thesis, declare that no portion of my thesis has been plagiarised and any material used as reference is properly referred / cited.

I undertake that if I am found guilty of any formal plagiarism in the above titled thesis even after the award of Ph.D. degree, the University reserves the right to withdraw/revoke my Ph.D. degree and that the HEC and the University has the right to publish my name on the HEC/University website on which names of students are placed who submitted plagiarized thesis.

**Student/Author Signature:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Registration No.:** \_\_\_\_\_



## APPENDIX II

### Fee Structure for Postgraduate Degree Programs

Serial No	Degree Program	First Semester (Rs.)	Subsequent Semester (Rs.)
1	M.Sc. (Hons.) Agriculture (All Majors)	55,660	49000
2	M.Sc. (Hons.) Management Agribusiness	55,660	49000
3	MS Fisheries & Aquaculture	55,660	49000
4	MS Poultry Science	55,660	49000
5	MS Zoology	55,660	49000
6	M.Sc. (Hons.) Climate Change	55,660	49000
7	M.Sc. (Hons.) Postharvest Management	55,660	49000
8	M.Sc. (Hons.) Seed Science & Technology	55,660	49000
9	M.Sc. Agro Industrial Engineering Technology	55,660	49000
10	M.Sc. (Hons.) Agricultural Engineering	55,660	49000
11	M.Sc. (Hons.) Energy System Engineering	55,660	49000
12	MS Animal Nutrition	55,660	49000
13	MS Computer Science	66,800	55,660
14	MS Information Technology	66,800	55,660
15	MS Data Science	66,800	55,660
16	MS Public Health	66,800	55,660
17	MS Human Nutrition & Dietetics	66,800	55,660
18	MBA	50,600	44,550
19	MBA Executive	61,600	50,600





## APPENDIX II

20	Foreign Students (M.Sc. Hons.) (USD)	-	-
21	Ph.D. in all disciplines (Without Scholarship)	69,580	55,660
22	Ph.D. in all disciplines (With Scholarship)	57,500	55,000
23	Foreign Students (Ph.D.) (USD)	1,200	1,000

### Hostel Charges

Description	First Semester	Subsequent Semesters
Hostel Charges (incl. boarding, lodging, utilities, etc. applicable to all except disabled boarders)	18,000	17,000
Hostel Fee Foreign Students (USD)	500	300



## APPENDIX III

### Postgraduate Academic Calendar

Sr. No.	Particulars / Activity	Dates
<b>A</b>	<b>Winter Semester 2025-2026</b>	
1	Enrollment	01-09-2025 to 08-09-2025
2	Commencement of Classes	08-09-2025
3	Mid-Term Examination	10-11-2025
4	Final Term Examination	12-01-2026
5	Termination of Semester (after completion of 20 weeks including examinations)	30-01-2026
6	Break	24-01-2026 to 01-02-2026
<b>B</b>	<b>Spring Semester 2026</b>	
1	Enrollment	02-02-2026 to 06-02-2026
2	Commencement of Classes	02-02-2026
3	Mid-Term Examination	30-03-2026
4	Final Term Examination	01-06-2026
5	Termination of Semester (after completion of 20 weeks including examinations)	19-06-2026
<b>C</b>	<b>Summer Semester 2026</b>	
1	Enrollment	29-06-2026 to 03-07-2026
2	Commencement of Classes	29-06-2026
3	Mid-Term Examination	27-07-2026
4	Final Term Examination	24-08-2026
5	Termination of Semester (after completion of 09 weeks including examinations)	28-08-2026
6	Break	29-08-2026 to 06-09-2026



## APPENDIX IV

### List of Technologically /Academically advanced countries for evaluation of PhD Thesis

SERIAL NO.	NAME OF COUNTRY	SERIAL NO.	NAME OF COUNTRY
1	Afghanistan 1&7	21	India 2*5
2	Australia	22	Iran 6*7
3	Austria	23	Ireland
4	Belgium	24	Italy
5	Barunei 2	25	Japan
6	Bulgaria	26	Luxemburg
7	Canada	27	Malaysia
8	China 3	28	Netherland
9	Croatia 4	29	New Zealand
10	Czech Republic	30	Nigeria 2
11	Denmark	31	Norway
12	Estonia	32	Oman 7
13	Finland	33	Poland
14	France	34	Portugal
15	Germany	35	Romania
16	Goergia 4	36	Singapore
17	Greece	37	Slovak Republic 4
18	Hong Kong	38	Slovenia 4
19	Hungry	39	South Africa
20	Iceland	40	South Korea





## APPENDIX IV

41	Spain	45	United Kingdom
42	Sweden	46	United States
43	Switzerland	47	All Arab Countries 2
44	Turkeyia		

### Footnotes

1. Pashto
2. Arabic, Islamiyat and Islamic Studies
3. Sciences, Engineering & Technology
4. Mathematics Only
5. Brahvi, Punjabi, Saraiki, Sindhi and Urdu
6. Persian
7. Balochi



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