



PROSPECTUS UNDERGRADUATE

2021-22



MNS-UNIVERSITY OF AGRICULTURE, MULTAN

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Disclaimer

The information provided in this prospectus is for the guidance of newly admitted students. Every effort has been made to ensure accuracy of information contained in this prospectus. The University reserves the right in every case and for any reason to introduce changes to the given information including addition, omission, withdrawal or restructuring of degree programs, courses, rules, policies, fees, or other matters. The prospectus is published by the prospectus committee appointed by the University authorities.

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3. Dr. Muhammad Usman Jamshaid	Member
4. Dr. Sami Ullah	Member
5. Dr. Asghar Abbas	Member
6. Dr. Ayesha Hakim	Member
7. Dr. Shazia Hanif	Member
8. Assistant Registrar (Acad.)	Member
9. Dr. Amar Matloob	Member / Secretary



Vice Chancellor's **MESSAGE**

Dear Students,

I warmly welcome you to MNS University of Agriculture, Multan, where you will experience an exciting and cheerful journey through your graduation program. We truly own your decision for choosing this university to materialize your dreams of an impeccable future. Let me take the opportunity to familiarize you with the zeal and dynamism of the campus community that fills me with optimism of our collective future.

Each year, our new students inspire us with fresh energy and enthusiasm. We, at MNSUAM, are committed to ensure that our academic programs are of high quality and bearing relevance to national and regional development. Your interest and commitment towards your studies help us to stay on the course. We have set our directions right not only in terms of designing our programs but also in developing our infrastructure so that to provide you with best possible facilities in terms of agricultural research, education, and services. The university has come a long way from its humble beginning to its current state as an expanded campus with fully operational teaching Labs, research farms, and well equipped Graduate Labs Block. Acknowledging the efforts for developing a Sustainable Campus, the UI GreenMetric World University Rankings has ranked MNSUAM at number 3 among the universities across Pakistan.

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. Your years at the university are very important. During your stay at the campus, you will be trained to maintain a healthy balance between your curricular, co-curricular, and extra-curricular activities. Our goal is to educate you as a whole person and we recognize that some of the important lessons you will learn will take place outside the classroom and the laboratory.

I am also delighted to share that the quality of our graduates is recognized by the employers in public and private sectors, who feel satisfied to offer jobs to our students, while our alumni are also contributing in their respective professions through exhibiting entrepreneurial skills and practical knowledge. Our Career Development Center ensures that students are provided with career guidance and resources to help them identify and work towards their career and personal goals. The center eagerly helps students with their career planning by offering a variety of services through counseling, training, contact building and networking, and internship opportunities.

During the COVID-19 crisis and the time of emergency, protection of health and safety of the campus community has been our number one priority and responsibility, whereas, aligned to this, we have put our students' education and experience at the heart of our decision making. The mechanism offered by the university has primarily aimed at reassuring the students and guiding them through a well-established online system of classes and the academic journey to the unexpected virtual road. To meet the modern pedagogical standards, we are progressing well in blended learning system and citizenship education. The faculty, students and administration have been together in these uncertain times and remained committed to fulfill their responsibilities to achieve their academic aspirations.

At the end, let me express that it is the beginning of your future. Enjoy this journey to gain a diversified experience as a student, sportsperson, researcher, and a change maker. Prepare yourself for a world where nothing stands the same. I wish you best of luck and every success in the years to come.

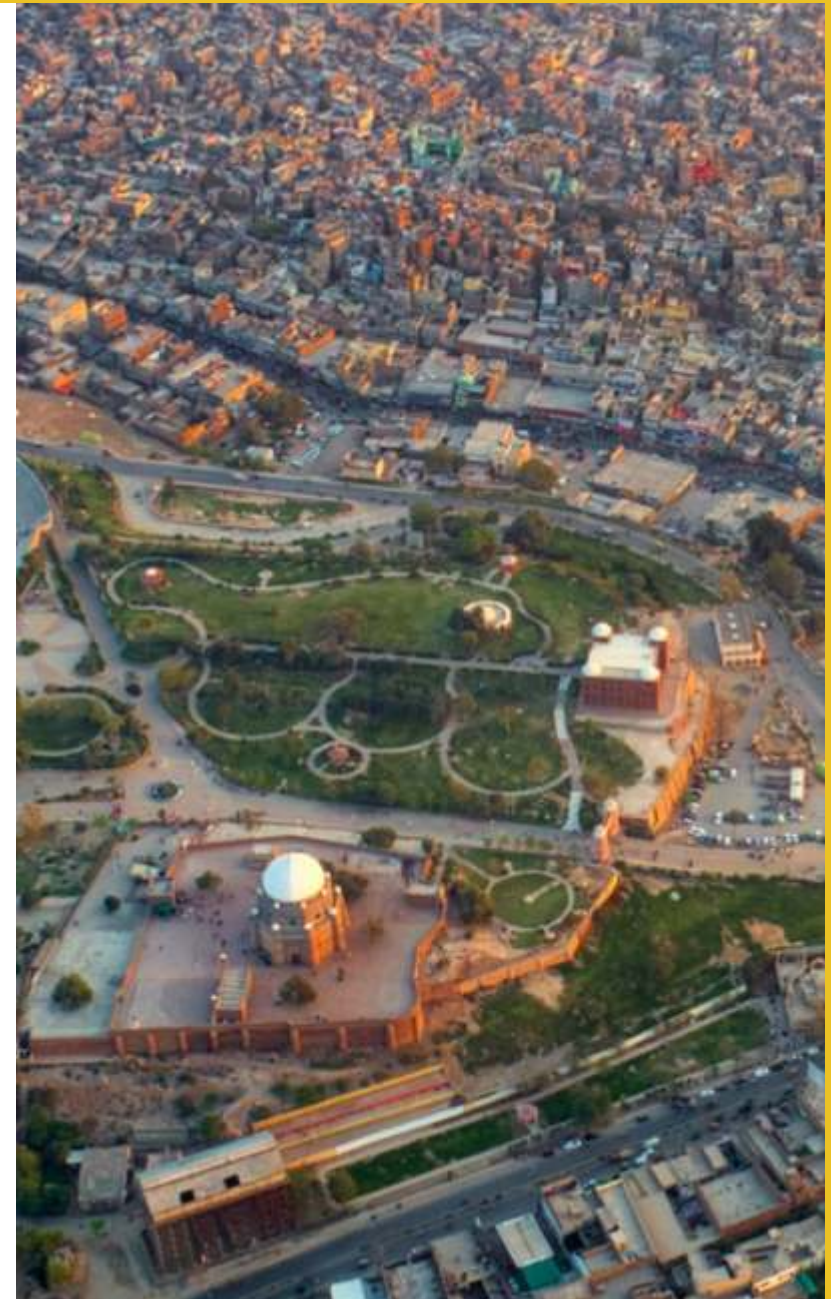
Prof. Dr. Asif Ali (T.I)
Vice Chancellor

MULTAN

Multan has remained a center of learning, culture and civilization from ancient times. It is one of the oldest living cities in the world. A Chinese traveler, Hiuen Tsang, visited this city in 641 A.D. and mentioned its name as 'Mu-lo-san-pu-lu', a translation of 'Mulasthana-Pura'. The famous Iranian scholar, Al-Beruni came to this city with his master, Sultan Mahmud Ghaznavi, in 1015 A.D., and referred to it as 'Mulatana'. Other historians namely Masudi (915 A.D.) and Ibn-e-Batuta (1334 A.D.) also wrote about the city in their travelogues. For centuries, Multan has served as a trade hub between South and Central Asia. The city now stands as a combination of old and new Pakistan culture and has developed into a commercial and industrial center.

Multan is also known as "Mandina-tu-Aulya", the city of saints. Several tombs and "Khanqahs" (hospices) of sufi scholars and saints have become the architectural landmark of this city. Some eminent saints buried here are Hazrat Bahauddin Zakariya, Shah Rukn-e-Alam, Shamsuddin Sabzwari (also known as Shah Shams), Shah Yousaf Gardez and Musa Pak Shaheed. Their shrines are beautifully decorated and ornamented with blue tiles, mosaic work and delightful Kashi Gari and Naqashi work, for which Multan is famous. The tomb of Shah Rukn-e-Alam is on the list of UNESCO World Heritage Site.

The city is located at 740 ft. above sea level and spread over an area of 3,721 square kilometers. Positioned almost in the center of Pakistan, Multan is at an approximate distance of 950 km from Karachi, 630 km from Islamabad and 356 km from Lahore. The river Chenab is flowing in the west of Multan at a distance of six kilometers. The City is well connected with other parts of the country via excellent road and rail network and an International Airport. The vast plain of

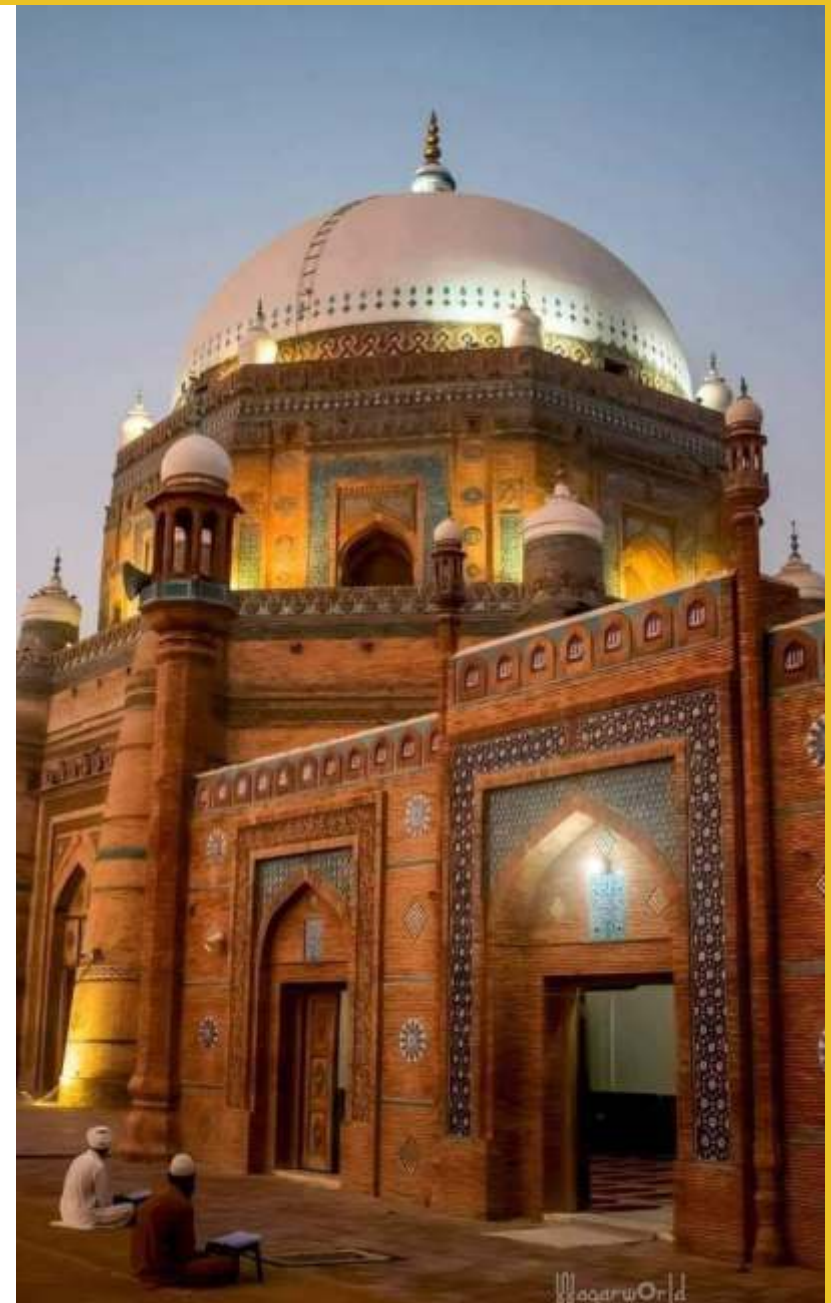


MULTAN

Multan is dissected by numerous canals and water channels, which make its soil ideal for agriculture, cultivation of crops and growing fruits and vegetables. The major crops of Multan include wheat, cotton, sugarcane, rice, maize, sunflower, fodder crops etc., minor crops involve rapeseed and mustard, pulses i.e. chickpea, lentil, mung bean and mush bean etc., whereas mango, citrus, guava, date-palm, pomegranate, falsa, jujube, banana, strawberry and grapes are among popular fruits grown in the area.


Multan is called the city of Mangoes for a reason, as its stiflingly hot climate provides the fruit a perfect environment to ripe into juiciest, thickest and the most aromatic mangoes in the world. Some popular varieties of Multani mangoes are 'Anwar Ratole', 'Langra', 'Dusehri' and 'Chausa'. Each of them is different in taste, size and quality of pulp. Multani Sohan Halwa, made of sugar, desi ghee and wheat flour and garnished with nuts and pistachios, is a special dessert, that every visitor to Multan takes with him as a compulsory item. Beautiful blue tiles, blue pottery, Multani Khussa (shoes), embroidered clothes for men and women and camel skin wares and camel bone jewelry are some other designated products of Multan.

The reminiscence of old Multan city around the fort with its six gates give a glimpse to the visitors of its past glory. The new city has all hustle and bustle of a modern habitat, with wider roads, overhead bridges, glass showcased shops of electronics, furniture and clothes, busy markets, desi and fast food restaurants etc. All facilities like hospitals, schools, colleges, universities, banks, parks and other public utilities are available in the city. Majority of Multani people speak Saraiki language, but Punjabi and Urdu are also widely spoken.





MNS-University of Agriculture, Multan


Students Enrollment
 (4603)


Faculty Development
 National (10)
 International (05)


UI Green Metric Ranking
 National (3)
 International (243)



Research Projects
 (63)


Scholarships/Stipends
 Amount in Millions Rs.
 (46.11)


Accommodation Facility
 Boys Hostel (01)
 Girls Hostel (01)
 Guest House (01)


Degree Programs
 Undergraduate (22)
 Postgraduate (25)


Competitive Grants
 National 545 million PKR
 International (117.66 million PKR)


Transportation
 Buses (6)
 Hi-roof (2)


MoUs / Agreements
 National: (31)
 International: (30)


Research Publications
 (during last year)
 (208)


Library
 (>50,000 books)


Faculty Strength
 Ph.D (84)
 M.Phil (30)


Skill Development
 Amount in Millions Rs.
 (17.33)


Student Societies/Clubs
 (17)


Conferences/Seminar/webinars
 National: (39)
 International: (17)


Publications
 Research Journal (01)
 News Bulletin (01)


Computer Labs
 (05)



The MNS University of Agriculture, Multan (MNSUAM) is an HEC recognized higher education institution established in 2012. Within a short span of time, the University has made rapid progress in terms of expanding its academic programs, students' enrolment, physical infrastructure, campus network, and hiring highly qualified and experienced academic and administrative staff. As a matter of fact, MNSUAM is considered as one of the fastest growing academic institutions of Pakistan, which is evident in the reports and comments made by officials from HEC, NAEAC, Agriculture Department, Representatives of the Government, and local and foreign experts, who visit the varsity from time to time. The main campus of the University is located at Old Shujabad Road, Multan, neighboring several different wings and formations of Punjab Agriculture Department positioned within a radius of 2-3 kilometers. These include Mango Research Institute, Central Cotton Research Institute, Cotton Research Station, Agricultural Mechanization Research Institute, Soil and Water Testing Laboratory, Directorate of Water Management, Agricultural Extension Wing, Pest Warning and Quality Control of Pesticides, Fisheries Department, Federal Seed Certification and Registration Department. All these offices and the University have combined into an "Agriculture Complex" with a common agenda of facilitating the farming community of the region.

The University's main campus is spread on an area of 180 acres at a prime location in Multan and consists of purposefully built buildings including Academic Block, Administration Block, Girls and Boys hostels, Library, Faculty and Staff residences etc. For carrying out agricultural research activities, the University has established a separate graduates block, centralized labs system, agricultural farms at the main campus as well as at Jalalpur Pirwala comprising 500 acres.





Over the years, the University has introduced several new degree programs to provide multidisciplinary education to the students with innovative approaches. Besides Bachelor's level degree programs in Agriculture, Agribusiness, Computer Science and Information Technology, the University also offers F.Sc. Pre-Agriculture, and M.Sc. and Ph.D in various disciplines of Agricultural Sciences. The University has also started B.Sc. (Hons.) Human Nutrition and Dietetics, B.Sc. (Hons.) Poultry Science, B.Sc. Agro-industrial Engineering Technology, whereas 6 new undergraduate degree programs and 5 MS/M.Sc./PhD programs are being initiated this year.

The University has strengthened its teaching resources by hiring new qualified faculty through regular, TTS and IPFP appointments following a transparent and rigorous process of recruitment. The administrative offices have also been manned with qualified and experienced staff members to provide necessary support to the University for carrying out its functions. The University has instituted a Center for Agricultural Sustainability in South Punjab (CAS-SP) and Department of Outreach and Continuing Education this year to strengthen its research and outreach initiatives. The Office of Research, Innovation and Commercialization (ORIC) is working for capacity building of the faculty for enhancing research activities. The Quality Enhancement Cell (QEC) is mandated to ensure quality teaching and research through continuous assessment for better outcomes. The Directorate of Students Affairs provides all necessary support to students with respect to their admission, selection of subjects, registration, financial support etc., whereas the Career Development Center helps them find suitable jobs after completion of their degrees. It is worth mentioning here that the University manages more than 60 percent of its final semester internships as paid internships which provide an excellent learning environment to the young graduating students.



Furthermore, overwhelming employability of MNSUAM graduates in the private sector shows the competitive strength of the university graduates.

The University regularly conducts national and international events including conferences, seminars, workshops, and festivals. Some activities have now become the trademark of this University such as Sino-Pak International Cotton Conference, Spring Festival, Kisan Mela, Fish Mela, Annual Cotton Seminar and Mango Festival. The University has the honor of among the top 5 teams in the national Microsoft Imagine Cup during the last two consecutive years. Acknowledging the efforts for developing a Sustainable Campus, the UI GreenMetric World University Rankings 2020 has ranked MNSUAM at number 3 among the universities across Pakistan. With a vision to highlight a positive image of our country onto the canvas of the world and lure international markets for bilateral trade, investment and business, the University is actively playing its part to explore new horizons for economic betterment of Pakistan.



UNIVERSITY ADMINISTRATION

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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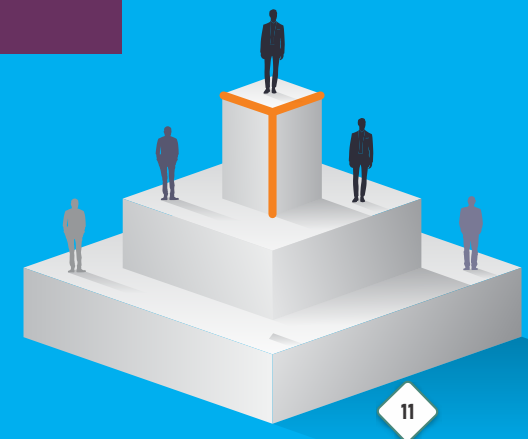
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Faculty of Agriculture & Environmental Sciences



Faculty of Agriculture & Environmental Sciences



Prof. Dr. Shafqat Saeed
Dean, FA&ES



Message from Dean

Welcome to Faculty of Agriculture and Environmental Sciences. The pioneer faculty of the University comprises of two institutes and four departments. Through teaching and research, our faculty members are committed to take all challenges as opportunity. We believe in problem-oriented research for the betterment of our farming community. We love to explore innovative approaches and working in collaboration with national and international institutes. Our research focus on healthy and viable seed production, improving soil health for sustainable crop production, development of improved crop varieties along with advanced cultural practices, climate smart cropping systems, sustainable weed management, insect toxicology, pesticide resistance, integrated pest management, drip irrigation system, hydroponics, tunnel farming, agro-forestry, pre- and post-harvest technologies of crops and fruits. Either there is rust outbreak, locust attack or any other agriculture emergency; we always stay alert and proactive to give intellectual input to policy makers for ensuring national food security. It is our core motive to produce a creative ecology where students will be able to get skilled based practical knowledge in the disciplines of agriculture and environmental sciences to embrace future challenges in the best possible way. We aim to produce qualified professionals, critical thinkers, and researchers which will serve the nation in quest of knowledge based economy. Together with our stakeholders, we are making strides towards our goal of making this University a world-class institute. Join us for your better future!

The Faculty of Agriculture and Environmental Sciences (FA&ES) was established in 2015 as the first faculty in MNS-University of Agriculture, Multan. The faculty has energetic team of 66 full time faculty members (50 PhD and 16 Non PhD) with diverse background and academic experiences at top universities in Australia, China, Germany, Korea, Singapore, UK, USA etc. The faculty members have published more than 750 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), and DAAD Germany. In FA&ES, there are 68 students enrolled in Ph.D., 392 students in M.Sc. (Hons.) and 1394 students in B.Sc. (Hons.)

Agriculture.

The learning system of the faculty is based on modern lines can be easily switched on physical and online classes. The flexible teaching system in which courses offered in module system with blended learning approaches makes the faculty a step ahead during COVID-19 Pandemic crises.

1. Department of Agronomy
2. Department of Food Sciences and Technology
3. Department of Horticulture
4. Department of Soil and Environmental Sciences
5. Institute of Plant Breeding and Biotechnology
 - Plant Breeding and Genetics
 - Seed Science and Technology
 - Biotechnology
6. Institute of Plant Protection
 - Entomology
 - Plant Pathology
 - Weed Science

Faculty of Agriculture & Environmental Sciences

Department of AGRONOMY

The Department of Agronomy is striving hard to earn repute of excellence in agronomic education with focus on problem-oriented research related to crop production and soil management under changing climate scenario. A dedicated 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 more than 230 international papers in referred journals, won 12 research projects and submitted several others competitive grants. The Department also organizes international workshops and seminars on contemporary issues of agriculture in changing climate scenario. Advisory services to farmers are also being provided. The Department has all the basic facilities like lecture rooms, well-equipped research laboratories, text books and reference materials for undergraduate and postgraduate degree programs. The students are blessed with diverse learning facilities ranging from lectures to interactive tutorials, brain storming sessions and field work involving advanced audio-visual aids.





**SWEET
BUCKWHEAT**

Department of AGRONOMY



DR. ABDUL GHAFFAR

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DR. AMAR MATLOOB

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DR. MUQARRAB ALI

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Department of **AGRONOMY**



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Department of FOOD SCIENCE & TECHNOLOGY

Keeping in view the current scenario of the world and our country's food safety and food security, the Department is aimed to produce well trained human resource to cope emerging needs of the community and food industry as well. The major focus of the Department is utilization of basic principles of Food Science and Technology for processing and preservation of food commodities to meet the challenges of burgeoning population and fastest growing food industry in the country. There has been a significant increase in the establishment of food industry during the last two decades and consequently the demand for Food Technology graduates has increased tremendously at national and international level. South Punjab is the hub for agricultural production and a lot of food industries are working here to enhance the quality of food products. Hence, there is a great demand of Food Technologists to cope needs of the area in terms of employment in industry and academia. The present faculty is practically involved in the capacity building of the students through effective teaching and training programs. Concerning the most important issues including malnutrition and unavailability of safe food of South Punjab community, these issues have been taken up as challenge and Department of FST shared significant contribution in promotion of food preservation and hygienic practices. In this perspective, the Department is aiming to provide all possible facilities in collaboration with different food industries and other neighboring institutes to train the graduates with skills and futuristic vision. The students of Food Science and Technology involved in different research institutes and food industries to meet the challenges of corporate sector through their practical knowledge.







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DR. SHABBIR AHMAD

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Department of HORTICULTURE

Department comprises of young, energetic and motivated faculty, staff as well as research team having diverse experience and strong commitment towards teaching, research and outreach. The Departmental faculty consists of a professor, one associate professor, four assistant professors and a lecturer; all having rich teaching and research experience together with numerous publications in national and international peer-reviewed journals and conferences proceedings.

The Department offers degree programs in B.Sc. (Hons.), M.Sc. (Hons.) and Ph.D. with specialization in Horticulture subject. The curriculum of these degree programs is regularly reviewed and revised keeping in view the HEC guidelines, needs of a farming community and global developments which is duly approved through statutory bodies. The Department was established in 2015; and until 2021, ninety-five (95) undergraduate and thirty-six (36) master level students have received their degrees. Currently, six (06) Ph.D., thirty-six (36) masters and seventy-eight (78) undergraduate students are enrolled in the Department.

As far as research and development are concerned; various projects worth Rs. 29.2 million are under progress including, supply chain management of minor fruits (Rs. 8.6 million); vegetable grafting (Rs. 3.4 million); standardization of pomegranate production practices (Rs. 6.6 million); postharvest management of strawberry (Rs. 7.5 million) and collection and conservation of phalsa landraces (Rs. 2.9 million) funded by Higher Education Commission of Pakistan, Punjab Agricultural Research Board, and Pakistan Agriculture Research Council respectively; while projects worth Rs. 1.5 million have been completed during the last years. The Department is focused to conduct trans-disciplinary research and development in nursery raising, production systems, postharvest management, supply chain improvement, value addition and marketing of horticultural crops including fruits, ornamental plants and flowers, vegetables including mushrooms. 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 is actively involved in outreach activities for farming communities and agro-industries. Considering the geographical location of MNS-UAM in the main mango growing area of Pakistan the department emphasizes creating



Department of HORTICULTURE

awareness, branding and networking in mango production, supply and value chains. In this regard, the department has the 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 with a platform to display their products that attract national and international business networking. Moreover, the event also includes festivity, competition opportunities and awareness for the general public. In addition, the Department also arranges regular seminar and workshops to disseminate information related to international compliances on quality and safety and facilitates/develops the capacity of growers to grow export quality produce. 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. Under this activity, over 300 growers and other stakeholders belonging to different areas of Pakistan were trained during 2019 and 2020 and over 1000 acres of mango orchards under mango small tree system have been established. Moreover, the 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, policymakers etc. Various farmers and investors get consultancy from the departmental faculty for vegetable production under a protected environment.

Department of HORTICULTURE



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DR. TANVEER AHMAD

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DR. KASHIF RAZZAQ

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Department of SOIL & ENVIRONMENTAL SCIENCES

The agricultural development and sustainability of any country largely depends on quality of its soil and environment. “There can be no life without soil and no soil without life; they have evolved together”. Fundamental knowledge of soil is vital for good crop production, natural resources management, climate change and environmental policy and protection.

Our department has outstanding, distinguished and foreign qualified staff, and is also well-equipped with laboratories for teaching and research purposes. Currently, department has following six research focused groups; 1) Saline Agriculture, 2) Soil Microbiology and Biochemistry, 3) Soil Fertility and Plant Nutrition, 4) Soil and Environmental Chemistry 5) Soil Physics and 6) Climate Change. Department offers both undergraduate [B.Sc. (Hons.) Agriculture – Soil Science, B.Sc. (Hons.) Environmental Sciences] and postgraduate programs [M.Sc. (Hons.) Soil Science, M.Sc. (Hons.) Climate Change and Ph.D Soil Science].

We roll up our sleeves and get our hands dirty to accomplish great things. Our under and postgraduate programs prepare students to address agricultural, environmental and climate change challenges in Pakistan and around the globe, and our focus is on the sustainable agriculture and food security. We train our graduates to collaborate with stakeholders for effective utilization of acquired knowledge and skills to shape better tomorrow. After graduation, our students serve in Public and Private sectors, research, academia, industry and advisory.

We have managed to win 12 competitive grants of worth Rs. 17.78 million both from national and international funding agencies. We have also signed MoUs with Shandong University in China, Fauji Fertilizers Company, Pakistan and Engro Fertilizers, Pakistan for joint research ventures. Recently, we have initiated outreach program for establishing linkages between the local farming community and the researchers to provide advisory services to the farmers at their doorstep. We also organize seminars, conferences and workshops to disseminate latest knowledge and share thought provoking ideas.





International Conference

Smart Business Management and Innovation

International Conference

Smart Business Management and Innovation

International Conference

Smart Business Management and Innovation

Department of SOIL & ENVIRONMENTAL SCIENCES



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Institute of PLANT BREEDING & BIOTECHNOLOGY

The Institute of Plant Breeding and Biotechnology (IPBB) at MNSUAM offers undergraduate and postgraduate degree programs in the subjects of Plant Breeding and Genetics, Seed Science and Technology, and Biotechnology. 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 has qualified faculty actively involved in developing latest curriculum and promoting effective research and development activities in the University. 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 and USAID. The institute has also initiated outreach program for establishing linkages between the farming community, industry and the researchers to solve the problems of the stakeholders. The institute frequently 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.







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MS. MADIHA GOHAR

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Institute of PLANT PROTECTION

Climate change is a global phenomenon which is putting diverse cascading effects on every sphere of life on the earth including agriculture. On the other hand, population of the world 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. The Institute has inherited ties with local research institutes like CCRI, CRS, MRI, AMRI, Agri. Extension, Pest Warning and Quality Control of Pesticides etc. These links will pave the path in grooming the students of the Institute in a professional and practical way. Several research projects have been submitted to renowned funding agencies of National and International fame like USAID, Higher Education Commission (HEC), Pakistan Science Foundation, Pakistan Agriculture Research Board (PARB), International Foundation for Science (IFS), ACIAR and JICA. Moreover, five research projects have been funded by PARB, HEC and IFS on Cotton Whitefly and Pink bollworm, Mango Fruit and Shoot Borer and Mango Fruit Fly, and viruses of onion and garlic, respectively. Currently, active programs are B. Sc. (Hons.) Agriculture (Entomology & Plant Pathology), M. Sc. (Hons.) Entomology, M. Sc. (Hons.) Plant Pathology, Ph. D Entomology and Ph. D Plant Pathology.

Due to the COVID-19 pandemic, all the educational institutions in the country have been shifted to online learning tools. Keeping in view the need of time, IPP has also started online classes using learning management system (LMS) without compromising the standards of teaching. In future, the institute will offer various courses which will be taught online completely and hybrid courses with



Institute of PLANT PROTECTION

blended learning along with face-face teaching to meet the standards of international institutions.

The faculty from the institute is also leading the University in organizing seminars about COVID-19 pandemic and creating awareness among the society especially farming communities through literature and other possible means. Recently, the Institute organized an International webinar in collaboration with Centre for Agriculture Sustainability in South Punjab (CAS-SP). The title of the webinar was “Current Scenario of R&D on Locust Management: Pakistan Perspective” which was held on 09-07-2020 at 11:00 am. A large number of scientists, academia, policy makers, students and farmers were participated in the same. Prominent scientists from all provinces of Pakistan and around the world shared their experiences about research and management of locust. At the end, beside other technical policy points regarding management of locust, all speakers agreed that collaborative efforts at national and international level are necessary for effective management of the pest.

Moreover, the Institute is also actively engaged in developing a biological control of locust which poses a threat to the cultivation of various crops in Southern Punjab. Similarly, the farming community of the region also getting benefits from the institute in the form of diagnostic facilities of weeds and diseases along with the best possible solution for their management.





International
Conference on
Smart Plant
Protection

International
Conference on
Smart Plant
Protection
(Jan 27-28, 2022)
January 27-28, 2022



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MS. HAFIZA TAHIRA GUL

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MR. ASIF MAHMOOD ARIF

Position: Lecturer (On study leave) (Plant Pathology)
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Scheme of Studies

B.Sc. (Hons.) Agriculture (Semester I-IV)

Semester I

Course Code	Course Title	Credit	Course Type
SES-301	Introduction to Environmental Science	2(2-0)	FC
AEE-301	Introduction to Agri. Extension	3(2-1)	FC
AGRON-301	Basic Agriculture	2(1-1)	Comp
AGRON-303	Field Crop Production	2(1-1)	Comp
AGRON-304	Weed Control Methods (For the students of Intermediate Pre - Agriculture)	2(1-1)	Comp
CS-301	Computer Science and Information Technology	2(0-2)	Comp
MATH-301/ BIO-301	Elementary Mathematics (<i>for Pre -Medical</i>) / Essentials of Biology (<i>for Pre-Engineering</i>)	3(3-0) 3(2-1)	Comp
ENG-301	Composition and Communication Skills	3(3-0)	Comp
UAM-301	Social and Religious Tolerance	2(2-0)	Audit
	Total Credit Hours	17	

Semester II

Course Code	Course Title	Credit	Course Type
AGRON-302	Principles of Agronomy	3(2-1)	FC
HORT-302	Introductory Horticulture	3(2-1)	FC
AH-302	Introduction to Animal Husbandry	3(2-1)	FC
MAB-302	Fundamentals of Agribusiness and Marketing	2(2-0)	FC
ID-304	Irrigation and Drainage Practices	2(1-1)	Comp
SSH-302	Pakistan Studies	2(2-0)	Comp
STAT-302	Introductory Statistics	2(2-0)	Comp
IS-302/ SSH-304	Islamic Studies OR Ethics (for Foreigners / Non-Muslims)	3(3-0)	Comp
UAM-302	Citizenship Education and Community Engagement	3(2-1)	Audit
	Total Credit Hours	20	

Semester III

Course Code	Course Title	Credit	Course Type
BIOTECH- 401	Introduction to Biotechnology and Molecular Genetics	3(2-1)	FC
RS-409	Rural Sociology and Development	2(2-0)	Comp
VMD-401	Introduction to Veterinary Preventive Medicine	2(1-1)	Comp
AE-401	Principles of Agricultural and Resource Economics	3(3-0)	FC
FRW-401	Agro-Forestry, Range and Wildlife Management	3(2-1)	FC
FMP-405	Farm Mechanization	2(1-1)	Comp
ENT-401	Introductory Entomology	3(2-1)	FC
	Total Credit Hours	18	



Scheme of Studies

B.Sc. (Hons.) Agriculture (Semester I-IV)

Semester IV

Course Code	Course Title	Credit	Course Type
PBG-402	Introductory Plant Breeding	3(2-1)	FC
PP-402	Introductory Plant Pathology	3(2-1)	FC
FST-402	Essentials of Food Science and Technology	3(2-1)	FC
ENT-402	Applied Entomology	3(2-1)	FC
MB-402	Basic Microbiology	3(3-0)	FC
SES-401	Introduction to Soil Science	3(2-1)	FC
	Sub-Total credit hours	18	
	Elective course (3+2)	5	
	Total credit hours	23	

List of Elective Courses in Semester-IV

(A student will opt any 2 courses for 5 credit hours, but minimum of 20 students will be required to offer a course)

Course Code	Course Title	Credit Hours	Department/Institute
AGRON-404	Introduction to Weed Science	3(2-1)	Department of Agronomy
AGRON-406	Introduction to Seed Science	2(1-1)	Department of Agronomy
BIOTECH-402	Introduction to Biotechnology and Bioinformatics	3(2-1)	Institute of Plant Breeding and Biotechnology
SST-402	Basics of Seed Production	3(2-1)	Institute of Plant Breeding and Biotechnology
FST-408	Food Quality Management	2(2-0)	Department of Food Science and Technology
FST-412	Poultry and Egg Processing	3(2-1)	Department of Food Science and Technology
HORT-404	Peri-Urban Horticulture	2(1-1)	Department of Horticulture
HORT-406	Environmental Horticulture	3(2-1)	Department of Horticulture
SES-402	Soil, Water and Air Pollution	2(2-0)	Soil and Environmental Sciences
SES-406	Carbon Sequestration and Environment	2(2-0)	Soil and Environmental Sciences
PP 404	Introduction to Plant Pathogens	3(2-1)	Institute of Plant Protection
ENT-404	Apiculture and Sericulture	3(2-1)	Institute of Plant Protection
AE-402	Economy of Pakistan	3(3-0)	Department of Agribusiness and Applied Economics
AE-404	Resource and Environmental issues of Agrarian Economy	3(3-0)	Department of Agribusiness and Applied Economics
FM-402	Principles of Farm Planning and Management	3(3-0)	Agribusiness and Applied Economics



Scheme of Studies

B.Sc. (Hons.) Agriculture

MAJOR AGRONOMY

(Semester V-VIII)

SEMESTER-V (Students will opt for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
AGRON-501	Agro-Ecology	3(2-1)	Major
AGRON-503	Irrigation Agronomy	3(2-1)	Major
AGRON-505	Field Crop Physiology	3(2-1)	Major
AGRON-507	Principles of Weed Management	3(2-1)	Major
AGRON-509	Sustainable Agriculture and Organic Farming	3(2-1)	Major
Sub-Total Credit Hours		15	
AGRON-511	Global Agriculture	3(3-0)	Elective
AGRON-513	Fodders and Forages	2(1-1)	Elective
AGRON-515	Crop Management under stressful Environments	3(2-1)	Elective
AGRON-517	Water Relations of Crop Plants	2(1-1)	Elective
AGRON-519	Outreach in Agronomy-I	3(2-1)	Elective
FME-503	Fundamentals of Precision Agriculture	2(2-0)	Elective
Total Credit Hours		(15+5)= 20	

SEMESTER-VI (Students will opt for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
AGRON-502	Seed Production Technology	3(2-1)	Major
AGRON-504	Arid and Rainfed Agriculture	3(2-1)	Major
AGRON-506	Agro-technology of Major Field Crops	3(2-1)	Major
AGRON-508	Plant Nutrients and Growth Regulators	3(2-1)	Major
BIOCHEM-502	Fundamental Bio-chemistry	3(2-1)	Supporting
Sub-Total Credit Hours		15	
AGRON-510	Crop Growth Modeling and its Application in Agriculture	3(2-1)	Elective
AGRON-512	Eco-Physiological Aspects of Weeds	3(2-1)	Elective
AGRON-514	Layout of Field Experiments	2(0-2)	Elective
AGRON-516	Agro-technology of Special Crops	2(1-1)	Elective
AGRON-518	Outreach in Agronomy-II	3(2-1)	Elective
Total Credit Hours		(15+5)= 20	



Scheme of Studies

B.Sc. (Hons.) Agriculture

MAJOR AGRONOMY (Semester V-VIII)

SEMESTER-VII (Students will opt for 2 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
AGRON-601	Medicinal and Special Crops	3(2-1)	Major
AGRON-603	Biological Crop Potential	3(2-1)	Major
AGRON-605	Conservation Agronomy	3(2-1)	Major
AGRON-607	Environment and Crop Production	3(2-1)	Major
AGRON-611	Preparation of Research Project and Scientific Writing	2(1-1)	Major
AGRON-615	Farming Systems and Record Management	3(2-1)	Major
Sub-Total credit hours		17	
AGRON-609	Application of Allelopathy in Agriculture	3(2-1)	Elective
AGRON-613	Plant and Soil Analysis	3 (2-1)	Elective
AGRON-617	Spate Irrigated Agriculture	3(2-1)	Elective
AGRON-619	Digital Agriculture	3(2-1)	Elective
Total Credit Hours		17+3=20	

SEMESTER-VIII

Course Code	Course Title	Credit Hours	Course Type
AGRON-612	Internship and External Evaluation	6 (0-6)	Major



Scheme of Studies

B.Sc. (Hons.) Agriculture

MAJOR

FOOD SCIENCE AND TECHNOLOGY

(Semester V-VIII)

SEMESTER V

Course Code	Course Title	Credit Hours	Course Type
FST-501	Principles of Human Nutrition	3(3-0)	Major
FST-503	Food Microbiology	3(2-1)	Major
FST-505	Fruit and Vegetable Processing	3(2-1)	Major
FST-507	Dairy Technology	3(2-1)	Major
FST-509	Cereal Technology	3(2-1)	Major
FST-511	Food Analysis and Sensory Evaluation	3(2-1)	Major
FST-513	Beverage Technology	2(2-0)	Major
Total Credit Hours		20	

SEMESTER VI

Course Code	Course Title	Credit Hours	Course Type
FST-502	Food Chemistry	3(3-0)	Major
FST-504	Unit Operations in Food Processing	3(2-1)	Major
FST-506	Meat Technology	3(2-1)	Major
FST-508	Technology of Oils and Fats	3(2-1)	Major
FST-510	Food Toxicology & Safety	3(3-0)	Major
FST-512	Extrusion Technology and Snack Food	3(2-1)	Major
FST-514	Sugar Technology and Confectionary	2(2-0)	Major
Total Credit Hours		20	

SEMESTER VII (Students will opt for 12 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
FST-601	Instrumental Techniques in Food Analysis	3(1-2)	Major
FST-603	Food Safety and Quality Management	3(3-0)	Major
FST-611	Research Projects and Scientific Writing	2(1-1)	Major
Total Credit Hours		08	
FST-605	Outreach in Food Science and Technology	3(2-1)	Elective
FST-607	Food Laws and Regulations	3(3-0)	Elective
FST-609	Food Packaging	3(3-0)	Elective
FST-613	Food Product Development	3(1-2)	Elective
FST-615	Bakery Products Technology	3(2-1)	Elective
FST-617	Food Plant Layout	3(3-0)	Elective
FST-619	Food Process Engineering	3(3-0)	Elective
FST-621	Food Biotechnology	3(2-1)	Elective
Total Credit Hours		8 + 12 = 20	

SEMESTER VIII

Course Code	Course Title	Credit Hours	Course Type
FST-602	Internship and External Evaluation	6(0-6)	Major



Scheme of Studies

B.Sc. (Hons.) Agriculture

MAJOR HORTICULTURE

(Semester V-VIII)

SEMESTER-V (Students will opt for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
HORT-501	Principles of Fruit Production	4(3-1)	Major
HORT-503	Principles of Vegetable Production	3(2-1)	Major
HORT-505	Ornamental Horticulture	3(2-1)	Major
HORT-507	Medicinal and Aromatic Plants	2(1-1)	Major
Biochem-502	Fundamental Biochemistry	3(2-1)	Supporting
Sub-Total Credit Hours		15	
HORT-509	Nutrient Management of Horticultural Crops	3(1-2)	Elective
HORT-511	Greenhouse Crops	3(2-1)	Elective
HORT-513	House Plants	2(1-1)	Elective
HORT-515	Innovative Technologies for Vegetable Production	2(1-1)	Elective
HORT-517	Outreach in Horticulture-I	2(1-1)	Elective
Total Credit Hours		15 + 5 = 20	

SEMESTER-VI (Students will opt for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
HORT-502	Production of Fruits	4(3-1)	Major
HORT-504	Production of Vegetables	3(2-1)	Major
HORT-506	Landscape Plants	3(2-1)	Major
HORT-508	Basics of Plant Tissue Culture	2(1-1)	Major
Bot-502	Advanced Botany	3(2-1)	Supporting
Sub-Total Credit Hours		15	
HORT-512	Minor Fruit Crops	3(2-1)	Elective
HORT-514	Organic Horticulture Production	3(2-1)	Elective
HORT-516	Good Agricultural Practices in Horticulture	2(1-1)	Elective
HORT-518	Business Management in Horticulture	2(1-1)	Elective
HORT-520	Outreach in Horticulture-II	2(1-1)	Elective
Total credit hours		15 + 5 = 20	

SEMESTER-VII (Students will opt for 2 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
HORT-603	Breeding of Horticultural Crops	3(2-1)	Major
HORT-605	Research Methods in Horticulture	3(2-1)	Major
HORT-607	Propagation and Nursery Management	4(2-2)	Major
HORT-609	Commercial Flower Production	3(2-1)	Major
HORT-611	Preparation of Research Projects and Scientific Writing	2(1-1)	Major
HORT-613	Harvest and Handling of Horticultural Crops	3(2-1)	Major
Total Credit Hours		18	
HORT-615	Temperate Fruits	2(1-1)	Elective
HORT-617	Vegetable and Flower Seed production	2(1-1)	Elective
HORT-619	Food Safety in Horticultural Crops	2(1-1)	Elective
Total Credit Hours		18 + 2 = 20	

SEMESTER-VIII

Course Code	Course Title	Credit Hours	Course Type
HORT-612	Internship and External Evaluation	6(0-6)	Major



Scheme of Studies

B.Sc. (Hons.) Agriculture

MAJOR SOIL SCIENCE

(Semester V-VIII)

SEMESTER-V (Students will opt for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
SES-501	Physical Properties of Soils	3(2-1)	Major
SES-503	Chemical Properties of Soils	3(2-1)	Major
SES-505	Soil Genesis and Morphology	3(2-1)	Major
SES-507	Instrumentation and Laboratory Techniques	3(1-2)	Major
SES-509	Applied Mathematics for Soil Science	3(3-0)	Major
Sub-Total Credit Hours		15	
SES-511	Plant Growth under Stress Environment	3(2-1)	Elective
SES-513	Microbial Ecology and Plant Growth	3(3-0)	Elective
SES-515	Municipal Wastes and its Transformations	2(2-0)	Elective
SES-517	Soil Fertility Evaluation	2(1-1)	Elective
Total Credit Hours		15 + 5 = 20	

SEMESTER-VI (Students will opt for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
SES-502	Salt-Affected Soils and Water Quality	3(2-1)	Major
SES-504	Soil Fertility and Fertilizer Use	3(2-1)	Major
SES-506	Soil Survey and Land Evaluation	3(2-1)	Major
SES-508	Nutrient Management in Degraded Soils	3(2-1)	Major
Chem-502	Environmental Chemistry and Bio-chemistry	3(2-1)	Supporting
Sub Total credit hours		15	
SES-510	Soil – Water – Plant Relationships	3(3-0)	Elective
SES-512	Soil Chemistry and Plant Growth	3(3-0)	Elective
SES-514	GIS in Soil Survey and Land Use Planning	2(1-1)	Elective
SES-516	Outreach in Soil Science	2(1-1)	Elective
Total credit hours		15 + 5 = 20	

SEMESTER-VII (Students will opt for 3 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
SES-601	Soil Microbiology and Environment	3(2-1)	Major
SES-603	Environment Pollution and Management	3(3-0)	Major
SES-605	Soil, Water and Environment Conservation	3(3-0)	Major
SES-609	Elements of Soil Physics	3(2-1)	Major
SES-611	Preparation of Research Proposal and Scientific Writing	2(1-1)	Major
Stat-601	Applied Statistics for Soil and Environment	3(2-1)	Supporting
Total credit hours		17	
SES-607	Saline Agriculture	3(2-1)	Elective
SES-613	Experimental Planning	3(2-1)	Elective
Total credit hours		17 + 3 = 20	

SEMESTER-VIII

Course Code	Course Title	Credit Hours	Course Type
SES-612	Internship and External Evaluation	6(0-6)	Major



Scheme of Studies

B.Sc. (Hons.) Agriculture

MAJOR PLANT BREEDING AND GENETICS

(Semester V-VIII)

SEMESTER-V (Students will opt for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
PBG-501	Principles of Genetics	3(2-1)	Major
PBG-503	Breeding Field Crops	3(2-1)	Major
PBG-505	Cytogenetics	3(2-1)	Major
PBG-507	Germplasm Resources of Field Crops	3(3-0)	Major
PBG-509	Experimentation in Plant Breeding	3(2-1)	Major
Sub-Total Credit Hours		15	
PBG-511	Breeding for Plant Quality Traits	3(2-1)	Elective
PBG-513	Hybrid Seed Production Technology	3(2-1)	Elective
PBG-515	Heteroploidy and Apomixis in Crop Breeding	2(1-1)	Elective
PBG-517	Mutation Breeding in Crop Plants	2(1-1)	Elective
Total Credit Hours		15+5=20	

SEMESTER-VI (Students will opt for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
PBG-502	Breeding Climate Smart Crops	3(2-1)	Major
PBG-504	Modern Concepts in Plant Breeding	3(2-1)	Major
PBG-506	Genetics and Breeding of Fibre Crops	3(2-1)	Major
PBG-508	Genetics and Breeding of Oilseed Crops	3(2-1)	Major
PBG-510	Genetics and Breeding of Vegetable Crops	3(2-1)	Major
Sub-Total Credit Hours		15	
PBG-512	Genetics and Breeding of High-value (Minor and Medicinal) Crops	3(2-1)	Elective
PBG-514	Genetics and Breeding of Sugar Crops	3(2-1)	Elective
PBG-516	Outreach in Plant Breeding	2(1-1)	Elective
PBG-518	IPR and Variety Development	2(1-1)	Elective
Total Credit Hours		15+5=20	

SEMESTER-VII (Students will opt for 2 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
PBG-601	Genetics and Breeding of Cereal Crops	3(2-1)	Major
PBG-603	Genetics and Breeding of Pulse Crops	3(2-1)	Major
PBG-605	Genetics and Breeding of Fodder and Forage Crops	3(2-1)	Major
PBG-607	Bioinformatics in Plant Breeding	3(2-1)	Major
PBG-609	Quantitative Genetics and Biometry	4(3-1)	Major
PBG-611	Preparation of Research Project and Scientific Writing	2(1-1)	Major
Sub-Total Credit Hours		18	
PBG-613	Bio-Safety Measures in GM Crops	2(1-1)	Elective
PBG-615	Plant Genomics	2(1-1)	Elective
Total Credit Hours		18+2=20	

SEMESTER-VIII

Course Code	Course Title	Credit Hours	Course Type
PBG-612	Internship and External Evaluation	6(0-6)	Major



Scheme of Studies

B.Sc. (Hons.) Agriculture

MAJOR SEED SCIENCE AND TECHNOLOGY

(Semester V-VIII)

SEMESTER-V (Students will opt for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
SST-501	Principles of Seed Science	3(2-1)	Major
SST-503	Physiology of Seed Development	3(2-1)	Major
SST-505	Seed Production in Various Crops	3(2-1)	Major
SST-507	Seed Health and Vigour	3(2-1)	Major
PBG-513	Hybrid Seed Production Technology	3(2-1)	Supporting
Sub-Total Credit Hours		15	
SST-509	Seed Production of Transgenic Crops	3(2-1)	Elective
PBG-509	Experimentation in Plant Breeding	3(2-1)	Elective
PBG-517	Mutation Breeding in Crop Plants	2(1-1)	Elective
SES-517	Soil Fertility Evaluation	2(1-1)	Elective
Total Credit Hours		15+5=20	

SEMESTER-VI (Students will opt for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
SST-502	Principles of Seed Technology	3(2-1)	Major
SST-504	Seed Germination and Dormancy	3(2-1)	Major
SST-506	Seed Certification and Registration	2(1-1)	Major
PBG-518	IPR and Variety Development	2(1-1)	Supporting
FMP-510	Seed Processing Industries & their maintenance	3(2-1)	Supporting
MAB-516	Seed Trade Policies and Regulations	2(1-1)	Supporting
Sub-Total Credit Hours		15	
AGRON-502	Seed Science and Technology	3(2-1)	Elective
ENT-508	Stored Products Pests & their Management	3(2-1)	Elective
SST-510	Biological Potential of Various Crops	2(1-1)	Elective
SES-508	Nutrient Management in Degraded Soils	3(2-1)	Elective
Total Credit Hours		15+5=20	

SEMESTER-VII (Students will opt for 2 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
SST-601	Seed Testing	3(1-2)	Major
SST-603	Seed Storage	3(2-1)	Major
HORT-607	Propagation and Nursery Management.	4(2-2)	Major
SST-611	Preparation of Research Project and Scientific Writing	2(1-1)	Major
PP-601	Plant Disease Management	3(2-1)	Supporting
MAB-615	Seed Marketing and Logistics	3(2-1)	Supporting
Sub-Total Credit Hours		18	
SST-605	Seed Enhancement	2(1-1)	Elective
PBG-613	Bio-Safety Measures in GM Crops	2(1-1)	Elective
HORT-617	Vegetable and Flower Seed Production	2(1-1)	Elective
ENT- 615	Postharvest Protection of Cereals	2(1-1)	Elective
Total Credit Hours		18+2=20	

SEMESTER-VIII

Course Code	Course Title	Credit Hours	Course Type
SST-612	Internship and External Evaluation	6(0-6)	Major



Scheme of Studies

B.Sc. (Hons.) Agriculture

MAJOR BIOTECHNOLOGY

(Semester V-VIII)

SEMESTER-V (Students will opt for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
Biotech-501	Principles of Biotechnology	3 (2-1)	Major
Biotech-503	Introduction to Biosafety	3 (2-1)	Major
Biotech-505	Molecular Cell Biology	3 (2-1)	Major
Biotech-507	Modern Concepts in Biotechnology	3 (2-1)	Major
Biotech-509	Introduction to Bioinformatics and Functional Genomics	3 (2-1)	Major
Sub-Total Credit Hours		15	
AGRON-505	Field Crop Physiology	3 (2-1)	Elective
SST-509	Seed Production of Transgenic Crops	3 (2-1)	Elective
PBG-505	Cytogenetics	3 (2-1)	Elective
Biotech-511	Molecular Virology	2(1-1)	Elective
Biotech-513	Biophysics and Computational Biology	2(1-1)	Elective
Total Credit Hours		15+5=20	

SEMESTER-VI (Students will opt for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
Biotech-502	Genomics and Proteomics	3 (2-1)	Major
Biotech-504	Epigenetics	3(2-1)	Major
Biotech-506	Plant Transformation	4(3-1)	Major
Biotech-508	Principles of Plant Molecular Physiology	3 (2-1)	Major
Biotech-510	Nanobiotechnology	2 (1-1)	Major
Sub-Total Credit Hours		15	
Biochem-502	Fundamental Biochemistry	3 (2-1)	Elective
PBG-504	Modern Concepts in Plant Breeding	3 (2-1)	Elective
ENT-516	Introduction to Insect Molecular Genetics	2 (1-1)	Elective
PP-518	Biotechnology and its applications in Plant Pathology	2 (1-1)	Elective
Total Credit Hours		15+5=20	

SEMESTER-VII (Students will opt for 2 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
Biotech-601	Agricultural Biotechnology	4(3-1)	Major
Biotech-603	Genome Editing and its Applications	3 (2-1)	Major
Biotech-605	Fundamentals of Seed Molecular Biology	3(2-1)	Major
FST-621	Food Biotechnology	3 (2-1)	Major
Biotech-611	Preparation of Research Project and Scientific Writing	2 (1-1)	Major
Biotech-613	Biotechnology Entrepreneurship	3(2-1)	Major
Sub-Total Credit Hours		18	
PBG-613	Bio-Safety Measures in GM Crops	2 (1-1)	Elective
Biotech-615	Industrial Biotechnology	2(1-1)	Elective
Biotech-617	Animal Biotechnology	2 (1-1)	Elective
Total Credit Hours		18+2=20	

SEMESTER-VIII

Course No.	Course Title	Credit Hours	Course Type
Biotech-612	Internship and External Evaluation	6(0-6)	Major



Scheme of Studies

B.Sc. (Hons.) Agriculture

MAJOR ENTOMOLOGY (Semester V-VIII)

SEMESTER-V (Students will opt for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course type
ENT-501	Insect Morphology	3(2-1)	Major
ENT-503	Principles of insect Taxonomy	3(2-1)	Major
ENT-505	Insect Ecology	3(2-1)	Major
ENT-507	Insect Pests of Household, Human & Animals	3(2-1)	Major
ENT-509	Insect Behaviour	3(2-1)	Major
Sub-Total Credit Hours		15	
ENT-511	Vertebrate Pests and their Management	3(2-1)	Elective
ENT-513	Pest Management and Phytosanitary Measures	3(2-1)	Elective
ENT-515	Insect Biodiversity Management	2(1-1)	Elective
ENT-517	Entomological History and Literature	2(1-1)	Elective
Total Credit Hours		(15+5) = 20	

SEMESTER-VI (Students will opt for 2 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course type
ENT-502	Insect Physiology	3(2-1)	Major
ENT-504	Insect Classification and Biodiversity	3(2-1)	Major
ENT-506	Agricultural Pests & their Management	4(3-1)	Major
ENT-508	Stored Products Pests & their Management	3(2-1)	Major
ENT-510	Beneficial Insects	3(2-1)	Major
ENT-512	Biological Control of Insect Pests	3(2-1)	Major
Sub-Total Credit Hours		19	
ENT-514	Introduction to Insect Molecular Genetics	2(1-1)	Elective
ENT-516	Arachnid Pests and their Management	2(1-1)	Elective
Total Credit Hours		(19+2) = 21	

SEMESTER-VII (Students will opt for 2 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course type
ENT-601	Integrated Pest Management	4(3-1)	Major
ENT-603	Plant Resistance to Insect Pests	2(1-1)	Major
ENT-605	Insecticides and their Application	3(2-1)	Major
ENT-607	Range and Forest Entomology	3(2-1)	Major
ENT-609	Agriculture and Environmental Pollution	3(2-1)	Major
ENT-611	Preparation of Research Project and Scientific Writing	2(1-1)	Major
ENT-613	Apiculture	3(2-1)	Major
Sub-Total Credit Hours		20	
PP-601	Plant Disease Management	3(2-1)	Compulsory
Sub-Total Credit Hours		3	
ENT-615	Post-Harvest Protection of Cereals	2(1-1)	Elective
ENT-617	Agricultural Pesticide Legislation	2(2-0)	Elective
Total Credit Hours		(20+3+2) = 25	

SEMESTER-VIII

Course Code	Course Title	Credit Hours	Course Type
ENT-612	Internship and External Evaluation	6(0-6)	Major



Scheme of Studies

B.Sc. (Hons.) Agriculture

MAJOR PLANT PATHOLOGY

(Semester V-VIII)

SEMESTER-V (Students will opt minimum for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
PP-501	Introductory Mycology	3(2-1)	Major
PP-503	Introduction to Plant Parasitic Nematodes	3(2-1)	Major
PP-505	Introduction to Plant Prokaryotes	3(2-1)	Major
PP-507	Introduction to Plant Viruses	3(2-1)	Major
PP-509	Abiotic Diseases of Plants	3(2-1)	Major
Sub-Total Credit Hours		15	
PP-511	Beneficial Microorganisms for Sustainable Agriculture	3(2-1)	Elective
PP-513	Soil-Borne Plant Pathogens	3(2-1)	Elective
Total Credit Hours		15+6=21	

SEMESTER-VI (Students will opt minimum for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
PP-504	Diseases of Field Crops	3(2-1)	Major
PP-506	Diseases of Fruits and Ornamentals	3(2-1)	Major
PP-508	Pesticides, their Action and Applications	3(2-1)	Major
PP-510	Plant Diseases Epidemiology	3(2-1)	Major
ENT-506	Agriculture Pests and their Management	3(2-1)	Major
Sub-Total credit hours		15	
PP-512	Biology and Cultivation of Edible Fungi	3(2-1)	Elective
PP-514	Diseases of Vegetable Crops	3(2-1)	Elective
PP-516	Histopathology of Diseased Plants	3(2-1)	Elective
PP-518	Biotechnology and its Applications in Plant Pathology	3(2-1)	Elective
Total credit hours		15+6=21	

SEMESTER-VII (Students will opt minimum for 2 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
PP-601	Plant Disease Management*	3(2-1)	Major
PP-603	Methods and Techniques in Plant Pathology	3(1-2)	Major
PP-605	Seed and Post-Harvest Pathology	3(2-1)	Major
PP-607	Plant Resistance to Diseases	3(2-1)	Major
PP-609	Introductory Molecular Plant Pathology	3(2-1)	Major
PP-611	Preparation of Research Projects and Scientific Writing	2(1-1)	Major
Total credit hours		17	
PP-613	Introductory Range and Forest Pathology	3(2-1)	Elective
PP-615	Plant Quarantine and SPS Measures	3(2-1)	Elective
Total credit hours		17+3=20	

SEMESTER-VIII

Course Code	Course Title	Credit Hours	Course Type
PP-612	Internship and External Evaluation	6(0-6)	Major

*This course will be opted as a major course by the students of Entomology in 7th semester



Scheme of Studies

B.Sc. (Hons.)

ENVIRONMENTAL SCIENCE (Semester I-VIII)

SEMESTER-I

Course Code	Course Title	Credit Hours	Course Type
ENV-303	Introduction to Earth Sciences	3 (2-1)	FC
SES-301	Introduction to Environmental Science	2 (2-0)	FC
BIO-301	Essentials of Biology	3 (2-1)	GC
IS-301/SSh-301	Islamic Studies (for Muslims)/ Ethics (for Non-Muslims)	3 (3-0)	CC
ENG-301	Composition and Communication Skills	3 (3-0)	CC
MATH-301	Elementary Mathematics	3 (3-0)	CC
CS-301	Computer Science and Information Technology	2 (0-2)	CC
UAM-301	Social and Religious Tolerance	3 (2-1)	AC
QS-302	Quranic Studies	1 (1-0)	AC
Total Credit Hours		15+4=19	

SEMESTER-II

Course Code	Course Title	Credit Hours	Course Type
ENV-302	Basic Chemistry	3 (2-1)	GC
ENV-304	Biology for Environmental Studies	3 (2-1)	GC
AIEH-222	Professional Ethics	2 (2-0)	GC
STAT-302	Introductory Statistics	2 (2-0)	CC
SSH-302	Pakistan Studies	2 (2-0)	CC
ECON-309	Principles of Economics	3 (3-0)	GC
ENG -310	Functional English	3 (3-0)	CC
UAM-302	Citizenship Education and Community Engagement	3 (2-1)	AC
QS-302	Quranic Studies	1 (1-0)	AC
Total Credit Hours		16+2=18	

SEMESTER-III

Course Code	Course Title	Credit Hours	Course Type
ENV-403	Environmental Chemistry	3 (2-1)	FC
ENV-405	Environmental Physics	3 (2-1)	FC
ENV-407	Fundamentals of Ecology	3 (3-0)	FC
ENV-409	Environmental Pollution	3 (2-1)	FC
RS-409	Rural Sociology and Development	2 (2-0)	GC
BBAA-412	Social Psychology and Self-Development	3(3-0)	CC
QS-302	Quranic Studies	1 (1-0)	AC
Total Credit Hours		14+3=17	



Scheme of Studies

B.Sc. (Hons.)

ENVIRONMENTAL SCIENCE (Semester I-VIII)

SEMESTER-IV

Course Code	Course Title	Credit Hours	Course Type
ENV-404	Environmental Microbiology	3 (2-1)	FC
ENV-408	Research Methods in Environmental Science	3 (2-1)	FC
ENV-410	Climatology	3(2-1)	FC
ENV-412	GIS and Remote Sensing	3(2-1)	MC
SES-406	Carbon Sequestration and Environment	3 (2-1)	MC
AIEH-212	Human Resource Management	2 (2-0)	GC
ECON-418	Environmental Economics	3(3-0)	GC
QS-302	Quranic Studies	1 (1-0)	AC
Total Credit Hours		15+5=20	

SEMESTER-V (Students will opt for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
ENV-519	Applied Ecology	3 (3-0)	MC
ENV-521	Environmental Toxicology	3 (2-1)	MC
ENV-523	Environmental Profile of Pakistan	3 (3-0)	FC
ENV-525	Population and Environment	3 (2-1)	FC
ENV-527	Analytical Techniques in Environmental Science	3 (1-2)	FC
QS-302	Quranic Studies	1 (1-0)	AC
Sub-Total Credit Hours		15	
ENV-529	Solid Waste Management	2(2-0)	EC
ENV-531	Soil and Environment	2 (2-0)	EC
SES-511	Plant Growth under Stress Environment	3(2-1)	EC
SES-513	Microbial Ecology and Plant Growth	3(3-0)	EC
Total Credit Hours		15+5=20	

SEMESTER – VI (Students will opt for 5 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
ENV-520	Environmental Management Systems	3(2-1)	MC
ENV-522	Biodiversity and Conservation	3(2-1)	MC
ENV-524	Environmental Monitoring	3(2-1)	MC
ENV-526	Introduction to Climate Change	3(2-1)	MC
ENV-528	Environmental Impact Assessment	3(2-1)	MC
QS-302	Quranic Studies	1 (1-0)	AC
Sub-Total Credit Hours		15	
ENV-530	Water Resources Management	3(2-1)	EC
ENV-532	Pollutants Movement in Soil	2 (2-0)	EC
ENT-512	Insecticides and Environmental Pollution	3(2-1)	EC
AE-514	Project Management and Evaluation	2(2-0)	EC
AIET-3113	Environmental Management System for Industry	3(2-1)	EC
Total Credit Hours		14+6=20	



Scheme of Studies

B.Sc. (Hons.)

ENVIRONMENTAL SCIENCE (Semester I-VIII)

SEMESTER-VII (Students will opt for 2 credit hours from elective courses)

Course Code	Course Title	Credit Hours	Course Type
ENV-615	Environmental Governance	3 (3-0)	MC
ENV-617	Public Health and Environment	3 (3-0)	MC
ENV-619	Pollution Control Technologies	3 (2-1)	MC
ENV-621	Natural Resources Management	3 (3-0)	MC
SES-611	Preparation of Research Proposal and Scientific Writing	2(1-1)	CC
QS-302	Quranic Studies	1 (1-0)	AC
Sub-Total Credit Hours		15	
ENV-625	Environmental Biotechnology	2(2-0)	EC
AE-613	Economics of Climate Change	2(2-0)	EC
Total Credit Hours		15+2=17	

SEMESTER-VIII

Course Code	Course Title	Credit Hours	Course Type
ENV-612	Internship and External Evaluation	6(0-6)	MC
Total Credit Hours		6(0-6)	

FC=Foundation course, CC=Compulsory course, MC=Major course, GC=General course, EC=Elective course, AC=Audit course



Scheme of Studies

B.Sc. (Hons.)

HUMAN NUTRITION & DIETETICS
(Semester I-VIII)

Semester I

Course Code	Course Title	Credit Hours	Course Type
ENG -301	Composition and Communication Skills	3(3-0)	Compulsory
CS-301	Computer Science and Information Technology	2(0-2)	Fundamental
HND-301	Micronutrients in Human Nutrition	3(3-0)	Fundamental
HND-303	Assessment of Nutritional Status	3(2-1)	Major
HND-305	Macronutrients in Human Nutrition	3(3-0)	Fundamental
HND-307	Metabolism of Nutrients	2(2-0)	Major
PHYSIO-301	Human Physiology-I	3(2-1)	Fundamental
Total Credit Hours 19(15-4)			

Semester II

Course Code	Course Title	Credit Hours	Course Type
SSH-302	Pakistan Studies	2(2-0)	Compulsory
STAT-302	Introductory Statistics	2(2-0)	Compulsory
SOC-302	Fundamentals of Sociology/Behavior	3(3-0)	General
BIOCHEM-302	Clinical Biochemistry	3(1-2)	General
PHYSIO-302	Human Physiology-II	3(2-1)	Fundamental
HND-302	Public Health Nutrition	3(2-1)	Major
HND-304	Nutritional Deficiency Disorders	3(3-0)	Major
UAM-301	Social and Religious Tolerance	2(2-0)	Audit
Total Credit Hours 19(15-4)			

Semester III

Course Code	Course Title	Credit Hours	Course Type
IS-401/SSH-402	Islamic Studies/Ethics (for Foreigners / Non-Muslims)	3(3-0)	Compulsory
BIOTECH-401	Basics of Molecular Biology and Biotechnology	2(2-0)	General
FST-419	Food laws and regulations	3(3-0)	Major
ANAT-401	Human Anatomy	3(2-1)	Fundamental
PHARM-401	Pharmacology-I	3(3-0)	Major
HND-401	Nutrition and Psychology/Behavior	3(3-0)	Major
HND-403	Preventive Nutrition	3(3-0)	Major
UAM-302	Citizenship Education & Community Engagement	3(2-1)	Audit
Total Credit Hours 20(19-1)			

Semester IV

Course Code	Course Title	Credit Hours	Course Type
FST-402	Essentials of Food Science and Technology	3(2-1)	Fundamental
PATH -402	General Human Pathology	3(2-1)	Fundamental
PHARM-402	Pharmacology-II	3(3-0)	Major
HND-402	Nutrition Through the Life Cycle	3(3-0)	Major
HND-404	Nutritional Immunology	3(3-0)	Major
HND-406	Nutrition Epidemiology	3(3-0)	Major
HND-408	Nutrition Policies and Programs	3(3-0)	Major
Total Credit Hours 21(19-2)			



Scheme of Studies

B.Sc. (Hons.)

HUMAN NUTRITION & DIETETICS
(Semester I-VIII)

Semester V

Course Code	Course Title	Credit Hours	Course Type
FST-501	Principles of Human Nutrition	3(3-0)	Fundamental
FST-503	Food Microbiology	3(2-1)	General
FST-511	Food Analysis and Sensory Evaluation	3(2-1)	General
HND-501	Functional Foods and Nutraceuticals	3(3-0)	Major
HND-503	Nutritional Education and Awareness	3(2-1)	Fundamental
HND-505	Nutrition Through Social Protection	2(2-0)	Major
HND-507	Dietetics-I	3(2-1)	Major
Total Credit Hours 20 (16-4)			

Semester VI

Course Code	Course Title	Credit Hours	Course Type
HND-502	Dietetics-II	3(2-1)	Major
HND-504	Drug-Nutrient Interactions	2(2-0)	Major
HND-506	Food Supplements	2(2-0)	Major
HND-508	Research Methods in Nutrition	3(1-2)	Major
HND-510	Meal Planning and Management	3(2-1)	Major
			13 (9-4)
Elective Courses			
HND-512	Water Safety in Developing World	3(2-1)	Elective
HND-514	Food Toxins and Allergens	3(3-0)	Elective
HND-516	Sports Nutrition	3(2-1)	Elective
FST-502	Food Chemistry	3(3-0)	Elective
			6
Total Credit Hours 13+6=19			

Semester VII

Course Code	Course Title	Credit Hours	Course Type
FST-619	Food Safety and Quality Management	2(2-0)	General
HND-601	Dietetics-III	3(2-1)	Major
HND-603	Nutritional Practices in Clinical Care	3(2-1)	Major
HND-605	Global Food Issues	3(3-0)	Major
			11(7-4)
Elective Courses			
HND-607	Nutrition in Emergencies	3(3-0)	Elective
HND-609	Genetically Modified Foods and Food Diversification	3(3-0)	Elective
HND-611	Infant and Young Child Feeding	3(2-1)	Elective
			6
Total Credit Hours 11+6= 17			

Semester VIII

Course Code	Course Title	Credit Hours	Course Type
HND-602	Internship/Project	6(0-6)	Major Course
Total Credit Hours 6(0-6)			



Scheme of Studies

B.Sc. (Hons.)

Home Economics

(Semester I-IV)

Course Code	Course Title	Credit hours
ENG-301	Composition and Communication Skills	3(3-0)
CS-301	Computer Science and Information Technology	2(0-2)
SOC-301	Fundamentals of Rural Sociology/Behavior	3(3-0)
BIOCHEM-301	Elementary Chemistry	3(2-1)
HE-301	Fundamentals of Food and Nutrition	3(3-0)
HE-303	Introduction to Home Economics	2(2-0)
HE-305	Fundamentals of Clothing & Textiles	3(2-1)
UAM-301	Social and Religious Tolerance	2(2-0) Audit
	Total	19(15-4)

SEMESTER-II

Course Code	Course Title	Credit hours
HE- 302	Introduction to Art and Design-I	3(1-2)
HE- 304	Family Problems and Intervention Strategies	2(2-0)
HE- 306	Family Clothing and Consumer Education	3(2-1)
HE- 308	Home Management and Housing I	3(2-1)
HE- 310	Food and Nutrition Education	3(2-1)
SSH-302	Pakistan Studies	2(2-0)
HORT-302	Home Gardening	3(2-1)
UAM-302	Citizenship Education and Community Engagement	3(2-1) Audit
QS-302	Quranic Studies	1(1-0) Audit
	Total	19(13-6)

SEMESTER-III

Course Code	Course Title	Credit hours
IS-401 or SSH-402	Islamic Studies or Ethics (for non-Muslim/foreigners)	3(3-0)
FST-402	Essentials of Food Science & Technology	3(2-1)
HE-401	Life Span Development	3(3-0)
HE-403	Fashion Designing	2(1-1)
HE-405	Introduction to Art and Design-II	2(0-2)
HE-407	Fundamentals of Economics	3(3-0)
HE-409	Home Management and Housing II	3(2-1)
	Total	19(14-5)

SEMESTER-IV

Course Code	Course Title	Credit hours
STAT-402	Bio-Statistics and Computer Applications	3(2-1)
HE-402	Basic Psychology	3(3-0)
HE-404	Entrepreneurship for Home Based Industry and Rural Development	2(1-1)
HE-406	Communication in Human and Family Relation	3(2-1)
HE-408	Meal Management	3(2-1)
HE-410	Communication Skills and Leadership Development	2(1-1)
HE-412	Home Economics Education, Administration & Supervision	3(3-0)
QS-302	Quranic Studies	1(1-0) Audit
	Total	19(14-5)



Scheme of Studies

B.Sc. (Hons.) Home Economics

Major Food and Nutrition (Semester V-VIII)

SEMESTER-V

Course Code	Course Title	Credit Hours
FN-501	Physiological Aspects of Nutrition	3(3-0)
FN-503	Applied Nutrition	3(3-0)
FN-505	Experimental Study of Local Cuisines	3(1-2)
FN-507	Nutritional Epidemiology in Public Health	3(2-1)
MICRO-501	Introduction to Microbiology & Immunology	3(2-1)
PHYSIO-501	Human Physiology I	3(2-1)
	Total	18(13-5)

SEMESTER-VI

Course Code	Course Title	Credit Hours
FN-502	Dietetics	3(2-1)
FN-504	Nutrition & Diet Therapy	3(2-1)
FN-506	Institutional and Food Service Management	3(2-1)
FN-508	Infant Nutrition and Child Health	3(2-1)
FN-510	Nutritional Management in Disasters	3(3-0)
FN-512	Advanced Nutrition	3(2-1)
QS-302	Quranic Studies	1(1-0) Audit
	Total	18(13-5)

SEMESTER-VII

Course Code	Course Title	Credit Hours
FST-601	Instrumental Techniques in Food Analysis	3(1-2)
FST-607	Food Product Development	3(1-2)
FST-611	Research Projects and Scientific Writing	2(1-1)
FN-601	Nutritional Practices in Clinical care	3(2-1)
FN-603	Nutritional Disorders	3(3-0)
QS-302	Quranic Studies	1(1-0) Audit
	Total	14(8-6)

Elective Courses (Choose 1 course of 3 credit hours)

Course Code	Course Title	Credit Hours
FN-605	Nutrition, Health and Prevention	3(3-0)
FN-607	Sports Nutrition	3(3-0)
FN-609	Food Allergens	3(3-0)
	Total	17(11-6)

SEMESTER-VIII

Course Code	Course Title	Credit Hours
FN-612	Internship/Project	6(0-6)
	Total	6(0-6)



Scheme of Studies

B.Sc. (Hons.) Home Economics

Major Textiles and Clothing (Semester V-VIII)

SEMESTER-V

Course Code	Course Title	Credit Hours
TC-501	Textile Designing	3(1-2)
TC-503	Textile Designing & weaving	3(2-1)
TC-505	Pattern making	3(1-2)
TC-507	Fiber Science	3(3-0)
TC-509	Fashion Designing and Illustrations	3(1-2)
TC-511	Textiles Chemistry I	3(2-1)
	Total	18(10-8)

SEMESTER-VI

Course Code	Course Title	Credit Hours
TC-502	Art of Draping	3(1-2)
TC-504	Textiles Computer aided design	3(2-1)
TC-506	Clothing Styles	3(1-2)
TC-508	Advanced Textiles	3(2-1)
TC-510	Economic, Social and Psychological aspects of Clothing and Textile	3(3-0)
TC-512	Textiles Chemistry II	3(2-1)
	Total	18(11-7)

SEMESTER-VII

Course Code	Course Title	Credit Hours
FST-611	Research Projects and Scientific Writing	2(1-1)
TC-601	Textile Testing	3(2-1)
TC-603	Dyeing and Printing	3(1-2)
TC-605	Textile Industrial Management	3(2-1)
TC-607	Decorative Fabrics	3(1-2)
	Total	14(7-7)

Elective Courses (Choose 1 course of 3 credit hours)

Course Code	Course Title	Credit Hours
TC-609	Historic Costume	3(3-0)
TC-611	Fashion Photography	3(1-2)
TC-613	Fashion and Boutique Management	3(2-1)
	Total	17(11-6)

SEMESTER-VIII

Course Code	Course Title	Credit Hours
TC-612	Internship/Project	6(0-6)
	Total	6(0-6)



Scheme of Studies

B.Sc. (Hons.) Home Economics

Major Human Development and Family Study

(Semester V-VIII)

SEMESTER-V

Course Code	Course Title	Credit Hours
HDF-501	Development from prenatal to Infancy	3(3-0)
HDF-503	Childhood Care and Development	3(2-1)
HDF-505	Theoretical Perspectives of Human Development	3(3-0)
HDF-507	Adolescent Development	3(2-1)
HDF-509	Early Childhood and Guidance	3(3-0)
HDF-511	Educational Psychology	3(2-1)
	Total	18(15-3)

SEMESTER-VI

Course Code	Course Title	Credit Hours
HDF-502	Exceptional Children	3(2-1)
HDF-504	Gender Identity and Expression	3(3-0)
HDF-506	Positive Psychology	3(3-0)
HDF-508	Abnormal Psychology	3(3-0)
HDF-510	Human and Family Ecology	3(3-0)
HDF-512	Planning and Managing Human Services	3(3-0)
	Total	18(17-1)

SEMESTER-VII

Course Code	Course Title	Credit Hours
FST-611	Research Projects and Scientific Writing	2(1-1)
HDF-601	Counseling & Guidance	3(2-1)
HDF-603	Elementary Education and Administration	3(2-1)
HDF-605	Psychological Testing	3(2-1)
HDF-607	Adulthood and Aging	3(2-1)
HDF-609	Family Dynamics	3(3-0)
	Total	17(12-5)

SEMESTER-VIII

Course Code	Course Title	Credit Hours
HDF-612	Internship/Project	6(0-6)
	Total	6(0-6)



Scheme of Studies

B.Sc. (Hons.) Home Economics

Major Art and Design

(Semester V-VIII)

SEMESTER-V

Course Code	Course Title	Credit Hours
AD-501	Commercial Art	3(1-2)
AD-503	Essentials of Interior Design I	3(1-2)
AD-505	Painting & Print Making	3(1-2)
AD-507	Interior Design	3(1-2)
AD-509	Applied Art-I	3(1-2)
AD-511	Art Education-I	3(1-2)
	Total	18(6-12)

SEMESTER-VI

Course Code	Course Title	Credit Hours
AD-502	Applied Art-II	3(1-2)
AD-504	Art Education-II	3(1-2)
AD-506	Hand Built Pottery	3(1-2)
AD-508	Art Appreciation	3(3-0)
AD-510	Drawing and Painting	3(0-3)
AD-512	Textile Design and Printing	3(1-2)
	Total	18(7-11)

SEMESTER-VII

Course Code	Course Title	Credit Hours
FST-611	Research Projects and Scientific Writing	2(1-1)
AD-601	Weaving	3(1-2)
AD-603	Graphic Communication	3(1-2)
AD-605	Essentials of Interior Design II	3(1-2)
AD-607	Ceramics	3(1-2)
AD-609	Islamic Art	3(1-2)
	Total	17(6-11)

SEMESTER-VIII

Course Code	Course Title	Credit Hours
AD-612	Internship/Project	6(0-6)
	Total	6(0-6)



Scheme of Studies

B.Sc. (Hons.) Home Economics

Major Interior and Environmental Design

(Semester V-VIII)

SEMESTER-V

Course Code	Course Title	Credit Hours
IED-501	Interior Space Planning I	3(3-0)
IED-503	Fundamentals of Interior Architecture I	3(3-0)
IED-505	Designing the Furniture	3(2-1)
IED-507	Interior Design Application	3(1-2)
IED-509	Consumer Marketing Strategies	3(2-1)
IED-511	Advance Computer Applications for Interior Design.	3(1-2)
	Total	18(12-6)

SEMESTER-VI

Course Code	Course Title	Credit Hours
IED-502	Designing functional spaces for special needs	3(2-1)
IED-504	Designing for Soft Furnishing	3(2-1)
IED-506	Interior Environment	3(2-1)
IED-508	Fundamentals of Interior Architecture II	3(1-2)
IED-510	Environmental Aesthetics	3(2-1)
IED-512	Interior Design Project 1	3(0-3)
	Total	18(9-9)

SEMESTER-VII

Course Code	Course Title	Credit Hours
FST-611	Research Projects and Scientific Writing	2(1-1)
IED-601	Interior Space Planning II	3(1-2)
IED-603	Environmental Management	3(1-2)
IED-605	Interior Design Professional Practice Management	3(2-1)
IED-607	Environmental Ethics	3(3-0)
IED-609	Interior Design Project II	3(0-3)
	Total	17(8-9)

SEMESTER-VIII

Course Code	Course Title	Credit Hours
IED-612	Internship/Project	6(0-6)
	Total	6(0-6)



Scheme of Studies

B.Sc. (Hons.) Home Economics
Major Resource and
Facility Management
(Semester V-VIII)

SEMESTER-V

Course Code	Course Title	Credit Hours
RFM-501	Essentials of Management	3(3-0)
RFM-503	Small Business Management	3(2-1)
RFM-505	Hotel Management	3(2-1)
RFM-507	Fundamentals of Marketing	3(3-0)
RFM-509	Management of Household Affairs	3(2-1)
RFM-511	Family Finance	3(3-0)
	Total	18(15-3)

SEMESTER-VI

Course Code	Course Title	Credit Hours
RFM-502	Essentials of Communication	3(3-0)
RFM-504	Household Business Management	3(2-1)
RFM-506	Home Management Supervision	3(2-1)
RFM-508	Consumer Behavior	3(3-0)
RFM-510	E-Commerce for Rural Enterprises	3(3-0)
RFM-512	Environmental Management	3(3-0)
	Total	18(16-2)

SEMESTER-VII

Course Code	Course Title	Credit Hours
FST-611	Research Projects and Scientific Writing	2(1-1)
RFM-601	Consumer Economics	3(2-1)
RFM-603	Human Resource Management	3(3-0)
RFM-605	Management in Institutions	3(3-0)
RFM-607	Organizational Behavior	3(3-0)
RFM-609	Human Resource Development	3(3-0)
	Total	17(15-2)

SEMESTER-VIII

Course Code	Course Title	Credit Hours
RFM-612	Internship/Project	6(0-6)
	Total	6(0-6)



FACULTY OF SOCIAL SCIENCES & HUMANITIES

FACULTY OF SOCIAL SCIENCES & HUMANITIES



Prof. Dr. Irfan Ahmad Baig
Dean



Message from Dean

The Global economy is becoming increasingly competitive and assurance of raw material provision now demands high level of productivity and cost effectiveness. Economics is a social science that uses sound data analysis and logical thinking to address the microeconomic consequences of human motives, incentives, regulatory and policy structures to serve as building blocks for institutions and macro economy. Economics in general can help with better decision-making, social welfare, planning and issue handling. Those who have work associated to economics can tell you what a fascinating area this is to work on. Our curriculum is continually informed by research and industry insights to be bold, rigorous and global in outlook.

As Dean, I am much privileged to introduce the Faculty of Social Sciences & Humanities. We have a team of young enthusiastic faculty members who are ready to accept challenges in the societal dimension of agriculture business and its related subjects. Agriculture based business and economics education must be responsive to this dynamic environment. We are committed to enhancing our applied research outcomes, expanding our curriculum and strengthening our connections with industry to help shape the world of agribusiness and economics in Pakistan and internationally. My team is well equipped and holds international exposure to compare and design the modern day solutions for a traditional agricultural business sector.

Producing industry-ready graduates and through impactful research, our faculty informs and advances the policy and practice that underpins the ever evolving agribusiness, agricultural and resource economics and social environment in which we live. I encourage you to join us today to lead the world of business tomorrow.



FACULTY OF SOCIAL SCIENCE & HUMANITIES

The faculty with its constituent organs has been exploring socio-economic issues of national/international importance to assist policy makers and development practitioners in formulation of pro-poor policies for sustainable development. Faculty of Social Sciences and Humanities is currently offering degree programs at undergraduate level in the disciplines of Agricultural and Resource Economics, Agribusiness, Computer Sciences and Information Technology. The Faculty also offers postgraduate degree programs in Agricultural Economics, and Computer Sciences. Keeping in view, the future requirements and challenges of 21st century, the Faculty has upgraded and revised its institutional programs both at undergraduate and postgraduate levels. The Faculty looks forward to initiate postgraduate degree programs in Agribusiness to cater market needs and public demand.

- 1. Department of Agribusiness and Applied Economics**
- 2. Department of Computer Science**
- 3. Department of Islamic Studies**
- 4. Department of English**
- 5. Department of Statistics**
- 6. Department of Agricultural Extension**





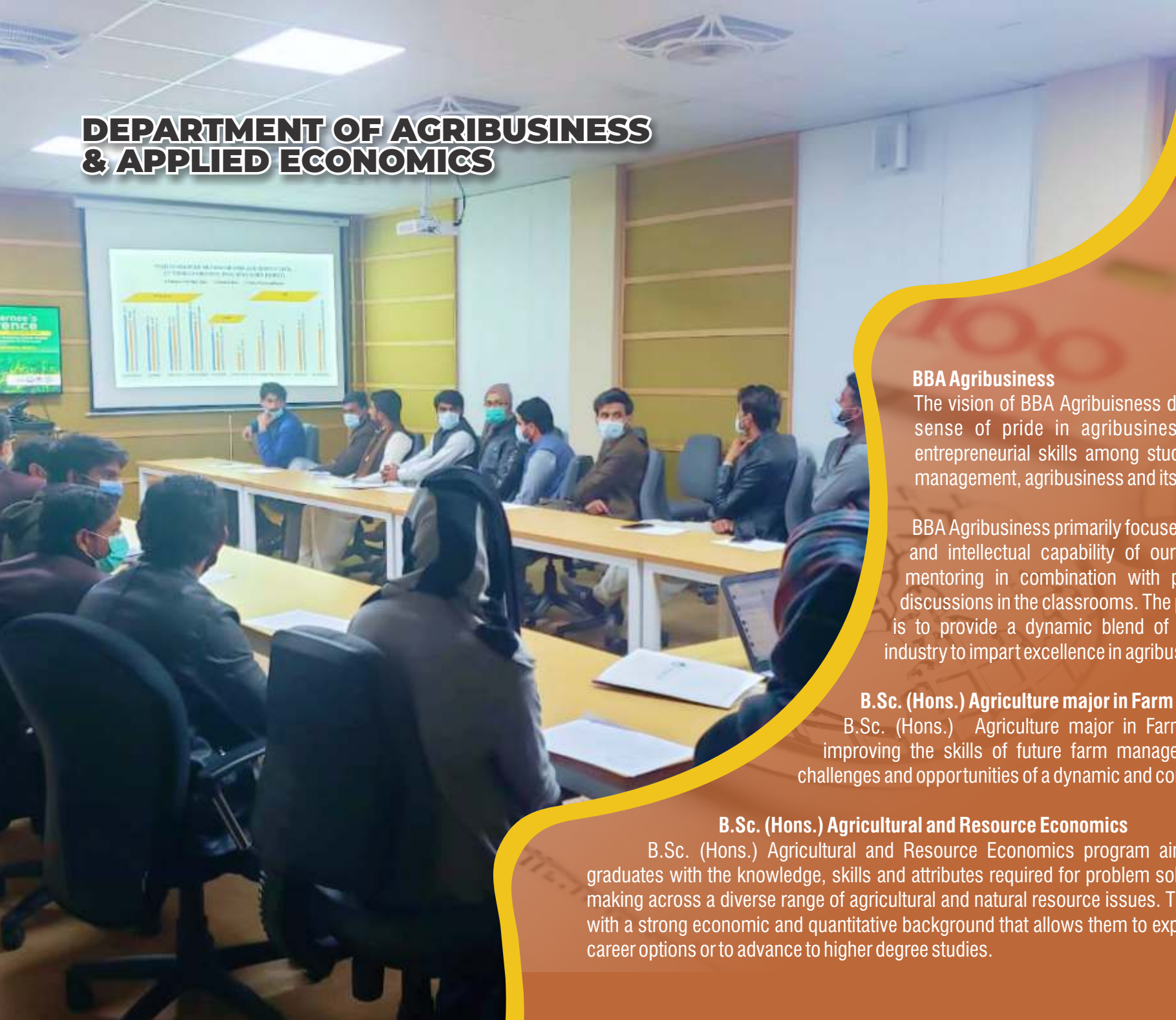
DEPARTMENT OF AGRIBUSINESS & APPLIED ECONOMICS

Population of Pakistan is increasing at an alarming rate and its majority depends directly or indirectly on 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 the rural areas. The Department of Agribusiness and Applied Economics is well aware of changing scenarios of the sector and emerging challenges of rural economy of Pakistan and is committed to equip the young social and agricultural scientists with updated knowledge and sophisticated research skills enabling them to handle day to day economics, social and environmental challenges in the achieving the goal of sustainable rural development. To cater the needs, the department offers following undergraduate programmes.

B.Sc. (Hons.) Agriculture with major Agricultural and Resource Economics

B.Sc. (Hons.) Agriculture in Agricultural and Resource Economics degree seeks to promote tertiary education and human capacity building in agricultural and resource economics. Programme mission includes achieving food security and sustainable agricultural development by providing qualified professionals of agricultural economics to contribute in various national as well as international organizations for the purpose.

DEPARTMENT OF AGRIBUSINESS & APPLIED ECONOMICS



BBA Agribusiness

The vision of BBA Agribusiness degree program is to create a sense of pride in agribusiness to develop outstanding entrepreneurial skills among students to foster excellence in management, agribusiness and its value chains.

BBA Agribusiness primarily focuses on polishing the personality and intellectual capability of our students through personal mentoring in combination with presentations and extensive discussions in the classrooms. The prime objective of this degree is to provide a dynamic blend of faculty from academia and industry to impart excellence in agribusiness education.

B.Sc. (Hons.) Agriculture major in Farm Management

B.Sc. (Hons.) Agriculture major in Farm Management is aimed at improving the skills of future farm managers to prepare them for the challenges and opportunities of a dynamic and complex agri-system.

B.Sc. (Hons.) Agricultural and Resource Economics

B.Sc. (Hons.) Agricultural and Resource Economics program aims to produce professional graduates with the knowledge, skills and attributes required for problem solving and economic decision making across a diverse range of agricultural and natural resource issues. This degree provides students with a strong economic and quantitative background that allows them to explore a variety of professional career options or to advance to higher degree studies.



DEPARTMENT OF AGRIBUSINESS & APPLIED ECONOMICS



DR. IRFAN AHMAD BAIG

Position: Professor & Dean
Qualification: Ph.D
Expertise: Climate change, Resource use efficiency, Water resource management
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DR. NASIR NADEEM

Position: Associate Professor
Qualification: Ph.D
Expertise: Agricultural Productivity, Impact analysis, Agriculture policy analysis
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DR. MUBASHIR MEHDI

Position: Associate Professor
Qualification: PhD (Agribusiness) UQ Australia
Expertise: Supply chain/Value Chain Research and Development, Agri. Entrepreneurship, Brand Management
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DR. UMAR IJAZ AHMED

Position: Assistant Professor
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DR. SAMI ULLAH

Position: Assistant Professor
Qualification: Ph.D
Expertise: Productivity and efficiency analysis, Dairy markets, Agricultural policy, Market integration
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MR. MANAN ASLAM

Position: Lecturer
Qualification: MS Agribusiness and Marketing
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MR. MUHAMMAD ARQAM IQBAL

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Expertise: Resource use efficiency and productivity, Agricultural policy and economic analysis of major crops
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MR. SHOAIB NASIR

Position: Lecturer (Agricultural Economics)
Qualification: Masters of Science (ENVIROFOOD), Germany
M.Sc. (Hons.) Environmental and Resource Economics, UAF
Expertise: Natural Resource Economics, Global GAP and International Standards Compliance
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MR. MUHAMMAD ALI IMRAN

Position: Lecturer (Agricultural Economics)
Qualification: M.Sc. (Hons.) Agricultural Economics
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Analysis, Market Integration
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MS. BEENISH SARFRAZ

Position: Lecturer
Qualification: MSBA Marketing
Expertise: Consumer behavior, Marketing and Management, Business ethic
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Department of **COMPUTER SCIENCE**

Computer Science is the subject of experimentation and engineering that form the foundation for the design and function of information processing systems. It is the scientific approach of computation and a systematic study of feasibility, structure, expression and mechanization that enables the efficient and effective access to information systems. To follow this vision, the undergraduate programs in Computer Science, Data Science and Information Technology are being offered.

The Bachelor of Science in Computer Science (BSCS), Bachelor of Science in Data Science (BSDS) and the Bachelor of Science in Information Technology (BSIT) programs are being offered at MNS-University of Agriculture, Multan. The Department of Computer Science is dedicated to train and produce quality graduates who can utilize the comprehensive knowledge in various fields of Computer Science, Data Science and Technology. These programs provide an in-depth theoretical as well as practical knowledge that will enable the students to apply their skills in the emerging areas of computer sciences.

The curriculum of BS(CS), BS(DS) and BS(IT) programs is designed to train the students with advanced knowledge, research and development skills in Software Engineering, Computer Programming, Computer Networks, Information and Network Security, Artificial Intelligence, Data Science, DBMS and Operating System.

Department of COMPUTER SCIENCE



DR. SALMAN QADRI

Position: Associate Professor & Chairman
Qualification: Ph. D
Expertise: Computer Vision, Precision Agriculture, Digital Health & Software Engineering
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MR. ADNAN ALTAF

Position: Lecturer
Qualification: MS Computer Engineering
Expertise: Digital Image Processing
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DR. AYESHA HAKIM

Position: Assistant Professor
Qualification: Ph.D
Expertise: Shape and Audio Analysis, Affective Computing, Computer Vision & Machine Learning
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MR. ISRAR HUSSAIN

Position: Lecturer
Qualification: MS Information Technology
Expertise: Semantic Web and Database
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DR. ABDUL RAZZAQ

Position: Assistant Professor
Qualification: Ph. D
Expertise: Skeleton Extraction and Animation, Digital Image Processing & Machine Learning
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MS. JAVERIA JABEEN

Position: Research Officer
Qualification: MS Computer Science
Expertise: Software Engineering
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DR. AAMIR HUSSAIN

Position: Assistant Professor
Qualification: Ph.D
Expertise: Information Security, Internet of Things (IoT), Wireless Sensor Network (WSN)
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Jawan
کامیاب جوان



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شعبہ علوم اسلامیہ

غرض و غایت:

- طلباء و طالبات کو دینی تعلیمات سے روشناس کروانے کے ساتھ ساتھ
- ۱- عصر حاضر کے نظریاتی، اخلاقی، سماجی، سیاسی اور معاشی رجحانات سے آگاہ کرنا۔
 - ۲- جذباتیت سے بلند ہو کر عصر حاضر کے چیلنجز کو شعوری بنیادوں پر سمجھنے کا اہل بنانا۔
 - ۳- دین اسلام کی آفاقی تعلیمات کو سائنٹفک اور موثر انداز سے پیش کرنے کی صلاحیت پیدا کرنا۔
 - ۴- جدید ٹیکنالوجی کے استعمال کے ساتھ ساتھ اس کے مثبت سماجی کردار و اثرات سے آگاہ کرنا۔

اہداف:

- طلباء و طالبات کے صحت مند رویوں کی تعمیر کرنا اور تربیت دینا تاکہ وہ
- ۱- دینی شعائر کا احترام کریں اور دینی احکامات کو عمل میں لائیں۔
 - ۲- معاشرہ میں بردباری، بھائی چارہ، ذہنی وسعت اور اعتدال جیسی صحت بخش اقدار کا مظاہرہ کریں اور ان کا پرچار کریں۔
 - ۳- فرقہ واریت، گروہیت، عصبیت اور طبقاتیت کے مقابلہ پر وحدت انسانیت، بھائی چارہ، امن پسندی اور مساوات کا عملی نمونہ بنیں۔
 - ۴- شعبہ زراعت میں ایجادات کے ذریعہ انسانوں کو سہولیات بہم پہنچانے میں کردار ادا کریں۔



MR. RASHEED AHMAD

Position: Lecturer

Qualification: M. Phil Islamic Studies

Expertise: Islamic Social Thoughts & Tafseeri

Literature in colonial era of subcontinent

Email: rasheed.ahmad@mnsuam.edu.pk

شعبہ علوم اسلامیہ

یونیورسٹی آف ایگریکلچر ملتان زرعی و نباتاتی علوم کی تعلیم و تحقیق کا ادارہ و تربیت گاہ ہے۔ یونیورسٹی انتظامیہ نے اس بات کا ادراک کیا کہ طلباء و طالبات کے لیے جس قدر زرعی علوم کا جاننا اہم ہے اتنا ہی دینی و سماجی علوم سے واقفیت حاصل کرنا بھی ضروری ہے۔ زراعت، تجارت، صنعت، ٹیکنالوجی کے علوم کا ارتقاء ایک سماج ہی میں ہوتا ہے۔ سماج میں موجود افراد کا ایک دوسرے سے گہرا ربط و تعلق ہوتا ہے۔ تمام لوگ ایک دوسرے سے کسی نہ کسی (معاشرتی و کسبی، نسبی و فکری) رشتے میں جڑے ہوتے ہیں۔ کسی بھی انسان کے مثبت یا منفی رویے اور بلند و پست اخلاق اس کے سماجی کردار سے نمایاں ہوتے ہیں۔ اعلیٰ کردار کی تعمیر کے لیے کسی اعلیٰ فکر کا ہونا ضروری ہے۔ تاکہ یہ جان جائے کہ سماجی تقاضے کیا ہیں؟ سماج میں موجود افراد کے باہمی تعلقات کی اساس کیا ہے؟ انسانوں کے مسلمہ اخلاق کون سے ہیں؟ طلباء و طالبات میں دین اسلام کی اعلیٰ فکر پر معاشرتی تشکیل کا شعور بیدار کیا جائے۔ تاکہ وہ انسانی اجتماع کو ترقی دینے والے اعلیٰ اخلاق کو پروان چڑھائیں اور اجتماع کو نقصان دینے والے برے اخلاق سے محفوظ رہیں۔ ان اہم معاشرتی امور کو عمل میں لانے کے لیے یونیورسٹی میں شعبہ علوم اسلامیہ کا قیام عمل میں لایا گیا۔ جس کا مقصد یونیورسٹی کے طلباء و طالبات میں دینی علوم کے اساسی ماخذ قرآن حکیم کے افکار عالیہ، خاتم النبیین حضرت محمد ﷺ کے اسوہ حسنہ، احادیث مبارکہ کے مقدس علوم اور تاریخ اسلام کے ساتھ ساتھ دینی افکار کی اساس پر قانون، سماج، سیاست، معیشت کا تعارف پیدا کرنا ہے۔ طلباء و طالبات میں مثبت سماجی رویوں کی تشکیل، اعلیٰ اخلاق کی تعمیر، اوصاف حمیدہ کی افزائش کرنا ہے۔

مقاصد:

طلباء و طالبات میں اللہ سے تعلق، انسان دوستی اور سماجی خدمت جیسے اعلیٰ تصورات کو پروان چڑھانا۔ تاکہ وہ خلوص نیت، بلند اخلاق اور شعوری کردار کے حامل ہوں۔ وہ انسان دوست جذبہ کے ساتھ زرعی علوم کو ترقی دیں اور قومی و بین الاقوامی سطح پر ملک و ملت کا نام روشن کریں۔



قرآن اور اسوہ

re Multan



Department of ENGLISH



MR. AZHER KHAN

Position: Lecturer (Study Leave)

Qualification: MS-English (Linguistics & Literature)

Expertise: Language Development, Creative &

Academic Writing, English Literature, Communication Skills

Email: azher.khan@mnsuam.edu.pk



MS. BUKHTAWAR RANA

Position: Research Officer (English)

Qualification: M.Phil (English)

Expertise: Vocabulary Building, Pedagogical Techniques,

Teaching Language through Literature, Poetry

Email: bukhtawar.rana@gmail.com



Department of **STATISTICS**

The agricultural investigations are based on the application of statistical methods and procedures which are helpful in testing hypotheses using observed data in estimations of parameters and predictions. Department of Statistics at MNS University of Agriculture Multan puts all efforts to equip the students with effective training in the field of statistics by teaching them basic and modern knowledge of the subject. The ambition is to produce graduates with skills to predict, forecast and estimate the real time data from agricultural trials and fields.



MS. SAMRA NASEEM

Position: Lecturer

Qualification: M.Phil Statistics

Expertise: Applied statistics, Data analyses

Email: samra.naseem@mnsuam.edu.pk





Department of AGRICULTURAL EXTENSION

Agricultural Extension education plays multipurpose role in the provision of need-based and demand-based knowledge by serving as a bridge between research and farming community. The program of Agricultural Extension Education at MNS-UAM is designed to provide necessary skills in understanding extension oriented activities in agriculture related disciplines. The curriculum highlights the emerging issues of new and economically important agriculture and livestock in Pakistan. Moreover, the Department is committed to quality teaching and research with improved sustainable development.



DR. MUDSSAR YASIN

Position: Assistant Professor

Qualification: PhD Agri. Extension

Expertise: Agro-technology transfer, Communication process,
Rural development

Email: mudssar.yasin@mnsuam.edu.pk



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Scheme of Studies

B.Sc. (Hons.) Agriculture MAJOR AGRICULTURAL & RESOURCE ECONOMICS (Semester V-VIII)

SEMESTER-V

Course Code	Course Title	Credit Hours	Course Type
AE-501	Microeconomics – I	3(3-0)	Major
AE-503	Macroeconomics – I	3(3-0)	Major
AE-505	Mathematics for Economists	3(3-0)	Major
AE-507	Agricultural Finance	3(3-0)	Major
AE-509	Food and Agricultural Marketing	3(3-0)	Major
STAT-501	Statistical Methods for Economist	3(3-0)	Supporting Course (SC)
	Elective from Group 1	2(2-0)	
AE-511	Agriculture and Rural Development	2(2-0)	Elective
AE-513	Introduction to Rural Sociology	2(2-0)	Elective
AE-515	Economics of Livestock Production	2(2-0)	Elective
Total Credit Hours		20(20-0)	

SEMESTER-VI

Course Code	Course Title	Credit Hours	Course Type
AE-502	Microeconomics –II	3(3-0)	Major
AE-504	Macroeconomics – II	3(3-0)	Major
AE-506	Econometrics – I	3 (2-1)	Major
AE-508	Agricultural issues and Policies of Pakistan	3(3-0)	Major
AE-510	Agribusiness Supply Chain Management	3(3-0)	Major
AE-512	Development Economics	3(3-0)	Major
	Elective from Group 2	2(2-0)	
AE-514	Project Management and Evaluation	2(2-0)	Elective
AE-516	Introduction to Labor Economics	2(2-0)	Elective
518	Pricing of Agricultural Products	2(2-0)	Elective
Total Credit Hours		20(19-1)	

SEMESTER-VII

Course Code	Course Title	Credit Hours	Course Type
601	Econometrics – II	3(2-1)	Major
603	Natural Resource Economics	3(3-0)	Major
605	International Economics	3(3-0)	Major
607	Agricultural Production Economics	3(3-0)	Major
609	Research Methods in Agricultural Economics	3(3-0)	Major
611	Islamic Economics	3(3-0)	Major
	Elective from Group 3	2(2-0)	
613	Economics of Climate Change	2(2-0)	Elective
615	Introduction to Environmental Economics	2(2-0)	Elective
617	Ecological Economics	2(2-0)	Elective
Total Credit Hours		20(19-1)	

SEMESTER-VIII

Course Code	Course Title	Credit Hours	Course Type
AE-612	Internship and External Evaluation	6(0-6)	Major
Total Credit Hours		6(0-6)	



Scheme of Studies

B.Sc. (Hons.) Agriculture

Major Farm Management (Semester V-VIII)

Semester V

Course Code	Course Title	Credit Hours
FM-501	Entrepreneurship	3(2-1)
FM-503	Introduction and Role of ICT in Agriculture	3(2-1)
FM-505	Agribusiness Marketing Strategies	3(3-0)
FM-507	Agricultural Laws	3(3-0)
FM-509	Agricultural Production Economics	3(3-0)
FM-511	Farm Planning and Budgeting using ICT	3(2-1)
FM-513	Horticulture	3(1-2)
TOTAL		21(16-5)

Semester VI

Course Code	Course Title	Credit Hours
FM-502	Risks Assessment and Mitigation	3(2-1)
FM-504	Human Resource Management and Business Ethics	3(3-0)
FM-506	Sustainable Agriculture and Organic Farming	3(2-1)
FM-508	Good Agricultural Practices (GAP) and other International Standards	3(3-0)
FM-510	Precision Agriculture	3(2-1)
FM-512	Integrated Pest Management	3(2-1)
FM-514	Post-Harvest Management and Value Addition	3(2-1)
TOTAL		21(16-5)

Semester VII

Course Code	Course Title	Credit Hours
FM-601	Internship	10(0-10)

Semester VIII

Course Code	Course Title	Credit Hours
FM-602	Internship	10(0-10)



Scheme of Studies

B.Sc. (Hons.)

Agricultural and Resource Economics (Semester I-IV)

SEMESTER I

Course Code	Course Title	Credit Hours	Course Type
ARE-301	Principles of Microeconomics	3(3-0)	Major
FRW-401	Agro-Forestry, Range and Wildlife Management	3(2-1)	FC*
LM-301	Livestock Management	2(1-1)	FC
CS-301	Computer Science & Information Technology	2(0-2)	Comp**
AEE-301	Introduction to Agri. Extension	3(2-1)	FC
ENG-301	English Composition and Comprehension	3(3-0)	Comp
Math-301	Elementary Mathematics	3(3-0)	Comp
UAM (SRT)-301	Social and Religious Tolerance Course	2(2-0)	Audit
Total Credit Hours		19(14-5)	

SEMESTER II

Course Code	Course Title	Credit Hours	Course Type
ARE-302	Principles of Macroeconomics	3(3-0)	Major
STAT-302	Introductory Statistics	2(2-0)	Comp
AGRON-302	Principles of Agronomy	3(2-1)	FC
HORT-302	Introductory Horticulture	3(2-1)	FC
ID-304	Irrigation and Drainage Practices	2(1-1)	FC
SSH-302	Pakistan Studies	2(2-0)	Comp
ENG-302	Communication and Presentation Skills	3(3-0)	Comp
UAM (SRT)-302	Active Citizenship Education	2(2-0)	Audit
QS-302	Quranic Studies	1(1-0)	Audit
Total Credit Hours		18 (15-3)	

SEMESTER III

Course Code	Course Title	Credit Hours	Course Type
ARE-401	Intermediate Microeconomics	3(3-0)	Major
SES-401	Introduction to Soil Science	3(2-1)	FC
RS-409	Rural Sociology & Development	2(2-0)	FC
IS-401/SSH-402	Islamic Studies /Ethics for Foreigners or Non-Muslims	3(3-0) / 3(3-0)	Comp
SST-501	Principles of Seed Science	3(2-1)	FC
ENG-401	Technical and Business English Writing	3(3-0)	Comp
ARE-403	Intermediate Mathematics	3(3-0)	Major
Total Credit Hours		20(18-2)	

SEMESTER IV

Course Code	Course Title	Credit Hours	Course Type
ARE-402	Intermediate Macroeconomics	3(3-0)	Major
ARE-404	Agriculture Production Economics	3(3-0)	Major
ARE-406	Economy of Pakistan	3(3-0)	Major
ARE-408	Human Resource Management and Organizational Behavior	3(3-0)	Major
ARE-410	Principles of Agricultural Marketing	3(3-0)	Major
ENT-402	General plant protection	2(1-1)	FC
HND-408	Nutrition Policies and Programs	3(3-0)	FC
QS-302	Quranic Studies	1(1-0)	Audit
Total Credit Hours		20(19-1)	



Scheme of Studies

B.Sc. (Hons.) Agricultural and Resource Economics (Semester V-VIII)

SEMESTER V

Course Code	Course Title	Credit Hours	Course Type
ARE-501	Microeconomics	3(3-0)	Major
ARE-503	Farm Planning and Budgeting	3(2-1)	Major
STAT-501	Statistical Methods for Economists	3(2-1)	Major
ARE-505	Introduction to International Trade	3(3-0)	Major
ARE-507	Mathematical Economics	3(3-0)	Major
ARE-509	Introduction to Environmental Economics	2(2-0)	Major
ARE-511	Principles and Strategies of Agribusiness Management	3(3-0)	Major
Total Credit Hours		20(18-2)	

SEMESTER VI

Course Code	Course Title	Credit Hours	Course Type
ARE-502	Macroeconomics	3(3-0)	Major
ARE-504	Development Economics	3(3-0)	Major
ARE-506	Econometrics-I	3(2-1)	Major
ARE-508	Natural Resource Economics	3(3-0)	Major
	Elective I from Group A	3(3-0)	Elective
	Elective II from Group A	3(3-0)	Elective
QS-302	Quranic Studies	1(1-0)	Audit
Total Credit Hours		18(17-1)	

SEMESTER VII

Course Code	Course Title	Credit Hours	Course Type
ARE-601	Econometrics-II	3(2-1)	Major
ARE-603	Issues and Policies of Agriculture, Resources and Environment	3(3-0)	Major
ARE-605	Research Methods in Agricultural Economics	3(2-1)	Major
ARE-607	Software Applications in Economic Analysis	2(0-2)	Major
	Elective III from Group B	3(3-0)/ 3(2-1)	Elective
	Elective IV from Group B	3(3-0)	Elective
QS-302	Quranic Studies	1(1-0)	Audit
Total Credit Hours		17(13-4) / 17(12-5)	

SEMESTER VIII

Course Code	Course Title	Credit Hours	Course Type
ARE-612	Internship & External Evaluation	6(0-6)	Major

Note: *Foundation Course and **Compulsory Course

Group A

Course Code	Course Title	Credit Hours
ARE-510	Livestock Economics	3(3-0)
ARE-512	Rural Development	3(3-0)
ARE-514	Environment & Sustainable Development	3(3-0)
ARE-516	Fundamentals of Agricultural Price Analysis	3(3-0)
ARE-518	Agricultural Finance	3(3-0)
ARE-520	Land and Water Resource Management	3(3-0)

Group B

Course Code	Course Title	Credit Hours
ARE-609	Managerial Economics	3(3-0)
ARE-611	Spatial Econometrics	3(2-1)
ARE-613	Consumer Behavior	3(3-0)
ARE-615	Islamic Economics	3(3-0)
ARE-617	Project Management and Evaluation	3(3-0)
ARE-619	Monetary Economics	3(3-0)



Scheme of Studies

BBA-AGRIBUSINESS (Semester I-IV)

Semester - I

Course Code	Course Title	Credit Hours
BBAA-301	Functional English-I	3(3-0)
BBAA-303	Basics of Agriculture	3(2-1)
BBAA-305	Soil Science and Crop Production	3(2-1)
BBAA-307	Orchard Planning and Management	3(2-1)
BBAA-309	Introduction to Agribusiness	3(3-0)
BBAA-311	Agricultural Knowledge and Information System	3(2-1)
Total Credit Hours		18 (14-4)

Semester - II

Course Code	Course Title	Credit Hours
BBAA-302	General Plant Protection	3(2-1)
BBAA-304	Natural Resource Management	3(3-0)
BBAA-306	Principles of Management	3(3-0)
BBAA-308	Functional English-II	3(3-0)
BBAA-310	Food Service Industry	3(2-1)
BBAA-312	Principles of Marketing	3(3-0)
Total Credit Hours		18 (16-2)

Semester - III

Course Code	Course Title	Credit Hours
BBAA-401	Agricultural Marketing	3(3-0)
BBAA-403	Livestock Business Management	3(2-1)
BBAA-405	Farm Mechanization	3(2-1)
BBAA-407	Communication and Presentation Skills	3(3-0)
BBAA-409	Introduction to Rural Sociology	3(3-0)
BBAA-411	Pakistan Studies	3(3-0)
Total Credit Hours		18 (16-2)

Semester - IV

Course Code	Course Title	Credit Hours
BBAA-402	Energy Resources and Utilization	3(2-1)
BBAA-406	Agribusiness Supply Chain Management	3(3-0)
BBAA-408	Islamic studies	3(3-0)
BBAA-410	Consumer Behavior	3(3-0)
BBAA-412	Social Psychology and Self-Development	3(3-0)
BBAA-414	Agribusiness Strategic Management	3(3-0)
Total Credit Hours		18 (17-1)



Scheme of Studies

BBA-AGRIBUSINESS (Semester V-VIII)

Semester - V

Course Code	Course Title	Credit Hours
BBAA-501	Principles of Microeconomics	3(3-0)
BBAA-503	Agribusiness Entrepreneurship	3(3-0)
BBAA-505	Financial Accounting	3(3-0)
BBAA-507	Business Mathematics & Statistics	3(3-0)
BBAA-509	E-Commerce in Agribusiness	3(3-0)
BBAA-511	Business Research Methods	3(3-0)
Total Credit Hours		18(18-0)

Semester - VI

Course Code	Course Title	Credit Hours
BBAA-502	Principles of Macroeconomics	3(3-0)
BBAA-504	Financial Management	3(3-0)
BBAA-506	Poultry Business Management	3(3-0)
BBAA-508	Retail Management	3(3-0)
BBAA-510	Business Ethics	3(3-0)
BBAA-512	Water Management	3(3-0)
Total Credit Hours		18(18-0)

Semester - VII

Course Code	Course Title	Credit Hours
BBAA-601	Advertisement & Sales Management	3(3-0)
BBAA-603	Introduction to International Trade	3(3-0)
BBAA-605	Human Resource Management in Agriculture	3(3-0)
BBAA-607	Harvest Technology	3(2-1)
BBAA-609	Organizational Behavior	3(3-0)
BBAA-611	Agricultural Price Analysis	3(3-0)
Total Credit Hours		18 (17-1)

Semester - VIII

Course Code	Course Title	Credit Hours
BBAA-602	Report Writing & Internship	6(0-6)
Total Credit Hours		6(0-6)



Scheme of Studies

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSCS) (Semester I-IV)

Semester-I

Course Code	Course Title	Credit Hours
CS-301	Introduction to Information & Communication Technologies	3(2-1)
CS-303	Programming Fundamentals	4(3-1)
PHY-305	Applied Physics	3(3-0)
SSH-307	Pakistan Studies	2(2-0)
ENG-309	English Composition & Comprehension	3(3-0)
Total Credit Hours		15(13-2)

Semester-II

Course Code	Course Title	Credit Hours
CS-302	Discrete Structures	3(3-0)
CS-304	Object Oriented Programming	4(3-1)
MATH -306	Calculus & Analytical Geometry	3(3-0)
ENG-308	Communication & Presentation Skills	3(3-0)
IS-310/ SSH-310	Islamic Studies Or Ethics (for foreigner / Non-Muslims)	2(2-0)
CS-312	Digital Logic Design	4(3-1)
Total Credit Hours		19(17-2)

Semester-III

Course Code	Course Title	Credit Hours
CS-401	Data Structures & Algorithms	4(3-1)
CS-403	Comp. Organization & Assembly Language	4(3-1)
MATH-405	Linear Algebra	3(3-0)
ENG-407	Technical & Business English Writing	3(3-0)
*409	Uni-Elective-I	3(3-0)
Total Credit Hours		17(15-2)

Semester-IV

Course Code	Course Title	Credit Hours
CS-402	Software Engineering	3(3-0)
CS-404	Operating Systems	4(3-1)
CS-406	Database Systems	4(3-1)
CS-408	Design & Analysis of Algorithms	3(3-0)
*410	Uni. Elective-II	3(3-0)
STAT- 412	Probability & Statistics	3(3-0)
Total Credit Hours		20(18-2)



Scheme of Studies

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSCS) (Semester V-VIII)

Semester-V

Course Code	Course Title	Credit Hours
CS-501	Computer Networks	4(3-1)
CS-503	Theory of Automata	3(3-0)
CS-505	Web Engineering	3(2-1)
CS-507	Information Security	3(3-0)
CS-509	Computer Graphics	3(2-1)
MATH-511	Differential Equations	3(3-0)
Total Credit Hours		19(16-3)

Semester-VI

Course Code	Course Title	Credit Hours
CS-502	Artificial Intelligence	4(3-1)
CS-504	Visual Programming	3(2-1)
CS-506	Graph Theory	3(3-0)
CS-508	Compiler Construction	3(2-1)
CS-510	Parallel & Distributed Computing	3(3-0)
*512	Uni-Elective-III	3(3-0)
Total Credit Hours		19(16-3)

Summer Semester

Internship

Semester-VII

Course Code	Course Title	Credit Hours
CS-601	Digital Image Processing	3(2-1)
CS-603	Mobile Application & Development	3(2-1)
CS-605	Numerical Computing	3(2-1)
SSH-607	Professional Practices	3(3-0)
*609	Uni. Elective-IV	3(3-0)
Total Credit Hours		15(12-3)

Semester-VIII

Course Code	Course Title	Credit Hours
CS-602	Data Mining & Warehousing	3(3-0)
CS-604	Final Year Project	6(0-6)
Total Credit Hours		09(3-6)



Scheme of Studies

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (BSIT) (Semester I-IV)

Semester-I

Course Code	Course Title	Credit Hours
CS-301	Introduction to Information & Communication Technology (ICT)	3(2-1)
CS-303	Programming Fundamentals	4(3-1)
PHY-305	Applied Physic	3(3-0)
SSH-307	Pakistan Studies	2(2-0)
ENG 309	English Composition & Comprehension	3(3-0)
*311	University Elective-1	3(3-0)
Total Credit Hours		18(16-2)

Semester-II

Course Code	Course Title	Credit Hours
CS-302	Discrete Structure	3(3-0)
CS-304	Object Oriented Programming	4(3-1)
MATH -306	Calculus & Analytical Geometry	3(3-0)
ENG-308	Communication & Presentation Skills	3(3-0)
IS 310 / SSH-310	Islamic Studies / Ethics (For foreigner / Non-Muslims)	2(2-0)
*312	University Elective-II	3(3-0)
Total Credit Hours		18(17-1)

Semester-III

Course Code	Course Title	Credit Hours
CS-401	Data Structure & Algorithms	4(3-1)
CS- 403	Computer Organization & Assembly Language	4(3-1)
MATH -405	Linear Algebra	3(3-0)
ENG 407	Technical & Business English Writing	3(3-0)
*409	University Elective-III	3(3-0)
IT- 411	Operation Research	3(3-0)
Total Credit Hours		20(18-2)

Semester-IV

Course Code	Course Title	Credit Hours
CS-402	Software Engineering	3(3-0)
CS 404	Operating Systems	4(3-1)
CS-406	Database Systems	4(3-1)
IT-408	Web Technologies	3(3-0)
IT-410	Information Technology Infrastructure	3(3-0)
STAT- 412	Probability & Statistics	3(3-0)
Total Credit Hours		20(18-2)



Scheme of Studies

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (BSIT) (Semester V-VIII)

Semester-V

Course Code	Course Title	Credit Hours
CS-501	Computer Networks	4(3-1)
CS-503	Theory of Automata	3(3-0)
IT-505	Database Administration & Management	4(3-1)
CS-507	Information Security	3(3-0)
IT-509	Software Requirements Engineering	3(3-0)
Total Credit Hours		17(15-2)

Semester-VI

Course Code	Course Title	Credit Hours
CS-502	Artificial Intelligence	4(3-1)
CS-504	Visual Programming	3(2-1)
IT-506	Virtual Systems & Services	4(3-1)
IT-508	Systems & Network Administration	4(3-1)
IT-510	IT Project Management	3(3-0)
Total Credit Hours		18(14-4)

Semester-VII

Course Code	Course Title	Credit Hours
IT-601	Cyber Security	3(3-0)
CS-603	Mobile Application Development	3(2-1)
IT-605	Modeling and Simulation	3(3-0)
SSH-607	Professional Practices	3(3-0)
* 609	University Elective-IV	3(3-0)
Total Credit Hours		15(14-1)

Semester-VIII

Course Code	Course Title	Credit Hours
CS-602	Data Mining & Warehousing	3(2-1)
CS-604	Final Year Project	6(0-6)
Total Credit Hours		9(2-7)

* Courses will be selected from the list of university electives at the time of enrollment.



Scheme of Studies

BACHELOR OF SCIENCE IN DATA SCIENCE (BSDS) (Semester I-IV)

Semester-I

Course Code	Course Title	Credit Hours
CS-301	Introduction to Information & Communication Technology (ICT)	3 (2-1)
CS-303	Programming Fundamentals	4 (3-1)
	Uni-Elective-I	3(3-0)
SSH-307	Pakistan Studies	2(2-0)
ENG- 309	English Composition & Comprehension	3(3-0)
Total Credit Hours		15(13-2)

Semester-II

Course Code	Course Title	Credit Hours
CS-302	Discrete Structures	3(3-0)
CS-304	Object Oriented Programming	4(3-1)
MATH -306	Calculus & Analytical Geometry	3(3-0)
ENG-308	Communication & Presentation Skills	3(3-0)
IS 310 / SSH-310	Islamic Studies / Ethics (For foreigner / Non-Muslims)	2(2-0)
CS-312	Digital Logic Design	4(3-1)
Total Credit Hours		19(17-2)

Semester-III

Course Code	Course Title	Credit Hours
CS-401	Data Structure & Algorithms	4(3-1)
CS- 403	Computer Organization & Assembly Language	4(3-1)
MATH-405	Linear Algebra	3(3-0)
ENG-407	Technical & Business English Writing	3(3-0)
	Uni-Elective-II	3(3-0)
Total Credit Hours		17(15-2)

Semester-IV

Course Code	Course Title	Credit Hours
CS-402	Software Engineering	3(3-0)
CS-404	Operating System	4(3-1)
CS-406	Database Systems	4(3-1)
CS-408	Design & Analysis of Algorithms	3(3-0)
CS-410	Introduction to Data Science	3(2-1)
STAT-412	Probability & Statistics	3(3-0)
Total Credit Hours		20(17-3)



Scheme of Studies

BACHELOR OF SCIENCE IN DATA SCIENCE (BSDS) (Semester V-VIII)

Semester-V

Course Code	Course Title	Credit Hours
CS-501	Computer Networks	4(3-1)
CS-503	Theory of Automata & Formal Languages	3(3-0)
	Uni-Elective-III	3(3-0)
CS-507	Information Security	3(3-0)
CS-509	Advance Statistics	3(3-0)
MATH-511	Differential Equation	3(3-0)
Total Credit Hours		19(18-1)

Semester-VI

Course Code	Course Title	Credit Hours
CS-502	Artificial Intelligence	4(3-1)
CS-504	Big Data Analytics	3(2-1)
CS-506	Data Warehousing & Business Intelligence	3(2-1)
	Uni-Elective-IV	3(3-0)
CS-510	Parallel & Distributed Computing	3(2-1)
Total Credit Hours		16(12-4)

Semester-VII

Course Code	Course Title	Credit Hours
CS-601	Machine Learning	3(2-1)
CS-603	Cloud Computing	3(3-0)
CS-605	Data Visualization	3(2-1)
SSH-607	Professional Practices	3(3-0)
CS-609	Data Mining	3(2-1)
Total Credit Hours		15(12-3)

Semester-VIII

Course Code	Course Title	Credit Hours
CS-602	Deep Learning	3(3-0)
CS-604	Final Year Project	6(0-6)
Total Credit Hours		9(3-6)



FACULTY OF AGRICULTURAL, BIOSYSTEM ENGINEERING & TECHNOLOGY (FABSET)



Department of Agricultural Engineering

The Department of Agricultural Engineering at MNS-University of Agriculture, Multan integrates engineering principles with natural and artificial systems to provide support for agriculture, agro-industries and engineering business enterprises. Engineers/technologists would focus on solving complex, rapidly changing problems and develop technology related to agro-industrial machinery and processes, energy and water use efficiency, renewable energy development, and instrumentation and robotics.

Internship programs are distinction of this Department. These would emphasize on hands-on practice and therefore internship programs make these degree programs unique in the country. The department also focuses on developing leadership and entrepreneurial skill, provide opportunities for community service and professional and personal growth through partner specialized institutions and professional organizations.

B.Sc. Agro-Industrial Engineering Technology

Competitive agro-industries enhance the quality of agriculture produce, create employment and generate income for both farming and non-farming community. In developing countries, fast urbanization and change in consumer preferences are met by agro-industrial development. The full potential of agro-industries as an engine for economic development has not yet been realized in Pakistan. This is due to serious lack of technical expertise and understanding related to produce properties, value addition processes, and machinery used in agro-industries of the country.



Department of Agricultural Engineering

Muhammad Nawaz Shareef University of Agriculture, Multan is the first University in Pakistan that has taken the initiative to start B.Sc. Agro-Industrial Engineering Technology program to strengthen technical workforce in agro-industries of the country, provide better quality grain and fibre, and help industries grow to contribute in country's economy. Degree programme offers a unique applied skills, and knowledge to begin career as agro-industrial technologist. This programme has been developed in consultation with industry and academics, to offer students a combined curriculum of formal education and practical experience to gain an edge through genuine industry knowledge.

The following major streams of B.Sc. Agro-Industrial Engineering Technology program are:

- Feed Milling Technology
- Grain Milling Technology
- Sugarcane Processing Technology
- Cotton Processing Technology
- Milk Processing Technology
- Food Processing Technology

Admission criteria for B.Sc. Agro-Industrial Engineering Technology:

Requisite Qualification:

Intermediate Science F.Sc. (Pre-Engineering / Pre-Agriculture / Three years Diploma of Associate Engineering (DAE), and A Level securing minimum 50% of total marks.



Department of Agricultural Engineering

Seats Distribution:

Pre-Engineering students/A Level:	50% of total seats
Pre-Agriculture students:	10% of total seats
DAE students:	40% of total seats

Merit Criteria:

70% weightage of Intermediate/three years' diploma or A- level
30% weightage of entry test

MNSUAM will accept entry test taken by MNSUAM, UET, UAF or HEC.

Program Educational Objectives (PEOs)

PEO-1	To demonstrate knowledge of agro -based industries, appropriate for career pursuits, workplace needs, and entrepreneurship.
PEO-2	Ability to identify and address technical and societal problems.
PEO-3	Demonstrate the intellectual curiosity to actively pursue the acquisition of new knowledge and skills necessary to refine and improve abilities to contribute to the technology domain.
PEO-4	Work effectively as a team member or lead multidisciplinary teams while demonstrating the interpersonal, management skills, social and ethical responsibilities.



Program Learning Outcomes (PLOs)

- 1. Engineering Technology Knowledge:** An ability to apply knowledge of mathematics, natural science, Engineering Technology fundamentals and Engineering Technology specialization to defined and applied Engineering Technology procedures, processes, systems or methodologies.
- 2. Problem Analysis:** An ability to Identify, formulate, research literature and analyze broadly-defined Engineering Technology problems reaching substantiated conclusions using analytical tools appropriate to the discipline or area of specialization.
- 3. Design/Development of Solutions:** An ability to design solutions for broadly- defined Engineering Technology problems and contribute to the design of systems, components or processes to meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
- 4. Investigation:** An ability to conduct investigations of broadly-defined problems; locate, search and select relevant data from codes, data bases and literature, design and conduct experiments to provide valid conclusions.
- 5. Modern Tool Usage:** An ability to Select and apply appropriate techniques, resources, and modern technology and IT tools, including prediction and modelling, to broadly-defined Engineering Technology problems, with an understanding of the limitations.
- 6. The Engineering Technologist and Society:** An ability to demonstrate understanding of the societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to Engineering Technology practice and solutions to broadly defined Engineering Technology problems.



Program Learning Outcomes (PLOs)

7. **Environment and Sustainability:** An ability to understand and evaluate the sustainability and impact of Engineering Technology work in the solution of broadly defined Engineering Technology problems in societal and environmental contexts.
8. **Ethics:** Understand and commit to professional ethics and responsibilities and norms of Engineering Technology practice
9. **Individual and Team Work:** An ability to Function effectively as an individual, and as a member or leader in diverse teams.
10. **Communication:** An ability to communicate effectively on broadly defined Engineering Technology activities with the Engineering Technologist community and with society at large, by being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project Management:** An ability to demonstrate knowledge and understanding of Engineering Technology management principles and apply these to one's own work, as a member or leader in a team and to manage projects in multidisciplinary environments.
12. **Lifelong Learning:** An ability to recognize the need for, and have the ability to engage in independent and life-long learning in specialist Engineering Technologies.





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ENGR. MUHAMMAD WAQAS

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ENGR. AYESHA KHALID

Position: Lab Engineer
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Expertise: Industrial and Manufacturing Engineering
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Scheme of Studies B.Sc. AGRO-INDUSTRIAL ENGINEERING TECHNOLOGY (Semester I-III)

Semester - I

Course Code	Course Title	Category	Credit Hours	
			Theory	Practical
AIET-112	Engineering Drawing and Graphics	(Engineering Foundation)	1	1
AIET-123	Metallurgy and Workshop Practices	(Major based Depth)	2	1
AIET-134	Fluid Mechanics	(Engineering Foundation)	3	1
AIES-113	Applied Mathematics-I	(Natural Science)	3	0
AIET-143	Introduction to Agro-Based Industry	(Major based Depth)	2	1
AIEH-112	Islamic Studies	(Humanities)	2	0
Total			13	4
Grand Total			13+04 = 17	

Semester - II

Course Code	Course Title	Category	Credit Hours	
			Theory	Practical
AIET-152	Computer Aided Design	(Engineering Foundation)	1	1
AIET-163	Engineering Mechanics	(Engineering Foundation)	2	1
AIET-173	Farm and Industrial Structures	(Major based Depth)	2	1
AIES-123	Applied Physics	(Natural Science)	2	1
AIES-133	Applied Mathematics-II	(Natural Science)	3	0
AIEH-122	Pakistan Studies	(Humanities)	2	0
AIEH-133	Composition and Communication Skills	(Humanities)	3	0
Total		15	4	
Grand Total		15 + 04 = 19		

Semester - III

Course Code	Course Title	Category	Credit Hours	
			Theory	Practical
AIET-213	Applied Thermodynamics	(Major based Depth)	2	1
AIET-223	Manufacturing Processes	(Major based Depth)	2	1
AIET-233	Human factor Engineering and Ergonomics	(Engineering Foundation)	2	1
AIET-243	Industrial Material Handling & Processes	(Major based Depth)	2	1
AIEH-212	Human Resource Management	(Humanities)	2	0
AIES-213	Industrial Chemistry	(Natural Science)	2	1
Total			12	5
Grand Total			12+ 5 = 17	



Scheme of Studies B.Sc. AGRO-INDUSTRIAL ENGINEERING TECHNOLOGY (Semester IV-VI)

Semester - IV

Course Code	Course Title	Category	Credit Hours	
			Theory	Practical
AIET-253	IC Engine	(Major based Breadth)	2	1
AIET-263	Mechanics of Material	(Major based Depth)	2	1
AIET-273	Post-Harvest Processes	(Major based Depth)	2	1
AIES-222	Engineering Economics and Management	(Natural Science)	2	0
AIET-283	Grain Science for Industry	(Major based Breadth)	2	1
AIES-233	Statistics and Probability	(Natural Science)	3	0
AIEH-222	Professional Ethics	(Humanities)	2	0
Total			15	4
Grand Total			15 + 04 = 19	

Semester - V

Course Code	Course Title	Category	Credit Hours	
			Theory	Practical
AIET-313	Machine Design	(Major based Breadth)	2	1
AIET-323	Instrumentation and Control	(Major based Depth)	2	1
AIET-333	Total Quality Management	(Major based Depth)	2	1
AIET-343	Industrial Engineering and Management	(Major based Depth)	2	1
AIEH-312	Communication and Presentation Skills	(Humanities)	2	0
Electives				
AIET-353	Feed Milling Technology	(Major based Breadth)	2	1
AIET-363	Cotton Ginning and Fiber Technology	(Major based Breadth)	2	1
AIET-373	Sugar Technology	(Major based Breadth)	2	1
Total			12	5
Grand Total			12 + 05 = 17	

Semester - VI

Course Code	Course Title	Category	Credit Hours	
			Theory	Practical
AIET-383	Automation and Robotics	(Major based Depth)	2	1
AIET-393	Boiler Engineering and Plant system	(Major based Depth)	2	1
AIET-3103	Industrial Computer Programming	(Major based Breadth)	2	1
AIET-3113	Environmental Management System for Industry	(Major based Breadth)	2	1
AIEH-322	Entrepreneurship	(Humanities)	2	0
Electives				
AIET-3123	Grain Milling Technology	(Major based Breadth)	2	1
AIET-3133	Technology of Oils and Fats	(Major based Breadth)	2	1
AIET-3143	Seed Science and Seed Processing Technology	(Major based Breadth)	2	1
AIEH-330	Chinese Language	(Humanities)	0	0
Total			12	5
Grand Total			12 + 05 = 17	



Scheme of Studies B.Sc. AGRO-INDUSTRIAL ENGINEERING TECHNOLOGY (Semester VII-VIII)

Semester - VII

Course code	Course Title	Credit hours	
		Theory	Practical
AIET-4116	Supervised Industrial Training	0	16
Total		0	16
Grand total		00 + 16 = 16	

Semester - VIII

Course Code	Course Title	Credit Hours	
		Theory	Practical
AIET-4216	Supervised Industrial Training	0	16
Total		0	16
Grand Total		00 + 16 = 16	

Total credit Hours = 138





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FACULTY OF VETERINARY AND ANIMAL SCIENCES





FACULTY OF VETERINARY AND ANIMAL SCIENCES

Faculty of Veterinary and Animal Sciences (FVAS), MNS University of Agriculture, Multan, is constituted recently and is striving hard to earn repute of excellence with intellect and future foresight. University Syndicate in its meeting held on May 3, 2019 has approved the establishment of following eight (08) departments in the Faculty.

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

Programs Offered

Following degree programs and diplomas are being offered in the Faculty of Veterinary and Animal Sciences in addition to introductory courses of B.Sc. (Hons.) Agriculture and BBA Agribusiness.

1. B.Sc. (Hons.) Poultry Sciences (4 years)

The BS (Hons.) Poultry Science 4-years (8 semesters) degree program aims equipping the students with knowledge and skills required to analyze and finding the solutions of challenges faced by poultry sector in present scenario, consistence with the interest of all stakeholders.

2. B.Sc. (Hons.) Animal Sciences (4 years)

Livestock is an important sector of Pakistan having share of 60. 54 percent in agriculture and 11. 22



FACULTY OF VETERINARY AND ANIMAL SCIENCES

percent in GDP. South Punjab is enriched with huge no of livestock population and majority of people is engaged in Livestock farming. The program will help in provision of skilled human resource in animal science to address and solve problems of livestock farmers of South Punjab.

The BS (Hons.) Animal Sciences 4 years (8 semesters) degree aims equipping the students with knowledge and skills required to analyze and finding the solutions of challenges faced by Livestock sector in present scenario, consistence with the interest of all stakeholders. Animal Science – the study of the biological function of domestic and captive animals and their utilization by people – focuses on modern, efficient and humane ways to care for and make the best use of the animals who share our lives. The degree provides a broad foundation in biological sciences and instruction in basic sciences, research skills and the health, welfare, behavior, nutrition, genetics and breeding of animals, including farm animals, pets and performance animals. The program also includes a component in practical skills such as animal handling and the development of lifelong learning skills, critical thinking and effective communication with scientists and lay people involved with animals.

3. BS Microbiology (4 years)

Microbiology is the basis of all sciences. It is one of the largest and most complex of the biological sciences as it deals with many diverse biological disciplines. It deals with every aspects of microbe-human as well as animals and environmental interaction. It deals with future challenges such as finding new ways to combat disease. It involves in the creation of new drugs, vaccines and high-quality food and reduction of pollution in the environment. It is also used as vectors to treat the diseases and enhance agricultural productivity. So, it's the need of the hour to start the BS Microbiology degree in southern Punjab area because of its high importance in human life. It will provide the knowledge and future employment for the people of southern Punjab in the sector Food, Cosmetics, Medical, Agriculture, Pharmaceuticals Diagnostics, Sanitation, Quality control and Biosafety and Biosecurity.



FACULTY OF VETERINARY AND ANIMAL SCIENCES

4. BS Zoology (4 years)

Zoology is the study the origin and development of animal species, the habits and behavior of animals, and the interaction between animals and their environment. It is multidisciplinary in nature, involving study of organisms and their genetic, morphological and physiological attributes, their surrounding environment, and their role in conservation of environment. Zoology is a combination of various disciplines such as Genetics, Physiology, Ecology, Developmental Biology, Microbiology, Parasitology, Entomology, Evolution, Taxonomy, Freshwater Biology, Fisheries and Wildlife etc. This subject has significant role in human resource development, food security, environmental conservation, sustainable development and ultimately in alleviation of poverty. Students will also have opportunities to conduct independent research on addressing new available technologies in zoology.





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MR. WAQAR ZAIB

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MR. NASIR NIAZ

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Expertise: Animal Physiology

Qualification: M.Phil.

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MR. MUHAMMAD USMAN

Position: Lecturer

Qualification: M. Phil. Biotechnology

Expertise: Gene cloning, Gene Transformation, Nanoparticles

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Scheme of Studies B.Sc. (Hons.) Poultry Science (Semester I-IV)

SEMESTER-I

Course Code	Course Title	Credit Hours
PS-301	Introduction to Poultry Science	3(2-1)
AN-301	Fundamentals of Animal Nutrition	3(2-1)
ABG-301	Principles of Heredity	3(2-1)
ENG-301	Composition and Communication Skills	3(3-0)
CS-301	Computer Appreciation and Application	3(2-1)
Biochem-301	General Biochemistry	3(2-1)
Total		18

SEMESTER-II

Course Code	Course Title	Credit Hours
PS-302	Poultry Breeding Practices	2(1-1)
PS-303	Poultry Physiology	3(2-1)
MATH-301	Elementary Mathematics	3(3-0)
AN-302	Metabolism of Primary Nutrients	3(2-1)
ENG-302	Communication and Presentation Skills	3(3-0)
SSH-302	Pakistan Studies	2(2-0)
Zool-302	Animal Biodiversity	2(1-1)
SRT-301	Social and Religious Tolerance	Audit
QS-302	Quranic Studies	Audit
Total		18

SEMESTER-III

Course Code	Course Title	Credit Hours
PS-401	Incubation Principles and Hatchery Management	3(2-1)
PS-403	Poultry Housing and Equipment	3(2-1)
AN-303	Mineral and Vitamin Metabolism	3(2-1)
IS301/SSH-301	Islamic Studies/Ethics (for Non-Muslims)	3(3-0)
Micro-301	General Microbiology and Immunology	3(2-1)
STAT-302	Introductory Statistics	2(2-0)
UAM-302	Citizenship Education and Community Engagement	Audit
Total		17

SEMESTER-IV

Course Code	Course Title	Credit Hours
PS-402	Fancy Bird Production	3(2-1)
PS-404	Poultry Feeding Practices	3(2-1)
PS-406	Broiler Production and Management	3(2-1)
PS-408	Poultry Meat Inspection	2(1-1)
AN-404	Feed Evaluation, Formulation and Processing Technology	3(2-1)



Scheme of Studies

B.Sc. (Hons.) Poultry Science

(Semester V-VIII)

ABG-401	Introductory Population Genetics	2(1-1)
AEE-402	Communication Skills and Leadership Development	2(1-1)
QS-302	Quranic Studies	Audit
Total		18

SEMESTER-V

Course Code	Course Title	Credit Hours
PS-503	Layer Production and Management	3(2-1)
ABG-501	Applied Poultry Breeding	3(2-1)
ENG-401	Technical and business English Writing	3(3-0)
FMP-507	Farm Equipment, Structure & Processing	3(2-1)
EPH-505	Epidemiology and Public Health	3(2-1)
Path-505	Poultry Pathology	3(2-1)
Total		18

SEMESTER-VI

Course Code	Course Title	Credit Hours
ABG-502	Introductory Molecular Genetics	3(2-1)
PS-504	Production and Management of Breeder Flock	3(2-1)
PS-604	Rural Poultry Production	2(1-1)
PS-605	Farm Records and Data Analysis	2(1-1)
AN-502	Principles of Poultry Nutrition	3(2-1)
MAB-601	Agri-Business Management, Marketing and WTO	2(2-0)
Micro-510	One Health	3(2-1)
QS-302	Quranic Studies	Audit
Total		18

SEMESTER-VII

Course Code	Course Title	Credit Hours
PS-601	Poultry Products Technology	3(2-1)
PS-603	Poultry Marketing and Economics	3(2-1)
PS-506	Poultry Farm Practices	2(0-2)
PS-602	Poultry Farm Management & Biosecurity	2(1-1)
AN-601	Poultry Feed Industry	3(2-1)
PS-611	Preparation of Research Project and Scientific Writing	2(1-1)
Med-501	Poultry Medicine	3(2-1)
QS-302	Quranic studies	Audit
Total		18

SEMESTER-VIII

Course Code	Course Title	Credit Hours
PS-610	Internship	6(0-6)



Scheme of Studies B.Sc. (Hons.) Animal Sciences (Semester I-IV)

Semester-I

Course Code	Course Title	Credit Hours
LM-302	Principles of Dairy Production	3(2-1)
AR-302	Introduction to Animal Reproduction	3(2-1)
AN-302	Metabolism of Primary Nutrients	2(1-1)
STAT-302	Introductory Statistics	2(2-0)
BIOCHEM-301	General Biochemistry	3(2-1)
ENG-302	Communication and Presentation Skills	3(3-0)
PHYSIO-302	Introduction to Animal Physiology	2(1-1)
UAM-301	Social and Religious Tolerance	Audit
QS-302	Quranic Studies	Audit
Total		18

Semester-II

Course Code	Course Title	Credit Hours
LM-301	Introduction to Livestock Management	3(2-1)
AN-301	Fundamentals of Animal Nutrition	2(1-1)
ABG-301	Principles of Animal Breeding	3(2-1)
ENG-301	English composition and comprehension	3(3-0)
ANAT-301	Introduction to Veterinary Anatomy	2(1-1)
IS-301/SSH-301	Islamic Studies/Ethics (for Non-Muslims)	3(3-0)
SSH-302	Pakistan Studies	2(2-0)
Total		18

Semester-III

Course Code	Course Title	Credit Hours
ABG-402	Introductory Molecular Genetics	3(2-1)
AN-402	Nutrient Requirements of Farm Animals	3(2-1)
LM-402	Animal House Design	3(2-1)
MATH-301	Elementary Mathematics	3(3-0)
FRW-402	Agro-Forestry, Range and Wildlife Management	3(2-1)
CS-301	Computer Science and Information Technology	3(2-1)
QS-302	Quranic Studies	Audit
Total		18

Semester-IV

Course Code	Course Title	Credit Hours
ABG-401	Introductory Population Genetics	3(2-1)
LM-401	Principles of Small Ruminant Production	2(1-1)
AN-403	Minerals and Vitamins in Nutrition	2(2-0)
PS-401	Introduction to Poultry Science	2(1-1)
AGRON-401	Fodders and Forages	2(1-1)
ZOOL-401	Fish and Fisheries of Pakistan	2(1-1)
ENT-401	Insect Pests of Household, Human and Animals	2(1-1)
ENG-401	Technical and business English Writing	3(3-0)
UAM-302	Citizenship Education and Community Engagement	Audit
Total		18



Scheme of Studies

B.Sc. (Hons.) Animal Sciences

(Semester V-VIII)

Semester-V

Course Code	Course Title	Credit Hours
ABG-501	Utilization and Conservation of Animal Genetic Resources	3(2-1)
LM-501	Range Livestock Production	3(2-1)
AN-501	Feeding of Farm Animals	3(2-1)
MICRO-510	One Health	3(2-1)
LM-503	Management of Dairy Animals	3(2-1)
AE-501	Human Resource Management	2(2-0)
Total		17

Semester-VI

Course Code	Course Title	Credit Hours
ABG-502	Selection for Economic Traits in Farm Animals	3(2-1)
LM-502	Camel Production	2(1-1)
AN-502	Principles of Poultry Nutrition	2(1-1)
PS-502	Poultry Feeding Practices	2(1-1)
LM-504	Equine Production	2(1-1)
AS-502	Livestock and Poultry Marketing Management	2(2-0)
PATH-502	Pathobiology	2(1-1)
LM-506	Record Keeping in Livestock	2(1-1)
LM-508	Lab and Zoo Animal Management	1(0-1)
QS-302	Quranic Studies	Audit
Total		18

Semester-VII

Course Code	Course Title	Credit Hours
ABG-601	Introduction to Animal Genomics	3(2-1)
LM-601	Principles of Meat Production	2(1-1)
LM-603	Behavior and Welfare of Farm Animals	2(1-1)
AN-601	Feed Evaluation, Formulation and Processing Technology	3(2-1)
PS-601	Poultry Hygiene and Disease Prevention	2(1-1)
FMP-601	Fundamentals of Mechanized Farming	2(1-1)
AS-601	Remote Sensing and GIS Applications in Animal Sciences	2(1-1)
AS-611	Preparation of Research Project and Scientific Writing	2(1-1)
QS-302	Quranic Studies	Audit
Total		18

Semester-VIII

Course Code	Course Title	Credit Hours
AS-612	Internship and Research Project	6(0-6)



Scheme of Studies BS Microbiology (Semester I-IV)

SEMESTER-I

Course Code	Course Title	Credit Hours
MICRO-301	Fundamentals of Microbiology	3(2-1)
MICRO-303	Molecular Cell Biology	3(2-1)
CS-301	Computer Science and Information Technology	3(2-1)
BIOCHEM-301	General Biochemistry	3(2-1)
ENG-301	English Composition and Comprehension	3(3-0)
IS-302/SSH-301	Islamic Studies OR Ethics (for Foreign/Non-Muslim Students)	3(3-0)
Total		18

SEMESTER-II

Course Code	Course Title	Credit Hours
MICRO-302	Introduction to Mycology	2(1-1)
MICRO-304	Basic Immunology	3(2-1)
MICRO-306	General Virology	3(2-1)
SSH-302	Pakistan Studies	2(2-0)
ENG-302	Communication and Presentation Skills	3(3-0)
MICRO-308	Basic Biotechnology	2(1-1)
MATH-301	Elementary Mathematics	3(2-1)
UAM-301	Social and Religious Tolerance	Audit
QS-302	Quranic Studies	Audit
Total		18

SEMESTER-III

Course Code	Course Title	Credit Hours
MICRO-401	Introduction to Cell Culture	3(2-1)
MICRO-403	Bacterial Cell Physiology	3(2-1)
STAT-302	Introductory Statistics	2(2-0)
PATH -401	General Pathology	3(2-1)
BOT-401	Plant Diversity	3(2-1)
UAM-302	Citizenship Education and Community Engagement	Audit
ENG-401	Technical and Business English Writing	3(3-0)
Total		17

SEMESTER-IV

Course Code	Course Title	Credit Hours
MICRO-402	Fundamentals of Microbial Genetics	3(2-1)
MICRO-404	Antimicrobial Resistance & Probiotics	2(1-1)
MICRO-406	Proteomics	2(1-1)
MICRO-408	General Bacteriology	3(2-1)
EPH-401	Epidemiology and Public Health	3(2-1)
PATH -402	Clinical Pathology	3(1-2)
PARA-401	Clinical Parasitology	2(1-1)
QS-302	Quranic Studies	Audit
Total		18



Scheme of Studies BS Microbiology (Semester V-VIII)

SEMESTER-V

Course Code	Course Title	Credit Hours
MICRO-501	Genetic Engineering & Biotechnology	3(2-1)
MICRO-503	Applied Immunology	3(2-1)
MICRO-505	Marine and Fresh Water Microbiology	3(2-1)
MICRO-507	Soil Microbiology	3(2-1)
MICRO-509	Food and Dairy Microbiology	3(2-1)
MICRO-511	Basic Bioinformatics	3(2-1)
Total		18

SEMESTER-VI

Course Code	Course Title	Credit Hours
MICRO-502	Medical Microbiology	2(1-1)
MICRO-504	Systematic Virology	3(2-1)
MICRO-506	Environmental Microbiology	3(2-1)
MICRO-508	Industrial Microbiology	3(2-1)
ZOOL-302	Animal Biodiversity	2(1-1)
MICRO-510	One Health	3(2-1)
MICRO-512	Quality Control in Biologics	2(1-1)
QS-302	Quranic Studies	Audit
Total		18

SEMESTER-VII

Course Code	Course Title	Credit Hours
MICRO-601	Pharmaceutical Microbiology	3(2-1)
MICRO-603	Introduction to Vaccinology	3(2-1)
MICRO-605	Diagnostic Microbiology	3(0-3)
MICRO-607	Biosafety and risk Management	3(2-1)
MICRO-609	Bio-entrepreneurship	2(2-0)
UAM-611	Preparation of Research Project and Scientific Writing	2(1-1)
MICRO-611	Emerging Issues in Microbiology	2(2-0)
QS-302	Quranic Studies	Audit
Total		18

SEMESTER-VIII

Course Code	Course Title	Credit Hours
MICRO-612	Internship/ Research Project	6(0-6)
Total		6



Scheme of Studies BS Zoology (Semester I-IV)

SEMESTER-I

Course Code	Course Title	Credit Hours
ENG-301	English composition and comprehension	3(3-0)
SSH-302	Pakistan Studies	2(2-0)
MATH-301	Elementary Mathematics	3(2-1)
BOT-301	Diversity of Plants	3(2-1)
CHEM-1	Inorganic Chemistry	3(2-1)
ZOOL-301	Principles of Animal Life-I	3(2-1)
Total		17

SEMESTER-II

Course Code	Course Title	Credit Hours
ENG-302	Communication and Presentation Skills	3(3-0)
IS-301/SSH-301	Islamic Studies/Ethics (for Non-Muslims)	3(3-0)
STAT-302	Introductory Statistics	2(2-0)
BOT-302	Plant Systematics, Anatomy & Development	3(2-1)
CHEM-11	Organic Chemistry	3(2-1)
ZOOL-302	Principles of Animal Life-II	3(2-1)
UAM-301	Social and Religious Tolerance	Audit
QS-302	Quranic Studies	Audit
Total		17

SEMESTER-III

Course Code	Course Title	Credit Hours
ENG-401	Technical and Business English Writing	3(3-0)
CS-301	Computer Science and Information Technology	3(2-1)
BOT-401	Plant Physiology and Ecology	3(2-1)
CHEM-111	Physical Chemistry	3(2-1)
ZOOL-401	Animal Diversity: Invertebrates	3(2-1)
ZOOL-403	Zoo and Wildlife	3(3-0)
UAM-302	Citizenship Education and Community Engagement	Audit
Total		18

SEMESTER-IV

Course Code	Course Title	Credit Hours
BOT-402	Botany-IV	3(2-1)
ZOOL-402	Animal Diversity: Chordates	3(2-1)
ZOOL-404	Animal Form & Function-I	3(2-1)
ZOOL-406	Animal Form & Function-II	3(2-1)
ZOOL-410	Bioinformatics	3(1-2)
BIOCHEM-301	General Biochemistry	3(2-1)
QS-302	Quranic Studies	Audit
Total		18



Scheme of Studies BS Zoology (Semester V-VI)

SEMESTER-V

Course Code	Course Title	Credit Hours
ZOOL-501	Cell & Molecular Biology	3(2-1)
PBG-501	Principles of Genetics	3(2-1)
ZOOL-503	Physiology	3(2-1)
ZOOL-507	Aquatic Biology	3(2-1)
	Major (Elective)	3
	Major (Elective)	3
Total		18

Major (Elective) Fisheries and Aquaculture

Course Code	Course Title	Credit Hours
ZOOL-510	Aquaculture and Fisheries	3(2-1)
ZOOL-511	Fish and Fisheries of Pakistan	3(2-1)

Parasitology

Course Code	Course Title	Credit Hours
PARA-501	General Parasitology	3(2-1)
PARA-503	Protozoology	3(1-2)

Wildlife

Course Code	Course Title	Credit Hours
WDLF-501	Principles of Wildlife Management	3 (3-0)
WDLF -503	Biodiversity and Wildlife	3(2-1)

SEMESTER-VI

Course Code	Course Title	Credit Hours
ZOOL-502	Evolution & Principles of Systematic	3(2-1)
ZOOL-504	Developmental Biology	3(2-1)
ZOOL-506	Animal Behavior	3(2-1)
ZOOL-508	Biodiversity	3(2-1)
QS-302	Quranic Studies	Audit
	Major (Elective)	3
	Major (Elective)	3
Total		18

Major (Elective) Fisheries and Aquaculture

Course Code	Course Title	Credit Hours
ZOOL-602	Limnology	3(2-1)
ZOOL-604	Aquaculture Nutrition	3(2-1)



Scheme of Studies BS Zoology (Semester VII-VIII)

Parasitology

Course Code	Course Title	Credit Hours
PARA-502	Helminthology	3(2-1)
PARA-504	Insect Pests of Household, Human and Animals	3(2-1)

Wildlife

Course Code	Course Title	Credit Hours
WDLF-502	Biology of Birds and Mammals in Pakistan	3(2-1)
WDLF-504	Conservation Biology and Wildlife	3(2-1)

SEMESTER-VII

Course Code	Course Title	Credit Hours
ZOOL-601	Environmental Biology	3(2-1)
ZOOL-603	Zoogeography & Paleontology	3(2-1)
ZOOL-605	Aquatic toxicology	3(2-1)
ZOOL-611	Preparation of Research Project and Scientific Writing	2(1-1)
QS-302	Quranic Studies	Audit
	Major (Elective)	3
	Major (Elective)	3
Total		17

Majors (Elective) Fisheries and Aquaculture

Course Code	Course Title	Credit Hours
ZOOL-606	Sea Food Technology	3(2-1)
ZOOL-609	Ichthyology	3(2-1)

Parasitology

Course Code	Course Title	Credit Hours
PARA-601	Epidemiology and Public Health	3(2-1)
PARA-603	Clinical Parasitology	3(2-1)

Wildlife

Course Code	Course Title	Credit Hours
WDLF-601	Wildlife of Pakistan	3(2-1)
WDLF-603	Wildlife Diseases and Management	3(2-1)

SEMESTER-VIII

Course Code	Course Title	Credit Hours
ZOOL-612	Project Report/Internship	6(0-6)
Total		06



Undergraduate Statutes & Regulations



Undergraduate Statutes & Regulations

THE STATUTES AND REGULATIONS RELATING TO THE FIRST DEGREE AWARDED BY MUHAMMAD NAWAZ SHAREEF UNIVERSITY OF AGRICULTURE, MULTAN

I. STATUTES

1. In these Statutes unless there is anything repugnant in the subject or context;

- (i) "Audit Course" means a course attended without any liability of taking its examination.
- (ii) "Credit Hour" means the successful completion of a course of one semester hour in theory or 2-3 semesters' hours in practical per week. One credit hour will be equal to 50 minutes student teacher contact per week for 16 weeks and for laboratory/practical work its duration will be 2-3 hours.
- (iii) "Deficiency Course" means a course in which a student has been adjudged deficient by a competent body of the University.
- (iv) "Non Credit Course" means a course of study, successful completion of which would not be a requirement for the degree.
- (v) "Semester" means teaching time of 19 weeks inclusive of admission, conduct of examination, preparation and declaration of results etc. and gazetted holidays.

2. Duration & Medium of the course

- (i) The minimum number of semesters for completing the course for the degree of B.Sc. (Hons.) Agriculture, B.Sc. (Hons.) Environmental Science, B.Sc. (Hons.) Agricultural and Resource Economics, B.Sc. (Hons.) Human Nutrition and Dietetics, B.Sc. (Hons.) Home Economics, BBA-Agri. Business, BS Computer Science, BS Data Science, BS Information Technology, B.Sc. Agro-Industrial Engineering and Technology, B.Sc. (Hons.) Poultry Sciences, B.Sc.





Undergraduate Statutes & Regulations

(Hons.) Animal Science, BS Microbiology and BS Zoology shall be eight. Provided that in case a student does not qualify for the award of degree within the minimum period of eight semesters, he/she may continue his/her studies for a maximum of four consecutive semesters beyond which he/she shall not be eligible for enrolment.

- (ii) The medium of instructions and examinations shall be English except in the case of Islamic Studies, which shall be in Urdu.

3. Duration of Semester

- (i) There will be two semesters in each academic year, Winter and Spring of 19 weeks each. The commencement of the semesters will be according to the academic calendar.

Explanation: Out of 19 weeks, 16 weeks shall be the actual teaching time, the rest may be utilized for admission, conduct of examinations, preparation and declaration of results etc.

- (ii) There will also be a summer session of 8 to 10 weeks duration as part of an academic year, and shall be optional. Students who wish to pass 'F' grade(s) and to improve 'D' grade(s) course(s) may enroll in summer session in the courses offered. It shall not count towards residential requirements.

4. Scheme of Studies

The schemes of studies for various degree examinations shall be as given in the Appendices appended to the Statutes. This schedule may be amended from time to time.

5. Minimum Requirements for various Degrees

The minimum credit requirement for instituting the various degrees shall be as follows. The limit of credit hours may be increased/decreased from time to time according to the requirements or as prescribed by HEC.



B.Sc. (Hons.) Agriculture	141 credit hours for duration of 8 semesters
B.Sc. (Hons.) Environmental Science	137 credit hours for duration of 8 semesters
B.Sc. (Hons.) Human Nutrition and Dietetics	141 credit hours for duration of 8 semesters
B.Sc. (Hons.) Home Economics	135 credit hours for duration of 8 semesters
B.Sc. (Hons.) Agricultural and Resource Economics	138 credit hours for duration of 8 semesters
BBA Agribusiness	132 credit hours for duration of 8 semesters
BS (Computer Science)	133 credit hours for duration of 8 semesters
BS (Data Science)	130 credit hours for duration of 8 semesters
BS (Information Technology)	135 credit hours for duration of 8 semesters
B.Sc. Agro-Industrial Engineering and Technology	138 credit hours for duration of 8 semesters
BS Poultry Sciences	135 credit hours for duration of 8 semesters
BS Animal Sciences	138 credit hours for duration of 8 semesters
BS Microbiology	135 credit hours for duration of 8 semesters
BS Zoology	129 credit hours for duration of 8 semesters

II. REGULATIONS

1. ADMISSION REQUIREMENTS

i. Minimum Academic Requirements

The relevant qualification/requirements for various undergraduate degree programs is as under:

Name of Degree	Academic qualification	Minimum requirement
B.Sc. (Hons.) Agriculture	Intermediate Science (Pre-Medical/ Pre-Engineering)/ Pre-Agriculture	
B.Sc. (Hons.) Environmental Science	Intermediate Science (Pre-Medical/Pre-Engineering) or equivalent qualification	





BBA Agribusiness	Intermediate	
B.Sc. (Hons.) Agricultural and Resource Economics	Intermediate Science (Pre-Medical/Pre-Engineering) or ICS with Economics or I.COM/A-Level	
BS Computer Science/ BS Data Science /BS Information Technology	1. F.Sc. (Pre-Engineering/Pre-Medical)/ ICS/ A-level students (with Mathematics/Biology) 2. Minimum 50% marks in intermediate 3. DAE (specialized in electrical, mechanical, electronics and Telecommunication) (two (02) reserved seats only). Note: Students of F.Sc. (Pre -Medical)/ A-level students (with Biology) must have to take deficiency courses of Mathematics of 6 credit hours within one year of their regular studies.	
B.Sc. (Hons.) Home Economics	F.Sc. Pre-Medical/ Pre Engineering/ FA Home Economics/A-Level.	
B.Sc. Agro- Industrial Engineering Technology	Intermediate Science F.Sc. (Pre -Engineering / Pre- Agriculture / Three years Diploma of Associate Engineering (DAE), A-Level	Minimum 50% of total marks
BS Poultry Science	Intermediate science (Pre-medical) Candidates having F.Sc. Pre-Engineering with 50 % marks will be eligible subject to study deficiency course in Biology BIO-301, 3(2-1) (Essentials of Biology) Candidates having F.Sc. Pre-Agriculture with 50 % marks will be eligible subject to study deficiency course in Biology BIO-301, 3(2-1) (Essentials of Biology)	
B.Sc. (Hons.) Animal Science	A candidate must have passed F. Sc (Pre-Medical) or standard equivalent examination with at least 50% marks from University or Boards with Physics, Chemistry, Biology. Candidates having FSc Pre-engineering and FSC Pre-Agriculture degree are eligible for admission subject to qualify the deficiency course in Biology: Essentials of Biology BIO-301, 3(2-1).	
BS Microbiology	Intermediate science (Pre-medical)	
BS Zoology	F.Sc. (Pre -Medical)/A-level students (with Biology)	
B.Sc. (Hons.) Human Nutrition and Dietetics	Intermediate science (Pre-medical), A-Level	Minimum 60% of total marks



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Twenty Marks are added to the Academic marks in the H.S.S.C or equivalent Examination of the applicant who is Hafiz-e-Quran. The Candidates gets the benefit only if he/she has filled in the necessary column provided in the application form, and submitted the documentary proof of Hafiz-e-Quran. Moreover, Hafiz-e-Quran applying for admission will have to appear before a Committee constituted by the Vice Chancellor, MNSUA, Multan and get a Certificate from the Committee.

- a) Determination of merit in the case of equal percentage of admission marks: if two or more applicants have equal marks, they shall be treated at par and shall be admitted.
- b) The admission to B.Sc. (Hons.) Agriculture shall be made on the basis of common 'Scheme of Studies' for first four semesters. On completion of four semesters, the candidates have a choice to opt any of the offered Major Subjects which will be exercised on the basis of their CGPA secured at the end of 4th semester, order of preference and availability of seats in the respective discipline.
- c) Both male and female are eligible to apply.

i. Age

A candidate must not be more than 23 years of age on the last date of admission forms submission, provided that after provisional selection, the Vice-Chancellor may relax upper age limit in very exceptional cases on the recommendations of Admission and Prospectus Committee.

ii. Domicile

The candidate domiciles in other Provinces but passing Intermediate examination from the Board of Intermediate and Secondary Education of the Punjab may be considered for admission against Provincial quota of the respective Province.



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iii. Affidavit

Every candidate and his/her parent/guardian shall at the time of admission give an affidavit/undertaking on stamp paper, that candidate shall not indulge in politics and shall follow University Rules and Regulations, failing which candidate shall not be allowed admission/to continue his/her degree. In the event of violation of such an undertaking after admission, he/she shall be expelled from the University 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. (Added under decision of Supreme Court of Pakistan dated 01-07-1992 on a Human Rights cases Nos. 175,218/1992).

iv. Permission for In-service candidates

Candidates who are in the service of Government/Semi Government or Autonomous Organization at the time of admission or seek / get employment after securing admission in the University shall submit written permission from their employer for joining the University as a student.

v. Other Admission Requirements

- a) The schedule of fees /dues payable by the candidates selected for the admission shall be as prescribed.
- b) The University Authorities shall have the discretion to refuse admission in any case without assigning any reason.
- c) 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.
- d) Medical Certificate shall be submitted by selected candidates at the time of payment of dues by the Medical Officer (MO) appointed by the University.
- e) The selected Candidates shall present at the time of admission, the following documents in



original and two sets of attested photocopies of these Certificates i.e. Academic Certificates, Hafiz-e-Quran Certificate, Undertaking and Medical Certificate.

- f) Lists of selected candidates will be displayed on the notice board/website of Muhammad Nawaz Shareef University of Agriculture Multan, Old Shujaabad Road Multan.

The Admission Committee of the MNSUA, Multan will entertain the appeals of the aggrieved persons regarding admission.

1. DEFICIENCY

If the schedule of courses pursued by a candidate does not provide adequate background for the 1st degree course which he/she intends to take up, he/she may be required to make up the deficiency by taking one or more additional course(s) of deficiency level as may be prescribed by the Admission and Prospectus Committee.

2. TIME FOR ADMISSION

The candidates may be admitted at the beginning of the Winter Semester of each academic year. They are required to deposit dues/complete other admission/enrolment formalities within the dates notified by the Admission and Prospectus Committee, failing which his/her admission shall stand cancelled automatically. Provided that the admission of such candidates may be allowed by the Vice- Chancellor subject to availability of seat and on the recommendations of the Admission and Prospectus Committee till such time as it does not conflict with the prescribed requirements of 75% attendance in lectures and practicals of each subject which will be counted from the notified date of commencement of classes for fresh entrants.

Explanation: Admission/Enrolment will only be considered completed when UG-I form is deposited to the Dean Office of respective Faculty. Only depositing of fee will not serve the purpose.

3. ENROLMENT

- (i) A candidate admitted to the course shall for so long as he/she has not completed all the





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requirements for the degree, enroll himself/herself for each semester subject to the maximum admissible limit of 12 semesters including terminal summer session, failing which his/her admission shall stand cancelled. In case a student discontinues a semester without permission, he/she may seek re-admission, in the same semester next year with the approval of the Vice Chancellor on the recommendations of the Admission and Prospectus Committee or in the subsequent year, provided that he/she has not already exhausted the maximum residential requirements for the course. In case a student does not avail both the admissible opportunities for seeking re-admission, he/she shall not be eligible for re-admission in future. Provided that after the first eight semesters, a candidate may enroll in the semester in which his/her failing/remaining subject(s) is/are offered in accordance with his/her "Scheme of Studies" subject to the maximum admissible limit of 12 semesters. Provided further that the semester meant for Internship as per approved scheme of studies shall be meant for Internship only.

Clarification of Regulation 4(I)

The four semesters provided in excess of the normal duration of the course have to be treated as exactly identical to the original minimum duration in matters of regulating the course conduct. This provision does not place any bar on the students' right to discontinue their studies during these extra four semesters. But what is inviolable in their case is their consecutive nature. One cannot skip a semester during this extra period and recover it beyond the maximum admissible semesters after it has ended. For instance, if a student discontinues studies in the 11th semester, and the course in question is not offered in the next 12th semester, he/she cannot claim a right to further enroll in the next (13th) semester, except that he/she avails himself/herself of the terminal summer session. He/she has come to the end of his/her studies. The law provides him/her no further chance. Provided further that the semester meant for Internship as per approved scheme of studies shall be meant for Internship only.

- (ii) An application for enrollment on the prescribed form (UG-I) accompanied by the prescribed fee paid receipt, shall be presented by regular students in Dean Office of respective Faculty on the days notified by University. The date for enrolment with normal late fee will also be announced



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by the University in the same notification. Provided that after the expiry of last date with normal late fee notified by the University, the Competent Authority (Dean/Director as the case may be) may permit a student for late enrollment on payment of prescribed double late fee (Fee within one week after expiry of single late fee notified). Provided further that the Vice-Chancellor may allow late enrolment to a student after the expiry of seven days period granted by the Competent Authority. This permission will be granted under special circumstances in individual cases on the recommendations of the Prospectus and Admission Committee on the written request of a student on payment of double late fee till such time as it does not conflict with the prescribed requirement of 75% attendance in lectures and practicals of each subject which will be counted from the date of commencement of regular semester. After the expiry of prescribed period, permission for late enrollment shall not be granted in any case. In that eventuality, the concerned applicant will be treated as discontinued studies without permission of the Competent Authority and his/her request for continuation of studies, if received, may be dealt with in accordance with the provisions of relevant regulations.

4. MINIMUM AND MAXIMUM CREDIT HOURS

A. Regular Semester

- a) Each student shall register himself/herself in the first and second semesters for all the credit hours prescribed for these semesters. In subsequent semester(s), he/she shall have to register for courses maximum 20-23 credit hours for undergraduate programs.
- b) In two semesters falls before the semester meant for internship, a student may register himself/herself up to 27 credit hours for undergraduate degree programs. Provided further that the Dean of respective Faculty may allow to enroll extra credit hours on the written request submitted by a student well in time up to 30 credit hours subject to the condition that he/she will complete his/her degree after enrollment of extra credit hours.
- c) No course shall be offered during the regular semester which does not fall within the "Scheme of





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Studies" in the respective semester.

B. Summer Session

- a) The students who wish to pass 'F' and or to improve 'D' grade(s) may enroll during the summer session normally for not more than 12 credit hours.
- b) After 8th regular semester of four years degree programs, if a student has yet to qualify fail courses of more than 16 credit hours, he/she will enroll only up to the normal limit of 12 credit hours, which may include 'F' and 'D' grade courses. He/she will enroll the remaining course(s) in the forthcoming regular semester(s) or the summer session(s) following as per scheme of studies.
- c) In summer sessions following 8th, 10th and 12th regular semesters for the students of four years degree programs and a student may enroll fail course(s) only, upto 16 credit hours with the permission of the Competent Authority provided that he/she will complete her/his degree program after that session. In this situation, he/she will not be able to enroll any "D' grade course(s).
- d) In summer session double classes will be held to compensate the normal study hours of a regular semester. The prescribed attendance requirements and relevant Regulations will strictly be adhered. Departmental Chairpersons will decide the teacher(s) for the summer session.

5. NUMBER OF COURSES

The courses will be numbered to a scheme such as B.Sc. (Hons.) Agriculture 1st and 2nd semester (301-302), 3rd and 4th (401-402) and so on. This number will be preceded by two to four letters indicating the field of study i.e. AGRON-301.

6. IMPROVEMENT OF 'D' GRADE

- (i) In any regular or summer session a student may repeat once those course(s) of the previous





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semester(s) in which he/she has secured the lowest grade i.e. 'D' only within the prescribed limit of credit hours. However, after completion of courses prescribed under the 'Scheme of Studies', a student stands ineligible to enroll 'D' grade course(s) for improvement of CGPA even if she/he has not exhausted the maximum admissible limit of semesters.

- (ii) Any improved grades will substitute 'F' and 'D' grades of the previous semester for calculating CGPA but 'F' and 'D' grades will form part of the transcript.

7. EXAMINATION AND WEIGHTAGE

- (i) A mid-term examination will be held during 9th week of the semester which shall carry 30% of the total marks allocated for the course. This examination shall be conducted by the teachers concerned who shall determine the form of the examination.
- (ii) In addition, quizzes, special home assignments and/or term papers shall carry 10% of the total marks allocated which shall uniformly split over the whole semester. The final examination to be held at the end of the semester shall carry 60% of the total marks allocated.
- (iii) For the purpose of evaluation, one credit will carry 20 marks e.g. a 4 credit course will carry 80 marks. These marks will be divided in accordance with the credit assigned to Theory/Practical of each course.

8. UNIFORMITY/STANDARD IN TESTS

Examination Committee will examine all problems regarding uniformity/standards in tests, examinations, assignments etc. before the declaration of results for the semester, or any appeal from the student or teacher of any other related matter. The decision of the Committee shall be final. The students will be permitted to go through their answer books in the presence of teachers concerned within three days before the award list is sent to the Controller of Examinations.

9. PRACTICAL EXAMINATION

The practical, each laboratory experiment, exercise, operation etc., shall be considered an examination and 40%





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marks shall be assigned for overall general performance and 60% for the final examination.

10. **DECLARATION OF RESULT**

- (i) The result of all the examinations shall be completed and delivered within 7 to 10 days of the date of examination under sealed cover to the Controller of Examinations at the end of each semester.
- (ii) One copy of the award of each subject shall be forwarded to the Faculty Dean and Departmental Chairperson under sealed cover.
- (iii) GPA/CGPA at the end of 1st, 2nd and subsequent Semesters: A student is required to secure minimum GPA 0.5 at the end of first and CGPA 0.75 after 2nd semester enabling him/her to continue studies, failing which he/she will cease to be on the rolls of the University. In 3rd or any subsequent semester(s), a student is required to secure a minimum CGPA of 1.00, so that he/she feels impelled to get the minimum CGPA of 2.20 required for qualifying for the award of the degree, failing which he/she would cease to be on the rolls of the University and shall not be re-admitted afresh in the University.
- (iv) Calculation of GPA/CGPA: GPA/CGPA will be calculated at the end of each semester in accordance with the relevant Regulations.

11. **MINIMUM PASS MARKS**

In order to complete a course successfully, a student is required to obtain at least 40% marks each in Theory and Practical separately.

12. **GRADE POINT AVERAGE**

- (i) Grade points will be as follows: 4 for A, 3 for B, 2 for C, 1 for D and Zero for F or failure. W for withdrawal and I for Incomplete may also be used. Maximum grade point average: 4.00, Minimum grade point average for obtaining a degree: 2.20



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Grade	Value	Marks	Remarks
A	4	80 -100%	Excellent
B	3	65 -	Good
C	2	50 -	Satisfactory
D	1	40 -	Pass
F	0	Below 40%	Fail

- (i) The grade point will be worked on the basis of percentage of marks obtained by a student in each course separately according to conversion table and not on the percentage of total marks obtained by a student.

2. ATTENDANCE REQUIREMENTS

- (i) A candidate with less than 75% of the attendance in Theory and Practical of each course separately shall not be allowed to take the final examination of the course in a semester. Provided that the period of absence in the case of participation in co- curricular/sports activities with the permission of Competent Authority may not be counted.
- (ii) The teacher concerned shall send the attendance percentage to the Dean Office of the respective Faculty through the Chairman of the Department, prior one week to final exam for each course, theory and practicals separately on the prescribed form.
- (iii) If a student fails to fulfill minimum attendance requirement, will be treated as discontinued without prior permission of the competent authority and his/her request for continuation of studies, if received, may be dealt with in accordance with the provisions of relevant Regulations.

3. CONDUCT OF EXAMINATIONS

- (i) The final examination of each course (Theory and Practical) shall be held during the last week of a semester at a time and place notified by the Secretary Time-table Committee.





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- (ii) All teachers teaching the various sections of a class will set their individual examination papers. The answer books will be marked by the respective teachers individually or collectively. The Coordinator Undergraduate Studies will arrange the supervision of the examination of the course, marking of the answer books and preparation of award lists.
- (iii) If an enrolled student is unable to sit in the final examination due to illness or under the circumstances beyond his/her control to be determined in each case, may submit a written request to the Competent Authority prior to commencement of final examination of the respective semester. The application must be accompanied with a Medical Certificate issued by a Registered Medical Officer in case of illness. On receipt of request, notification for discontinuation will be issued by the Competent Authority. The student may however, continue his/her studies after enrollment in the same semester next year with the permission of Competent Authority or in the subsequent year but with the permission of the Competent Authority. In case a student does not avail both the admissible opportunities for seeking re-admission, he/she shall not be eligible for re-admission in future. Provided that the Competent Authority condone the above period in special circumstances to be recorded in writing.

4. MARKS/GRADE OF DEFICIENCY COURSE

The marks/grade required to pass a deficiency course shall be the same as in the regulations relating to the examination/course concerned.

5. SCRIPT OF EXAMINATIONS

The script of each examination may be shown to the students by the concerned teacher taken back immediately and then forwarded to the Controller of Examinations within three weeks, who shall preserve the scripts for a year. If a mistake or a discrepancy in the marking of the scripts of a serious nature comes to the notice of the Controller of Examinations, he shall take action to get it rectified in a suitable manner after obtaining proper orders from the Vice-Chancellor.

6. EXAMINATION FEES

University examination fee shall be charged at the prescribed rates.



Disciplinary Rules & Regulations



Disciplinary Rules & Regulations

Short title, Commencement and Application

The rules and regulations to be implemented in MNS University of Agriculture, Multan (MNS-UAM) are to be addressed as MNS-UAM students (Discipline and conduct) regulations. These rules will be applicable to all the students of MNS-UAM. Any students violating these Regulations will be considered as an act of indiscipline and misconduct.

A. Discipline

No students shall:

- (i) Utter, do, or propagate, anything repugnant to Islam within and outside the confines of the University
- (ii) Say or do anything which might adversely affect the honor and prestige of Pakistan, University teachers and his / her educational institution
- (iii) Smoking in University premises including classroom, laboratory, workshop, library, examination hall and University buses etc.
- (iv) Form, or associate with an organization/ society/ club, or any other body promoting caste distinction and inciting unsophisticated/ linguistic/regional feelings
- (v) Collect money or receive donations or pecuniary assistance privately or on behalf of the University or any University organization except with the written permission of the Competent Authority
- (vi) Stage, incite, or participate in a walkout, strike or any other form of agitation which might create or is likely to create law and order problem for the University and affect or is likely to affect its smooth functioning
- (vii) Indulge in immoral activities, use indecent/filthy language, insolence, wear immodest dress, make indecent remarks, jokes or gesture or behave in an improper manner within University premises
- (viii) Cause disturbance to others or threat his/her fellows and any University official/employ
- (ix) Quarrel, abuse, shout and fight within the bounds of University
- (x) Disturb peace and tranquility of the institution or use force to enter University
- (xi) Damage any kind of property of the University



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- (xii) Keep or carry licensed or unlicensed weapons, narcotics, immoral or rebellious literature; and use in-salutary or abusive language or resort to violence against a fellow student or employee of the University
- (xiii) Disobeying the authority
- (xiv) Use camera cellphone/digital camera for photography and recording (audio/video) in premises of campus unless permitted by the Competent Authority
- (xv) Giving false information/statement, willful suppression of information, cheating, deceiving, stealing, forgery etc.

B. Disciplinary Actions and Penalties

Disciplinary action may be taken in one or more of the following forms depending upon the severity of the offence as per decision of Disciplinary Committee:

- (i) A student may be issued /imposed:
 - a) Warning letter
 - b) A fine of Rs.2000/- as a minor penalty
 - c) A fine of Rs.5000/- to Rs.10,000/- as major penalty

In case the student fails to deposit the imposed penalty/fine within due date he/she will not be allowed to attend his/her lectures and conditions will be applicable as notified in MNSUA/Acc-001/2014, dated: 07.08.2014.

Explanation: A total of three warning letters will be issued to the guilty and the final one will be sent through surface registered mail to his /her mailing address given in admission proforma. Upon failing the compliance of the letter, the concerned student will be rusticated from the rolls of University

- (ii) A student may be placed on probation for a fixed period not exceeding one academic year
- (iii) Withdrawal of financial concessions (installments, fee waivers, stipend etc.)
- (iv) Any loss or breakage of the University property will be recovered



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- (v) If during the period of probation he/she fails to improve his/her conduct, he/she may be rusticated or expelled
- (vi) A student may be suspended from the rolls of a University for a period not exceeding two weeks at a time, excluding the suspension if any, not exceeding 10 days, at one time ordered by the competent authorities
- (vii) A student may be rusticated/ expelled, or asked to withdraw from the University in the manner hereinafter mentioned
- (viii) Debarring from seeking admission to higher studies at University for one academic year or forever

C. Reclaiming of damage, breakage or loss of any University property

A student shall be responsible to recover the loss or damage caused by him to any property of the University not more than fifteen (15) days of the first notification by the Disciplinary Committee. If the student fails to do so, it will be considered an act against discipline and misconduct, within the meaning of Regulation A (xiii). As a consequence, the student will be struck off from the rolls of University for failure of making good the loss by him. Further, the Competent Authority may take legal proceedings against him in a Court of Law.

D. Regulations Relating to Rustication, Expulsion and withdrawal

Rustication, whenever imposed on University student, shall always mean the loss of one academic year so far as his/her Examination is concerned. The period of absence from the University Teaching Department will, however, depend upon the time of the year when the penalty is imposed. The student under rustication may at the discretion of the competent authority of the University be permitted to rejoin the class in the same Department in the beginning of the next academic year. A rusticated student once re-admitted and again found creating disturbance/ indiscipline, etc. will be expelled from the University. A student committing a major act of indiscipline expelled from a University shall not be re-admitted. Further, the University shall not issue migration certificate to rusticated or expelled student.

E. Code of Honor

The following Code of Honor expresses the basic principles of conduct expected to be followed by students:



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- (i) All students must have faith in and respect for the ideology of Pakistan
- (ii) All students in matters of religion must respect the conviction of others
- (iii) Every student is expected to:
 - a) Be loyal to Pakistan
 - b) Obey the laws of the land order as well as the rules & regulation of the University
 - c) Maintain law and order as well as the dignity and prestige of the University
 - d) Protect the property of the University
 - e) Show due respect to elders, teachers and outside visitors
 - f) Work hard and co-operate in completing the courses of study within the prescribed period
 - g) No indulgence in sectarian activities

F. Disciplinary Committee

A Disciplinary Committee of MNSUA, Multan, constituted by the Competent Authority shall investigate, deal with, hear and decide the cases of misconduct and indiscipline among the students on the rolls of the University in accordance with the aforementioned Rules and Regulations and amendments made from time to time as per need.

G. Appeal

- (i) The student(s) who has/have been rusticated /expelled by the Disciplinary Committee for violation of discipline may submit an appeal to the Vice Chancellor within 15 days of the date of notification of rustication/expulsion or withdrawal
- (ii) The Vice-Chancellor shall have the power to pass such orders as he may deem fit
- (iii) Case of indiscipline/disturbance from students of University shall be referred to the Disciplinary Committee



Regulations Relating to Committee on Unfair Means



Regulations Relating to Committee on Unfair Means

- a. The Unfair Means Committee shall be notified by the Vice Chancellor of the University for a period of two calendar years. There will be as many committees as the Vice Chancellor deem it. Each committee will comprise of two senior faculty members of the MNSUA and/or other universities. The Controller of Examinations will be ex-officio member and Chairman of each committee. The allocation of the case to a committee will be discretion of the Controller of Examinations.
- b. Committee on Unfair Means shall deal with the cases of the alleged use of unfair means in connection with the Examinations under all systems of examinations.
- c. The committee shall give the accused candidate a reasonable chance of showing cause against the charge leveled against him and afford him a fair opportunity of defense through written response to the charge sheet followed by the personal appearance.
- d. The unanimous decision of the Committee on Unfair Means in dealing with cases of the alleged use of unfair means in connection with the Examinations shall be final. If the Committee on Unfair Means is not unanimous, the matter shall be referred to the Vice Chancellor who shall either decide himself or refer it to the Disciplinary Committee of the University. The decision of the Vice Chancellor/ disciplinary committee shall be final.
- e. If a candidate to whom the decision of the competent authority is communicated has valid reasons to appeal against such decision, he/she may do so within 30 days of the date of receipt of the decision in writing and by depositing Rs. 1000/-. The appeal shall be referred to the Appeal Committee.
 - i. In line with the procedure adopted for Unfair Means Committee the Appeal Committee will be notified for a period of two calendar years and will comprise of Three Senior Faculty Members of MNSUA or other universities who are not part of any Unfair Means Committees of MNSUA.
 - ii. The appellant will be given an opportunity to be heard in person by the Appeal Committee. The decision of the Appeal Committee will be communicated to the appellant. Superintendent of the Examination Hall will register an Unfair Means Case against him/her.
 - iii. The appellant may file a revision against the decision of the Appeal Committee with the Vice Chancellor within 15 days after such decision by depositing a sum of Rs.2000/-. The Vice Chancellor may



Regulations Relating to Committee on Unfair Means

- constitute a review committee and refer the case to it. The review committee will prepare its recommendations for the perusal of the Vice Chancellor who shall decide the case finally.
- f. The accused will appear before the all the committees in person and will not be allowed to be accompanied by anybody including lawyer, family member, friend, or any person.
 - g. Notwithstanding anything to the contrary in these rules, no act or proceeding by the any of these committees to deal with case of alleged use of unfair means in connection with the examinations shall be invalidated merely by reason of the existence of a vacancy or vacancies on the committees; absence of a member; or, by reason of any question regarding the appointment or any member of the committees.
 - h. The Unfair Means Case will be registered against a candidate if any of the following happens. The In Charge Examinations/ Superintendent of the Examination Hall will register an Unfair Means Case against him/her.
 - i. He/she is found to have in his/her possession or accessible to him some material relating to the subject of Examination of that paper in any format (hand-written, printed, electronic etc.) or
 - ii. Is detected in giving or receiving assistance from any source (including fellow examinees, invigilating/facilitating staff etc.), or
 - iii. He/she is using or attempting to use any other unfair means in connection with the Examination, or
 - iv. He/she is creating disturbance in the conduct of the examination, or
 - v. He/she is disobeying the supervisory staff
 - vi. A candidate is being impersonated by an impersonator
 - vii. The answer book is smuggled in to the examination hall or smuggled out of the examination hall.
 - i. Any candidate detected in giving or receiving assistance, or found guilty of possessing and/or using any cheating material in any format, or allowing any other candidate to copy his/her answer-book, or using or attempting to use these or any other unfair means, shall be disqualified from passing in the subject.
 - j. Notwithstanding any other law for the time being in force and without prejudice to any remedy open to the University under such law
 - l. Any candidate found guilty of deliberate previous arrangements to cheat in the Examination such as smuggling in another answer-books, smuggling out his answer book, impersonation or misconduct of a



Regulations Relating to Committee on Unfair Means

serious nature and the person who gets himself/herself impersonated shall be disqualified for a period of not less than one and not more than two years and will be declared as not a fit and proper person to be admitted to any future Examination of the University within the period of disqualification. The university will deny issuance of NOC/ Migration certificate to enforce its decision. The impersonator, if he/she is on the rolls of the University, will be awarded the same punishment as the one who was getting impersonated. If the impersonator is not on the rolls of the University, the Controller of Examinations shall report the matter to the police and get an FIR registered against the impersonator with the permission of the Vice Chancellor. If the impersonator is convicted from the court of law then the case will be sent to the syndicate for possible quashment of any degree/ medal/ honor given by the university to the impersonator.

The actual candidate or the impersonator may, on the expiry of two years including the Examination in connection with which he/she was declared to be not a fit and proper person to be admitted to any future Examination, may as a special case, be exempted by the Syndicate from further operation of this Regulation with the sanction of the Vice Chancellor.

- k. Any candidate using abusive or obscene language in the answer-book shall be disqualified from the Examination of that subject.
- l. Any candidate found guilty of making peculiar remarks in his/her answer book shall be disqualified in that subject.
- m. Candidates guilty of communicating or attempting to communicate, with examiners with the objective of influencing them in the award of their marks, shall be deemed to have used, or attempted to use, unfair means shall be punished accordingly. Communications of this nature addressed to the Controller of Examinations or other officers of the University, shall be treated as falling in the same category and the candidate concerned shall be punished appropriately by the unfair means committee
- n. Any candidate found in possession of fire arms or anything capable of being used as a weapon of offence in or around any Examination Hall, shall be liable to expulsion by the Officer and to disqualification ranging between one to three years.
- o. Possession of cell phone or any similar gadget, no matter if it is switched off, will be considered like having cheating material in possession and will be treated accordingly

Hostel Rules & Regulations

Hostel Rules & Regulations

Admission to MNS-UAM hostel

The residents shall abide by the following rules and regulations and other rules as may be framed from time to time by the Competent Authority.

1. The hostel accommodation will be provided to the bonafide students of the University, subjected to the availability of seats.
2. On allotment slip full particulars including recent photograph, permanent address with phone number and complete address of the student will be given.
3. Seats within the hostel are allotted by the Hostel Superintendent on the commencement of the semester on seniority/merit basis, which will be determined by the semester of the study taking into consideration GPA/CGPA and student's behavior during stay.
4. In making the allotment, the hostel authorities will also take into account the conduct and character of a boarder. Those, with penalties being imposed shall lose their seniority.
5. The allotment of such students whose hostel dues are in arrears shall be cancelled.
6. No boarder is allowed to change his/her seat without prior permission of the hostel authorities.
7. The Vice Chancellor and Hostel Warden may refuse admission or expel any student if he/she has any qualms about a student conduct or character.

Hostel fee and subscription

1. Hostel fee and security deposits as determined by the University from time to time are payable by the student in each semester.
2. Hostel allotment of a student shall be cancelled, if, he/she fails to pay hostel dues. However, he/she may seek readmission in a hostel as admissible under rules.
3. Students staying for additional semester/summer session/thesis examination/ research work etc. will have to pay the hostel fee and subscription etc.
4. If any student leaves the hostel without paying hostel dues including mess, canteen and other charges,



Hostel Rules & Regulations

the amount outstanding against him/her along with a fine equal to 10% of the hostels dues will be recovered at the time of next enrolment.

5. In case such a student leaves hostel qualifying a degree, the outstanding amount along with a fine shall be recovered at the time of issuance of provisional certificate, degree etc., by the Controller of Examination.

Mess rules

1. Hostel mess will be managed by the students and supervised by the Assistant Superintendent.
2. Nobody other than bonafide student will be allowed to become a mess member. Moreover members will elect their own mess manager / mess committee.
3. Mess manager/mess committee will be responsible for proper maintenance of mess and cleanliness of kitchen, utensils, dining hall and its surroundings.
4. Members will pay their dues to the mess manager on or before 7th of every month. Arrears of previous month must be cleared by 7th of the following month.
5. Meals will be served only in the Dining Hall and room service will not be provided.
6. A member intending to cancel a meal must inform the mess manager a day before, otherwise he/she will be charged for it.

General rules

1. Furniture items such as charpai, table, chair and almirah assigned to a particular room shall not be shifted from that room. The residing students of that allotted room shall return these articles, when leaving the hostel. He/she will also be responsible for any loss or damage of these articles.
2. Students must treat the hostel staff politely. Misbehavior with the staff is strictly prohibited.
3. The hostel staff is not supposed to render any private service to any student. Complaints regarding misbehavior of the hostel staff will be reported to the relevant Assistant Superintendent / Hostel Superintendent.
4. The telephone provided in a hostel is only meant for inter hostel contact/incoming calls only and no local or prank calls will be entertained through these telephones.



Hostel Rules & Regulations

5. The students must make entry in the "In/Out Register" kept in hostel.
6. Resident is bound to make entries in the hostel leaving register and mess closure register before leaving for home.
7. The visitors (parents/guardians) are allowed to meet the resident only before the closing time of the hostel. (They should observe the summer and winter closing hours).
8. Every resident has to mark his/her attendance in the office and mess register, those missing at the time of attendance will be considered absent and if they keep on doing this, they may be expelled from the hostel.
9. Day scholars are not allowed to stay in hostel. However, may visit and/ or stay with prior permission from the Hostel Assistant Superintendent/Superintendent along with subscribed charges.
10. Security Officer of MNS- University of Agriculture Multan will be responsible for hostel security and public related matters.

Visitors

1. Visitor's rights to a hostel premises are reserved.
2. Details about the authorized visitors to the hostel along with a photocopy of their CNIC should be submitted to the Hostel administration office at the time of admission to the hostel.
3. Authorized visitors will visit only during visiting hours.
4. Students are prohibited from giving shelter to any other student/outsider in the rooms. In case of breach, the student will be liable to disciplinary action.
5. Parents/authorized guardians of a boarder may be allowed to stay for a night with prior permission of the Hostel Warden/Superintendent. However no male visitors are allowed to enter the female hostel in any case.
6. Parents/authorized guardians of the female students are allowed to see the students in a specified visiting room during visiting hours.
7. Boarders will observe the hostel opening and closing timings. Boarders who enter after closing time without any prior permission, following action will be taken against them:



Hostel Rules & Regulations

- a. Verbal warning will be communicated at first instance. In case of unceasingly violation of this rule, warning letter will be issued by the hostel administration.
- b. Disciplinary action will be taken against boarder especially female boarder violating rules again and again.

Discipline

All bonafide University students are governed by MNSUA Disciplinary and Conduct rule. However, the following additional rules have been framed to regulate day to day activities of boarders.

1. Disciplinary action will be taken against habitual late comers.
2. Roll will be called daily at 8:00 to 9:00 p.m.
3. No gathering, meeting or group activities of unauthorized student bodies will be allowed within the premises of hostel.
4. No religious/social ceremony likely to injure the sentiments of other boarders will be allowed in the hostel.
5. Every part of the hostel premises shall freely be opened to the hostel authorities for inspection at any time.
6. No boarder shall indulge in any amusement which may disturb other boarders.
7. Other than electric lights and fans no electric appliances will be used in a hostel. However, air cooler and exhaust fans can be used after getting prior permission from the Superintendent/Hostel warden. But the boarder will have to pay prescribed amount for this purpose.
8. Before leaving the room, all electric articles must be switched off, even for a short while. Leaving the room with light or fan switched on is an offence punishable with fine.
9. It is the paramount duty of all the residents of the hostels to maintain cleanliness and healthy surroundings both in and outside their rooms and hostel premises.
10. Firearms and other weapons, liquor, intoxicants, hukka, cigarette or other prohibited/ objectionable article is not allowed to be kept or used in the hostel. An addict student will be expelled.
11. Spitting, smoking, defacing hostel premises will strictly be prohibited.



Hostel Rules & Regulations

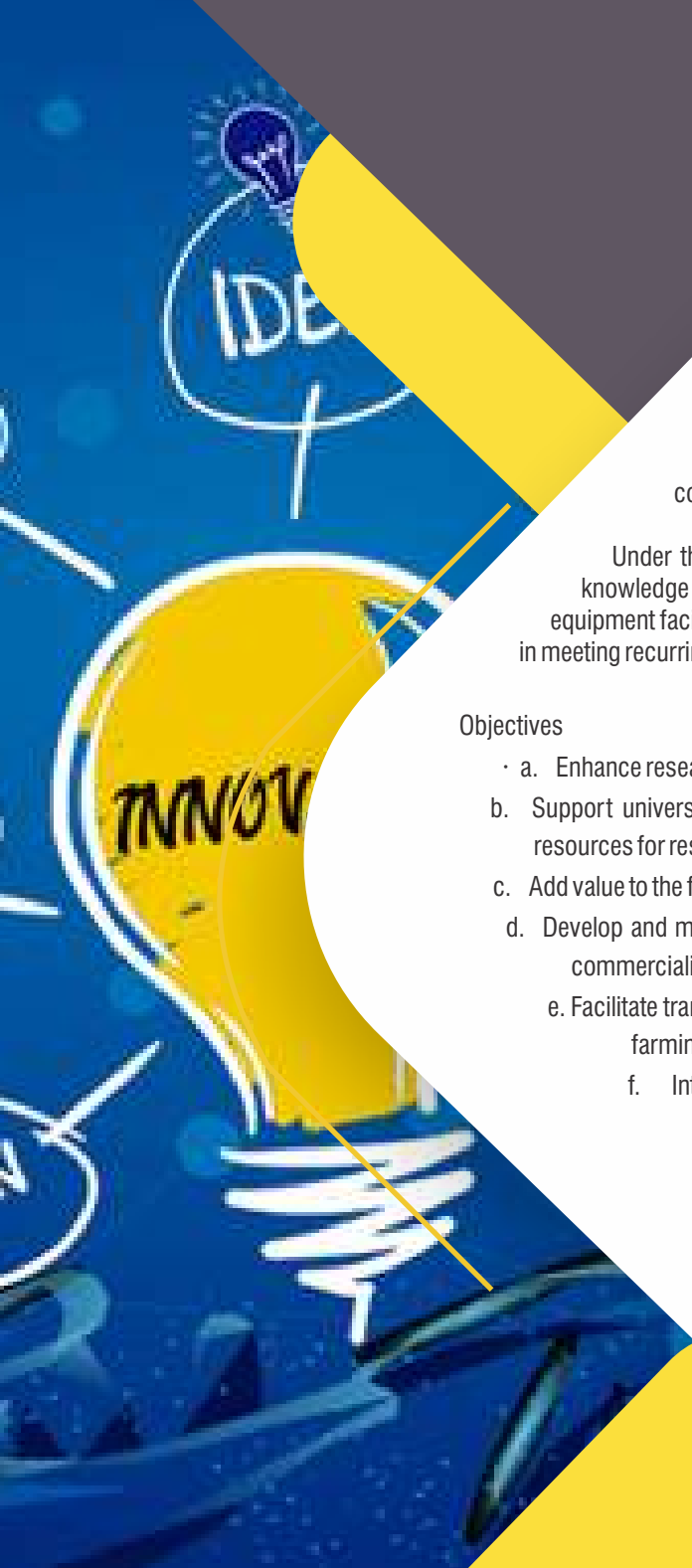
12. Boarders are required to observe necessary precautions for the safe custody of their belongings/valuables. The hostel administration will not be responsible for any loss of property.
13. All cases of sickness must be reported to the hostel authorities for necessary help and assistance to the student concerned.
14. The allotment of a student will be cancelled who remains absent for 30 days from the hostel without prior permission/intimation to the hostel authority. However, he/she may seek readmission as admissible under rules.
15. Breach of any rule of public morals, such as:
 - a. Use of indecent or filthy language in the premises of residential hall.
 - b. Use of immodest, improper and provocative dress.
 - c. Use of undesirable remarks or gestures.
 - d. Disorderly behavior such as fooling, shouting, abusing, quarrelling, fighting, insolence, indecency, profligacy and dishonesty.
 - e. Impersonation perjury, giving false information, willful suppression of information, cheating, deceiving and stealing etc;
 - f. Shouting of slogans derogatory to the prestige of the University or the reputation of its teachers and officers.
 - g. Use of intoxicants, immorality, failure to comply with a penalty imposed by a disciplinary authority.
 - h. Misbehavior with a teacher or any other University official
16. The hostel authorities are responsible for maintaining discipline in the hostel and are authorized to admonish students for any irregularity or breach of discipline.
17. The Assistant Superintendent may punish a student for breach of any discipline by way of a fine not exceeding to Rs. 500/-, Hostel Superintendent Rs. 1000/- and Associate Hostel Warden or Hostel Warden Rs. 5000/- in each case. Admonitions will be reported in writing to the University authorities for appropriate action.
18. Boarders violating the above mentioned rules shall be fined, suspended, rusticated or expelled from





**Office of Research,
Innovation &
Commercialization
ORIC**

www.mnsuam.edu.pk



The Office of Research, Innovation and Commercialization (ORIC) was established in 2015 as per policy of the Higher Education Commission (HEC) Islamabad to make research a top priority for a sustainable economic growth and future knowledge economy. It is serving as a pivotal point to encompass all the research activities, develop, expand, enhance and manage the university's research programs and to link research activities directly to the educational, social and economic priorities of the university and its broader community, under a single umbrella. The office looks for the opportunities and markets the strengths of the University faculty for resource mobilization and conducting multi-disciplinary research. To cater the needs of the society in general and farming community in particular, ORIC coordinates and facilitates to harness innovative ideas leading to commercialization and entrepreneurial growth.

The ORIC is also responsible for assuring that the quality of research reflects the highest international standards and is striving hard to develop an ideal research culture in the university to bring it at par with high ranked institutes within the country and abroad. The ORIC provides end-to-end services for all the matters pertaining to research and development, innovation, commercialization, patent, collaborations, and for arranging seminars, symposiums, conferences and workshops, etc.

Under the umbrella of ORIC, the faculty has gained momentum for hunting national and international grants on competitive basis. In addition to knowledge and technology development, the research grants competitively earned by the faculty, support postgraduate studies, expand laboratories and equipment facilities, sponsor students and strengthen research communication and outreach activities. The indirect cost received through these grants helps in meeting recurring cost to extend small grants for innovative research technology displays and business start-ups.

Objectives

- a. Enhance research quality, relevance, and competitiveness, and promote innovation and commercialization at the University.
- b. Support university-based research through strategic planning, streamlining of internal processes, establishing and monitoring of standards, mobilizing resources for research, publicizing research achievements, identification of synergies, and development of relationships with key external partners.
- c. Add value to the farming community, agricultural and food sector industries
- d. Develop and maintain industry-academia-farmers' linkages to promote demand driven research, agricultural entrepreneurs, technology transfers and commercialization of innovative products/services to enhance University resources and sustain local and national economy.
- e. Facilitate transforming research into innovations through collaborations with national and international organizations to uplift the socio economic status of farming community
- f. Integrating research and education at the University to produce skilled group of future farmers, researchers, educationists and agricultural entrepreneurs





Consultative Session
"Wheat Production"
Season 2020-21



Quality
Enhancement
Cell
QEC

www.mnsuam.edu.pk



Realizing the challenges to be faced in the field of higher education during 21st century, impact of globalization and the need for knowledge-based economy, MNS University of Agriculture, Multan has established the Quality Enhancement Cell (QEC). The QEC believes that the issue of quality enhancement cannot be separated from the quest of excellence. Quality Assurance (QA) is "the means by which an institution can guarantee with confidence and certainty, that the standards and quality of its educational provision are being maintained and enhanced" (Higher Education Funding Council, UK).

Mission

QEC is committed to assure and enhance the quality of higher education at Muhammad Nawaz Sharif University of Agriculture, Multan with respect to good teaching strategies, sound infrastructure, and outcome-based education, positive students' perception, valid programs assessment tools and a learning environment conducive to research activities.

Vision

QEC aims to strengthen the higher education at MNS- University of Agriculture Multan by setting up an exemplary Quality Assurance mechanism that shall be congruent with the national and international practices.

QEC Objective/Goals

- To pursue the progress of the corrective actions highlighted in the Self-Assessment Report (SAR) by the relative departments.
- To scrutinize the current status of educational provision at the level of department by holding meetings with the Program & Assessment Team.
- To know whether the curriculum, subject and teaching and other staff development, research and other academic activities are followed as per the HEC criteria.
- To nurture the respective departments for getting accreditation reports and certificates from the councils directed by Higher Education Commission.
- To collect data through feedback and suggestions forms and course outlines/plans from the respective departments.
- To assist and guide departments is submitting cases for NOC from HEC to initiate post-graduate degree programs
- To build capacity of the faculty through trainings/seminars/workshops to assure quality in the academic programs at the university.
- To introducing new pedagogical techniques by using ICT or creating a better learning environment and

**Quality
Enhancement
Cell
QEC**



Quality
Enhancement
Cell
QEC

- providing better opportunities to faculty as well as students
- To steer training session on regular basis for the Programs and Assessment Team to ensue awareness regarding self- assessment ways.
- To seriously observe the data and define recommendations in consultation with the respective Chairperson /Head/ In-charge of the department.
- To confirm whether Institutional efficiency and Performance Evaluation Standards (IPES) devised for the betterment of Higher Education Institutions (HEIs) are in accordance with the HEC directions.
- To ensure that the institute follows and abides by the rules & regulations set by HEC with respect of faculty hiring, admission to MS/M.Phil and Ph.D programs.
- To provide plagiarism checking service by adopting best related software.







Career Development Center Placement Bureau

www.mnsuam.edu.pk



Career Development Center/Placement Bureau has been established with the aim to provide guidance/counseling to the students of MNS University of Agriculture, Multan for career improvement and placement after the completion of their professional degrees.

Vision

Our vision is to provide career services to equip students for professional career development and to prepare them to appear as agents of social change nationally and globally. We aspire to be a great source of career information and preparation for lifelong learning and serving. We also aim to fulfill the market needs by producing quality graduates who will demonstrate their excellence while fulfilling the corporate demands.

Mission

Our mission is to empower students to reflect their talents and experiences, explore their career options and achieve their career goals. By working directly with students and collaborating with a broad array of partners, communities and networks, to facilitate programs, activities, and services enabling students to take ownership of their career decisions and lead meaningful professional lives.

Key Services

1. Students counseling
2. Information sources for all stakeholders within and out of university
3. Arranging major selection seminar and guidance for Agriculture graduates
4. Internships and job placements
5. Arranging trainings / seminars / workshops for students and faculty members
6. Establishing and maintaining corporate relations
7. Running alumni association
8. Assistance in seeking foreign admissions and scholarships

**Career
Development
Center /
Placement
Bureau**





Directorate of External Linkages



Directorate of External Linkages

The changing role of the universities mandated more connectivity and strong linkages with the local, regional, national, and international communities. Therefore, under the initiative of HEC, the Directorate of External Linkages was established in the MNS University of Agriculture, Multan in 2016. After its establishment, the Directorate made significant progress to mark its existence in the university system. Along with the expansion of the university, the Directorate of External Linkages is becoming an important office to promote national and international collaborations and to develop partnerships with public, private and non-government institutions/ organizations, think tanks and entrepreneurial organization. This office also has the responsibility to attract international students, facilitate placement of university students and faculty in high ranking universities, and facilitate interaction between faculty and industry. Directorate of External Linkages exert a pull for financing of training, research and development activities of the university by national and international donors, alumni, civil society and agro-based industries.

The activities in the directorate have extended manifolds and almost every month, the university has been receiving delegates from national and international organizations for creating partnerships for capacity building, research & development and outreach activities to bring good to lives of the farming community of the country. Till date, the University has signed about 40 MoUs/Agreements with national and international organizations, including development of partnerships with high ranked universities of the world for exchange of staff and students and collaboration in research and development.

Vision

- Directorate of External Linkages aims at developing strong liaison with high ranked universities and research institutes of the world.
- To plan joint Degree Programs with the conscious endeavors for internationalization.
- To take public, private and non-governmental organizations on board for achieving the main goals of education, research and development in various faculties in the university.
- To organize National and International Conferences/ Workshops/ Seminars/ Symposia to extend the recent innovations to the scientific and farming community of Pakistan.
- Joint research ventures with leading researchers and esteemed institutions for capacity building and outreach.
- Development of national and international linkages with public, private and non-government institutions/ organizations.
- To facilitate the faculty/ departments/ directorates/ institutes for promoting R&D activities through external collaborations.
- To attract and facilitate placement of international students in MNS UAM, placement of university students and faculty in high ranking universities.
- To facilitate interaction between faculty and industry and exert a pull for financing of training, research and development activities of the university by national and international donors, alumni, civil society and agro-based industries.

Directorate of External Linkages



MS. LAUREN WAUGH
SECOND SECRETARY POLITICAL
AUSTRALIAN HIGH COMMISSION TO PAK.

Dr. GEOFFERY SHAW
AUSTRALIAN HIGH COMMISSIONER
TO PAKISTAN



- To develop reciprocal understanding between the International Organizations for resource and environment conservation.
- To development a liaison between the Alumni and Business houses for resource mobilization
- To keep the faculty and graduate students interactive with the respective organizations where in future the graduates of various disciplines can be marketed.
- To explore new avenues for funding in research and development both for the faculty members and students.
- To stay the relevant institutes involved in the research and development process so as to find a marketable product.
- To link with public policy stake holders for seeking directions and providing policy input.



Directorate of External Linkages







Directorate of University Farms

www.mnsuam.edu.pk



Directorate of University Farms

MNS University of Agriculture, Multan has two research farms at Chak 84-M, Jalalpur Pirwala and Mouza Rangeel Pur, Multan, the first comprises 500 acres and the later has 170 acres of land. These farms provide the students an opportunity to get practical training in various disciplines of agriculture. These farms also serve as demonstration centers for the students, provide basic infrastructure for conducting the research and also serve as Model Farms for the farming community. A summary of development works done at the Farms, is being given below:

1. **Agricultural Farm, Jalalpur Pirwala**

- After the bulldozer work on 500 acres land of University Farm Jalalpur Pirwala, and after laser levelling the major challenge was to cultivate this saline sodic soil with brackish underground water. However, challenge has been accepted and about 430 acres of land are now cultivable. The rest will be cultivable after laser land leveling which is also in progress.
- Orchard of different fruit plants like, citrus, phalsa, jaman, pomegranate, berry, mango, guava and date palm is also proposed on 100 acres. Furthermore, organic farming on 25 acres newly developed land is also under consideration.
- The canal system at Jalalpur Pirwala is non-perennial and canal water is available only for six months from mid-April to mid-October every year. To improve the efficiency of canal water, the moga was shifted toward the head and a 1730 feet paved water channel has been constructed. Furthermore, to meet water requirements in winter and as per need in summer, two electric mounted water turbines have also been installed to fetch the sweet/fit irrigation water from 6 km away and crops are being irrigated with this sweet water.
- About 375 acres of land are now under cultivation, where various crops and tree plants are being planted. During Rabi season, major crops were wheat, barley, raya and lucern, whereas during Kharif season, major crops grown are cotton, millet, guar and sorghum and jantar. Further, sesbania has also been sown for green manuring, to add the organic matter into the soil.
- About 35,000 plants of various tree species like gum Arabic, lbbeck, Indian lilac, Indian beech tree, moringa, pomegranate, guava, Ziziphus jujuba, fig etc. have been planted on roadside, alongside the water channels and in specific belts with higher level of salinity, which now are growing up and have started giving a greener look to the premises.
- Fish farming is ongoing.



2.

- A project for construction of livestock shed, grain storage, farmers training halls and machinery shed is near to completion.

Agricultural Farm, Rangeel Pur, Multan

- In Mouza Rangeel Pur, Multan 180 acres of land was allotted to the University, out of which 70 acres are under University Farm while the rest is for campus and other constructions. The land was encroached by the illegal occupants. All the land has been possessed and is under cultivation.
- In C-block, 45 acres land is under cultivation. The Major crops during growing season 2020-21, were wheat, cotton, Maize, chickpea, soybean, berseem and sorghum etc.
- High-Tech structures like hydroponic system, floppy sprinkler irrigation system, green house/s, containment/quarantine facility and tunnels have been constructed in C-block area.
- One fish pond is also constructed. Furthermore, water cleaning ponds in C-block has also been constructed and functional.
- Small tree mango system, citrus system and Kitchen gardening have also been established.
- A botanical garden of 2 acres is also proposed in C-block. Wherein different plants will be planted in the coming seasons.
- A wheat farmers field day was also organized for demonstration of the hybrid wheat and other advanced wheat lines developed by the university.
- In collaboration with private industries like, Bayer Pakistan Pvt. Ltd., Engro Fertilizers Pvt. Ltd. research trials on cotton are ongoing. Furthermore, in future both firm we develop infrastructure for students learning centre.
- During the year 2020-21, an income of 18.50 million from both Farms was achieved and amount was deposited in University account.





Directorate of Planning & Development

www.mnsuam.edu.pk



Directorate of Planning & Development

Physical infrastructure plays a vital role to develop any educational institution of the world. There are many factors which affect quality of education and research, but a strong physical infrastructure is the most important element. Lots of efforts have been made to establishment /strengthen the university infrastructure. During a very short span, the following ADP/PSDP Schemes approved by Govt. of Punjab for university:

1. Establishment of Muhammad Nawaz Shareef University of Agriculture, Multan (Phase-II)
2. Provision of fresh Irrigation water and basic infrastructure at Jalalpur Pirwala Research Farm of MNSUA Multan
3. Enhancing productivity in 10 low producing tehsils through deployment of fresh Agri. Scientists at farm level (Pilot Project)
4. Provision of basic facilities at MNS University of Agriculture, Multan
 - Under ADP Scheme titled “Establishment of Muhammad Nawaz Shareef University of Agriculture, Multan (Phase-II)”, funds amounting to Rs. 1746.258 million were provided. The gestation period of the scheme was 5 years and completed during 2020. Through the said scheme, infrastructure including one Academic Block, one Administrative Block, two Hostels, 15 Staff residences, one Faculty Guest house, one Overhead Reservoir, one Utility Center, sheds for Agri. Implements and Motor Vehicles and Boundary wall with razor cut wire has been completed. Other components of the project which have also been completed include:
 - 500 acres of culturable waste land provided by the Government of Punjab (free of cost) near Jalalpur Pirwala(JPPW) has been developed with the help of bulldozers and laser land levelers.
 - 5000 meters long watercourse along with culverts and storage ponds has been constructed.
 - Lab equipment for undergraduate and post graduate research labs have been procured,
 - ICT equipment for internet connectivity of the computer labs to meet the requirements of courses related to agriculture and allied disciplines have been procured,
 - Furniture & Fixtures for classrooms, offices and labs have also been procured,
 - Farm and Agricultural Implements for use at research and experimentation farms has been procured,
 - Transport for the faculty and students and standby generators have been procured.

ADP Scheme titled “Provision of fresh Irrigation water and basic infrastructure at Jalalpur Pirwala Research Farm of MNSUA Multan” comprising of Rs.170.0 million with Gestation Period 2019-20 to 2020-21 (24 Months) has been approved and utilized to carry out the Civil Work including laying of 8991 KM pipeline for irrigation water, animal shed, input store, implement shed, training hall and boundary wall with allied external development. Furniture & Fixture has



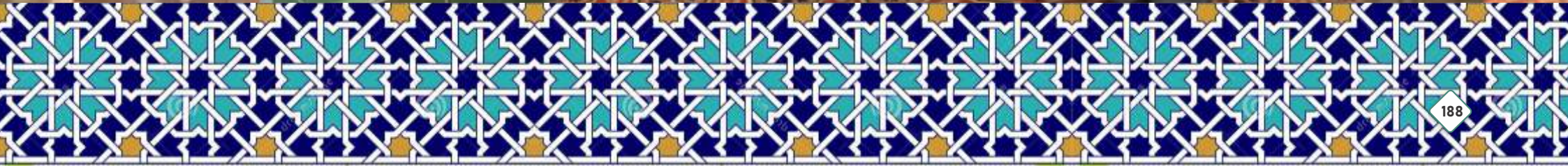
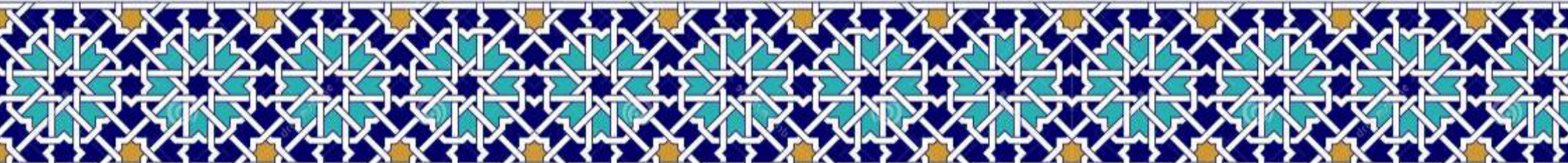
also been procured for training hall.

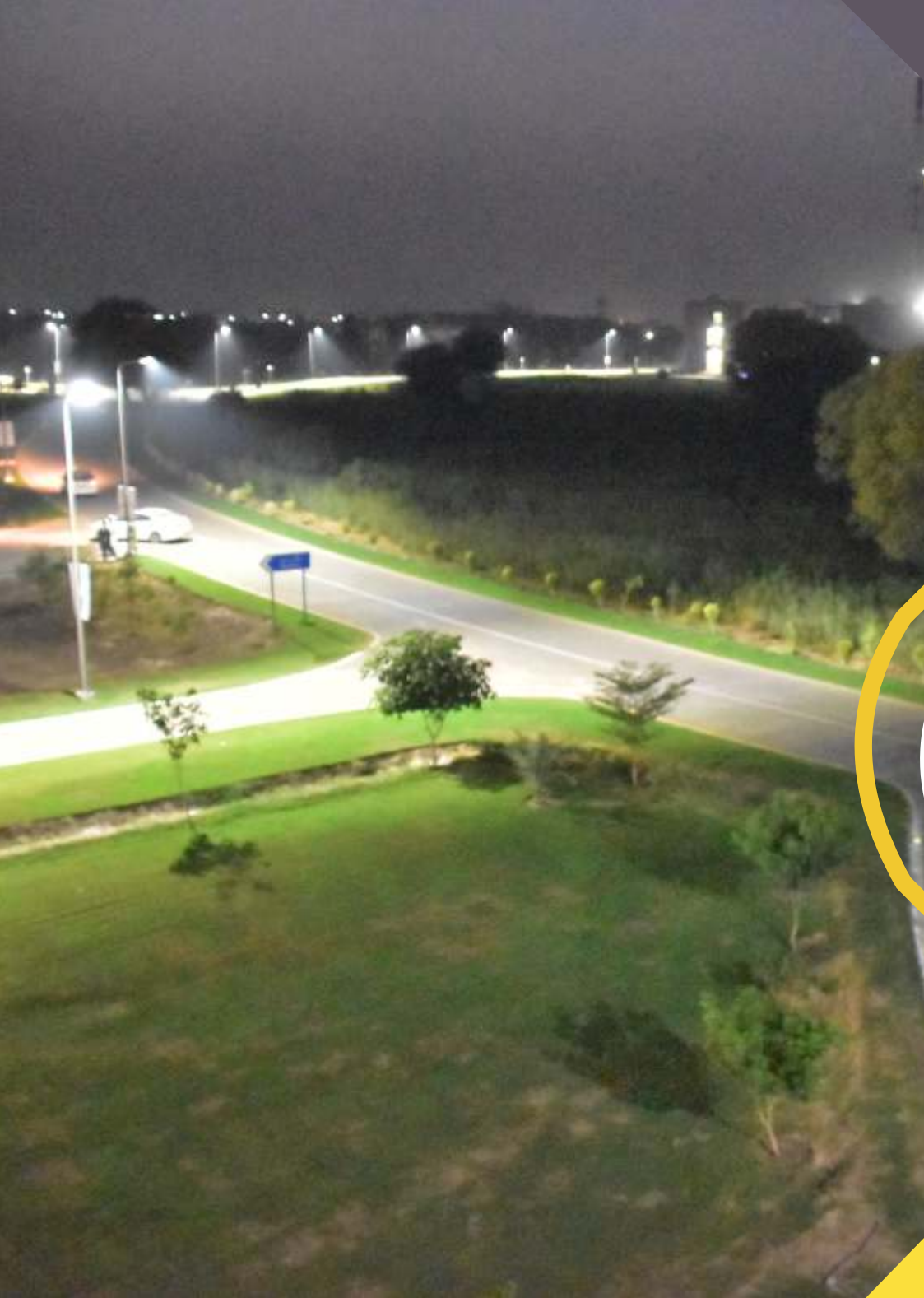
ADP Scheme Titled “Enhancing productivity in 10 low producing tehsils through deployment of fresh Agri. Scientists at farm level (Pilot Project)” comprising of funds amounting to Rs. 200.0 million with the Gestation Period 2019-20 to 2020-21 (24 months) has been approved and funds is being utilized to achieve the project objectives by deploying the number of 374 internees in 10 low producing tehsils of Punjab. The project objective would contribute to increase agricultural production, more employment opportunities in rural areas, higher income from the farming, better living standards of the farmers, and improved environment.

Higher Education Commission, Islamabad approved the scheme titled “Provision of basic facilities at MNS university of Agriculture, Multan” during 2020. The project comprises of the auditorium for 800 persons, Lecture Theater block, boys' hostel, girls' hostel, female faculty hostel and allied external services.



**Directorate of
Planning &
Development**





Directorate of Estate Management

www.mnsuam.edu.pk



The Directorate of Estate Management is responsible for all matters related to estate planning, estate management, safety and security of land, property and assets of the University.

Functions

- Professionally lead the estate and facilities service to ensure the delivery of high quality services from available resources
- To provide a secure and fear free working environment in which every person can perform his/ her assigned moral/ official duties without fear of unknown
- To ensure the development and implementation of estates and facilities management policies and procedures
- To provide project management services and delivery of projects ranging from campus improvements to alterations and refurbishment.
- To ensure compliance with statutory and mandatory requirements and performance of the estate and facilities to provide a safe and secure environment
- To ensure operations within the teams comply with all relevant Health and Safety regulations and best practice
- To ensure beautification and land scape of the campus and surroundings
- To promote plantation through awareness seminars and community services

Directorate of Estate Management





Ch Mohammad Sarwar
Chancell / Governor of the Punjab



Directorate of Information Technology

www.mnsuam.edu.pk



Introduction

The Directorate of Information Technology (IT) is focused on delivering a wide range of high-quality IT Services throughout the campus to all Academicians, Staff & Students. Providing a smart & robust environment where everyone has easy access to all IT services round the clock. The directorate of IT also ensures a secure, reliable, and efficient IT environment where optimized results would be attained.

Vision

Our vision is to provide instant, efficient & reliable cutting-edge wireless information technology solution and services up to the satisfaction of our potential users.

Mission

The DIT mission is to provide highest quality technology-based services & solutions that will elevate mission vision and goals of MNSUAM.

Working Area

We are responsible for installing and managing the IT infrastructure across the university, to maximize the throughput of university employees and learning of students.

The facilities under the umbrella of DIT are:

- Network Administration
- System Administration
- Web Administration
- Email Administration
- Computer Labs
- Audio Visual Facilities
- Video Conferencing
- Committee Rooms connectivity
- Seminar Hall connectivity
- Internet Connectivity (PERN-II)
- Wireless Connectivity between Blocks
- Service Request Forms
- Biometric Attendance System

Directorate of Information Technology





Student Financial Aid Office



Student Financial Aid Office

Overview

During the recent years, access to higher professional education in Pakistan particularly in Southern Punjab have become very expensive. Keeping in view of the increasing expenses day by day, it is becoming very difficult for the resource poor section of the society to educate their children. Under the circumstances, Student Financial Aid Office (SFAO) is committed to the success of our students by providing financial aid and advising services that support student recruitment, retention, and timely degree completion, and ensures that a world-class education remains within reach for all eligible students who need financial assistance to achieve their educational goals.

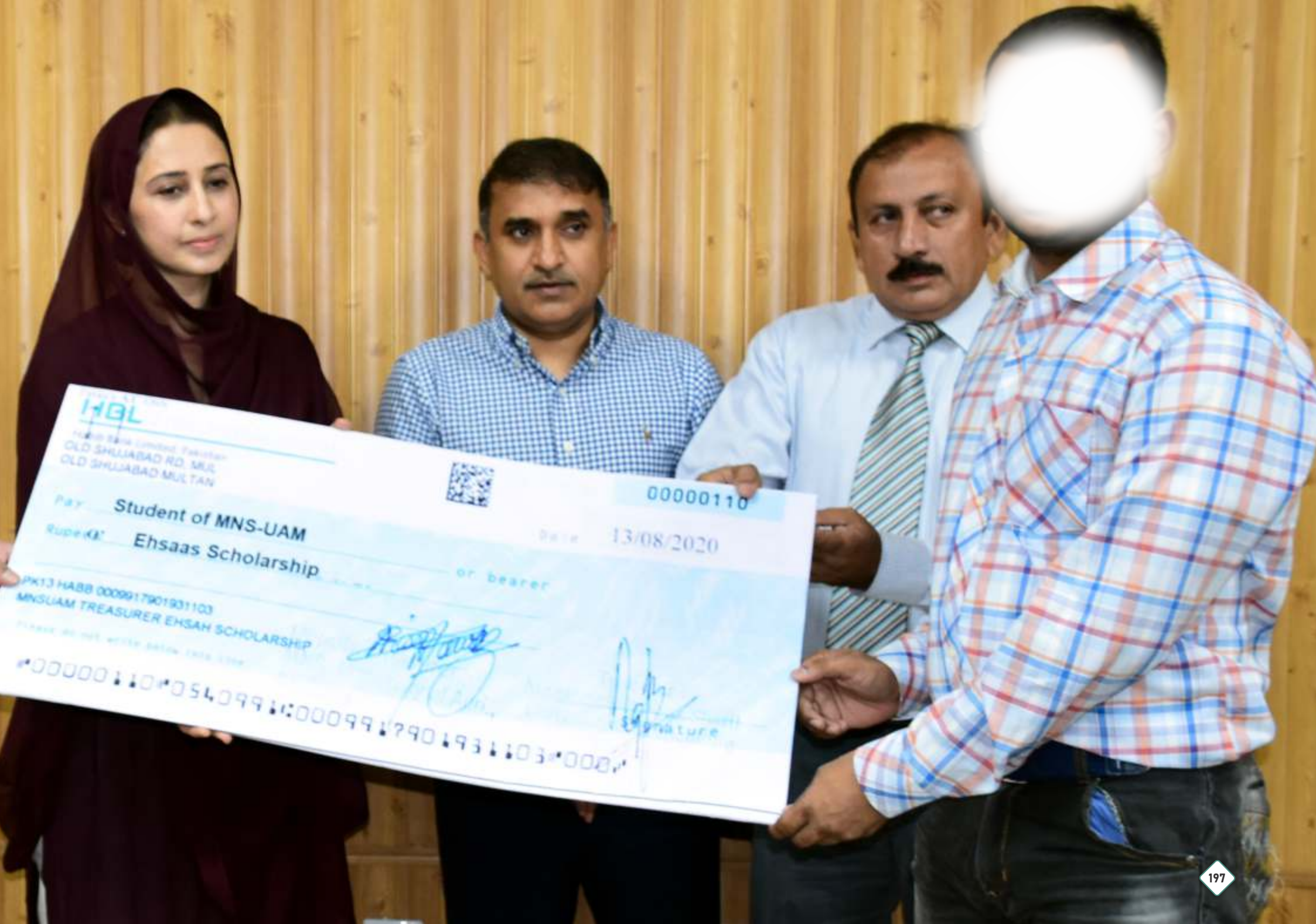
Scholarship offers

Currently SFAO offering following Scholarship to the deserving and merited students of MNS-University of Agriculture, Multan

1. University Merit Scholarship
2. HEC Need Based Scholarship
3. Need Based Scholarship from own resources (MNS-UAM)
4. Punjab Education Endowment Fund
5. Pakistan Bait-UI- Mal Stipend
6. Student Loan Schemes
7. Neelum Seeds Need Base Scholarships
8. Ms. Asia Sultan Need Base Scholarships
9. Asia Feed Mills Scholarship Program
10. Colony Textile Mills Scholarship program
11. FFS Scholarship Scheme
12. Gurmani Foundation Scholarship
13. Muhammad Rasheed Memorial Scholarship
14. Mehmood Need Base Scholarship Program

Miscellaneous Facilities

1. Tuition Fee Concession (50%) to 10% students of the class by Dean Faculty.
2. Facility to deposit dues in installments for financially Constraint students.
3. A number of students are working on various research projects sponsored by HEC/ Government Departments/ organizations (national and international) to perform work in exchange for money for their education
4. Hiring of student on hourly basis (Work-related learning experience for students who wish to develop hands on work experience in a certain occupational field).



HBL

HBL Bank Limited, Pakistan
OLD SHILLABAD RD. MUL
OLD SHILLABAD MULTAN



00000110

Pay **Student of MNS-UAM**
Rupee/Ki **Ehsaas Scholarship**

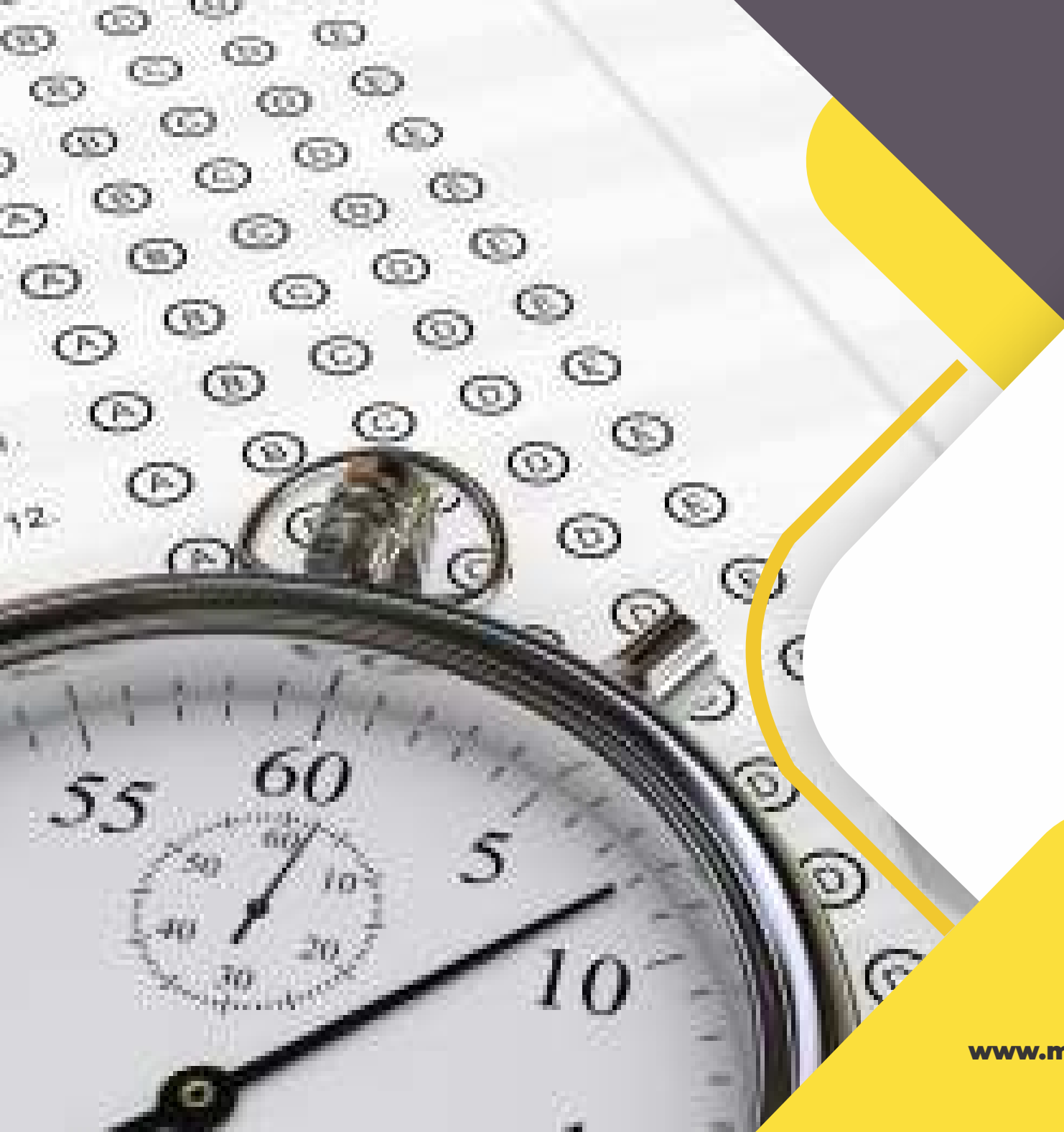
Date **13/08/2020**

or bearer

PK13 HABB 0000917901931103
MNSUAM TREASURER EHSAS SCHOLARSHIP

[Handwritten signatures]
Signature

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Office of Controller of Examinations

www.mnsuam.edu.pk





Office of Controller of Examinations

The Office of the Controller of Examinations is an integral component of the University administration. Primarily, this office compiles / notifies the results submitted by the faculty members / examiners and issues degrees / certificates / diplomas to the successful candidates after completing all the requirements laid-out in the University statutes and regulations. The Controller of Examinations is responsible for all matters concerned with the process of nomination of internal and external examiners from the competent authority for evaluation of Postgraduate (M.Sc./Ph.D) Theses. This office also verifies the degrees/certificates/diplomas submitted by the applicants.

Vision

To develop and establish quick, fair, transparent and secure system of examinations and evaluation in the University and sets the standards of quality, credibility and reliability in all of its functions

Mission

Our mission is to provide best services to our current and Ex-students and to facilitate them in getting their transcripts and degrees and to make examinations record accessible for quality assurance

Objectives

- To establish a strong, reliable and credible examination/evaluation system in the University
- To improve the quality of examination and evaluation, and ensuring credibility of the processes throughout the system
- To ensure that all components of the examinations system in the institution follow the rules and policies of the Higher Education Commission(HEC) in true letter and spirit to ensure the same quality standards across the country
- To improve the examinations and evaluation policies of the University to make them flexible enough to adopt the changing environment on continuous basis
- To boost the examination system to the optimum level to get better, speedy and reliable results

Achievements

The Office of the Controller of Examinations successfully organized first Convocation for the sessions of 2012-16 and 2013-17 and distributed medals among the position holders students and also distributed degrees to the undergraduate passed students. Developed online systems for entry test and admission with the help of Department of Computer Science and Directorate of IT



Continuing
education



**Department of
Continuing
Education**

www.mnsuam.edu.pk



Chinese Language and Culture Center



Certificate Distribution Ceremony

For the short course

BASICS OF CHINESE LANGUAGE AND CULTURE

Department of Continuing Education
Muhammad Nawaz Sharif University of Agriculture
Wuzhen, China
中文





Department of Continuing Education was established in 2015. Aim of the Department is to provide people with basic skills and knowledge in Agriculture, Languages, Computer Science & IT and other different fields for their capacity building and to make them able to earn better by having different expertise and putting a share in growth and development of country. The purpose for establishment of the Department was to increase outreach of the University and to develop skills of the people of Southern Punjab in different disciplines with very reasonable fee structure so that the non-affording people may also excel and get trainings to earn. As the University is situated in Agricultural Complex, the focus is on the training of different agricultural skills to develop and capacity building of human resource.

Achievements

Department has conducted thirty above short courses in Agriculture, Food Science, Languages and Computer Science & IT sector in few years and 951 students have been certified under the umbrella of Department of Continuing Education. 438 students have been trained and certified with the funded collaboration of Punjab Skill Development Fund (PSDF). The students in PSDF schemes got free education, uniform, bag, stationary material and everything free and they were also provided a monthly stipend of Rs.1500/-. About 276 persons have been trained with the funded collaboration of National Vocational and Technical Training Commission (NAVTTTC) under the Prime Minister Youth Skills Development Program and Prime Minister's Hunarmand Pakistan Program. The students under these schemes got free education and have been skilled well.



**Department of
Continuing
Education**

IFC Housing
 Honor Code
 Residence Life
 International Students
 Services SGA
 Student Organizations
 Integrity Student Health
 ROTC
 Diversity
 BAACHUS
 ePatriot
 Programs
 Development Center
 University Center
 Support
 Ship FMU
 Critical Thinking
 Testing MAB
 Students
 Patriot Spirit
 Advisory Committee
 Resources
 Recreation Services
 NPC
 Miss FMU
 Multicultural Affairs
 Perserverance
 Dialogues Project
 Greek Life
 Archigian Society
 NMGC



Directorate of Student Affairs





Directorate of Student Affairs

Students are the core of what MNS MNS-University of Agriculture, Multan is all about. Directorate of Students Affairs sustains a conducive ecology for vibrant youth of campus for wellness, leadership development, personal grooming, capacity building for entrepreneurship to inculcate innovative thoughts and interests. The directorate establishes a liaison between university administration and student community to support and encourage the intellectual, personal, social and cultural development of students.

The Directorate provides all necessary arrangements starting from first admission inquiry to the last day at the Campus. This office functions as a friend and guide for students and is proving a bridge between administration and students to address their genuine problems.

DSA office is also involved to check political or unlawful activities of the students. The Office in collaboration with Career Development Centre and Placement bureau not only concentrates on curricular and co-curricular, but also profoundly concerned with the career building and financial assistance of the students.

Objectives

1. To maintain discipline at the campus for the maintenance of peace and harmony at the campus
2. To issue "Computerized I.D. Cards" to students, teachers and staff of the University.
3. To provide opportunities for capacity building, leadership development and entrepreneurship through seminar, training programs, conferences and competitions etc.

Vision

The Directorate of Student Affairs is dedicated to the personal, intellectual, professional, interpersonal, spiritual development of students that promotes a healthy and diverse campus community.

Mission

The mission of the Directorate of Student Affairs is to:

1. Promote student learning and holistic development that also fosters a recognition and appreciation of diversity;
2. Provide services, facilities, and physical structures which encourage interpersonal engagement, stimulation of the learning process and promotes mental, physical health and wellness;



3. Foster a campus community which promotes student involvement through enhanced interpersonal and social engagement opportunities, organizations and programs;
4. Develop and enhance collaborative relationships with students, faculty, staff, and the external community to better serve student needs and ensure high quality services and programs;
5. Develop and expand efforts that encourage student recruitment, retention, and graduation.
6. Develop leadership and citizenship skills by involving students in varied group experiences and roles, combined with training, supervision and consultation in leadership and group membership responsibilities and techniques.
7. Implement orientation programs which effectively acquaint students with the resources and opportunities available to them and which encourage their probability of success.
8. Provide and maintain structures for the development of reference groups and interest groups which respond to the changing needs of students through coordinating student group advising and student leadership training.

Student Bodies

Besides academic excellence, MNS-UAM display dynamic literary, creative and artistic abilities and aptitude for co-curricular activities. In order to provide them with opportunities to pursue their passion in the company of like-minded individuals, Office of Senior Tutor is functional under the auspices of Directorate of Student Affairs Directorate. Deputy Director Student Affairs is the chief coordinator and thus responsible for smooth prevalence of co-curricular activities at the campus The following central clubs and societies provide students the opportunity to exhibit their talents:

Clubs/Societies	Focal Person	Email	Contact
Qirat & Naat Club	Dr. Muhammad Nadeem	nadeem.ahmad@mnsuam.edu.pk	03454134341
Debating Club	Dr. Hafiz Nazar Faried	nazar.farid@mnsuam.edu.pk	03334882877
Dramatic Club	Dr. Sarmad Farogh Arshad	sarmad.arshad@mnsuam.edu.pk	03037941882
Literary Club	Dr. Unsar Naeem-Ullah	unsar.naeem@mnsuam.edu.pk	03006358808
Rotract Club	Dr. M. Usman Jamshaid	usman.jamshaid@mnsuam.edu.pk	03339918592
Media Club	Dr. M. Aamir	aamir.hussain@mnsuam.edu.pk	03007302206
Blood Donation Society	Dr. M. Shahbaz	shahbaz.ft@mnsuam.edu.pk	03336588618
Character Building Society	Mr. Naeem Toor	naeem.toor@mnsuam.edu.pk	03006842514
Plant for Life Society	Dr. Muqarrab Ali	muqarrab.ali@mnsuam.edu.pk	03006752253
Mosigla Beats	Dr. Muhammad Abid	muhammad.abid@mnsuam.edu.pk	03066969184
Young Students Peace Society	Dr. Mirza Abdul Qayyum	qayyum.mirza@mnsuam.edu.pk	03006994569
Rover Scouts	Dr. Umar Ijaz Ahmed	umar.ijaz@mnsuam.edu.pk	03008547247
Women Empowerment Club	Ms. Saima Rasheed	saima.rashid@mnsuam.edu.pk	03006909924
Agriculture Volunteer Society	Dr. Muhammad Abid	muhammad.abid@mnsuam.edu.pk	03066969184
ICT Club	Dr. Abdul Razzaq	abdul.razzaq@mnsuam.edu.pk	03017157144





Directorate of Student Affairs



Public Relations and Media Affairs

www.mnsuam.edu.pk





The Department of Public Relations and Publications (PRP), Muhammad Nawaz Shareef University of Agriculture, Multan existed since the establishment of the University. It gained promotion and resources with time and now it has been flourishing rapidly. The department has an important role and it adds a lot to value of the institution as it acts as a bridge between media (print and electronic) of the country and the institution in promoting updates of the activities of MNSUAM. The Department deals with all aspects of media coverage which includes journalism, photography, printing, publication and public information services. The department is privileged for projection of the achievements and on ground research of the university. Communication with the print and electronic media is also one of the main focus areas of the department. The weekly news bulletin helps the students, researchers and public offices to get latest information about the university. The bulletin has been designed keeping in view the requirements of the Higher Education Commission Pakistan. Coverage of various formal gatherings and official functions is also under the PRP. The department also focuses on key agriculture issues and their possible solutions. All collaborated events organized within the university or outside the university have also been a privilege of the PRP department to facilitate the events with the coverage. All social events organized with the help of other institutions or firms are also facilitated by this department.

Vision

To achieve excellence in print and electronic media coverage through collaboration, hard work, dedication and skill. Promoting positive journalism and updates of the institution and other organizations and including both academic and extra-curricular activities.

Mission

To provide updated and positive projection of the university to the general public and other organizations while keeping in view the basic needs of community.

The PRP department of MNS-UAM consists of following domains.

1. Public Relations Office

The Office has been developing linkage with the public and private sector institutions in order to promote a culture of shared responsibility and regional development.

Public Relations and Media Affairs



2. MNSUAM Media Club

For better coverage of events and training the students interested in media, the MNSUAM Media Club has been providing a platform for training in order to grab future opportunities.

3. Press Release Section

The press releases are regularly disseminated among print and electronic media groups. Scanned copies of published press releases are also regularly emailed to the students and faculty members.

4. Media Data Cell

All the published information in shape of picture, footage, press release in newspaper, TV channel reports relevant to agriculture and the university are kept in the form of compiled information in documented format and visual form for future reference and use.

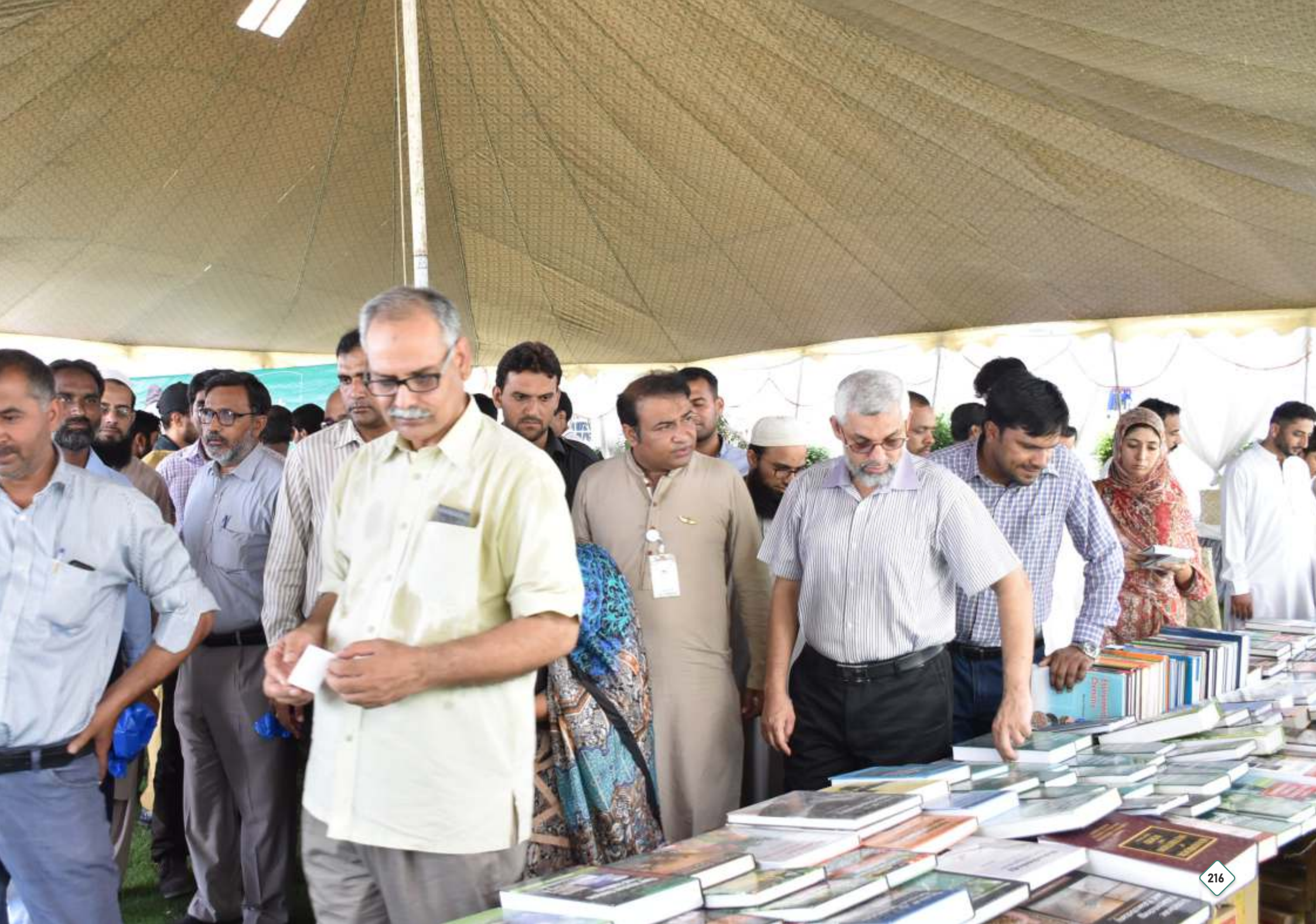


Public Relations and Media Affairs



LIBRARY

www.mnsuam.edu.pk



SARDAR TANVEER ILYAS KHAN LIBRARY





The MNS-UAM Library has been established with a view to equipping its users with knowledge and skill. In support of mission, the library integrates print and electronic resources and provides a comprehensive program of service, which allows broad access to information in all formats.

Vision

- Developing and maintaining collections that facilitate of the academic pursuits of the university.
- To locate, evaluate and use information available in a variety of innovative and traditional formats.
- Promoting the access to novel resources through innovative methods.
- Fostering a work-place culture where library staff understands the efforts required by this university in this rapidly changing information environment.
- The Library continues to embrace change and align itself with modern times in providing a student-centered learning environment, to support professional growth and opportunity, and to reward flexibility and innovation.
- To serve future users, the Library preserves information across all formats and ensures effective storage and delivery systems.

Mission

- Our mission is to excel in supporting the academic and scholarly endeavor of our users, in their core instructional and research requirements through utilizing the best possible resources, systems and services.
-
- The library aims to encourage and support the academic and research activities of faculty, staff and students. It provides a full range of services that include online information searching, reference services, inter-library loan, document delivery (printed and electronic), access to digital resources etc.

Key Services/Objectives

- To make the Department a premier knowledge hub for MNSUAM community that promotes the university's global enterprise vision.
- To develop and enhance the information sources and services to meet the demands of the curricular, instructional, and research programs of the academic community.
- To train student's/faculty members in mastering information skills that will enrich their academic and personal lives and enable them to become independent lifelong learners.



Sports Section





The Sports Section arranges well organized sports and recreation programs/activities for the students and faculty/staff members on regular basis. Our sports activities are meant to provide quality fitness and conducive environment that inspires participants to engage in competitive events on various levels, institutional and national. The main goal of sports activities is to provide plenty of opportunities to students to keep them healthy with desirable character and remarkable personality traits.

Objectives

The objective of this Section is to improve personal growth of the students, by promoting good health practices.

Mission

Promotion of mental and physical health via quality facilities, equipment, and programs that offer a broad range of coordinated activities and instructional classes which complement the academic environment and accomplish basic human needs such as relaxation, socialization, and having fun.



Sports Section



Hostel Facilities

www.mnsuam.edu.pk



Hostel Facilities

University of Agriculture, Multan is providing lodging facilities to its students. The hostel is allotted to the regular students of the University subject to the availability of seats and in accordance with hostel regulations. Interested students apply for hostel accommodation as and when announced. The hostel is supervised by the Hall Warden assisted by hostel Superintendent, Assistant Superintendent and different organizing committees run by the residing students.

Vision

Provision of clean and comfortable accommodation to the students

Mission

Our mission is to offer secure, supportive, clean and comfortable environment that can effectively contribute to the personal and academic growth of students.

Residential Facilities

Hostel is facilitated with living rooms, mess hall, TV room, kitchen, visitor's room and sports ground. The environment of hostel is very friendly and conducive to learning. It is well furnished and equipped with modern living facilities including clean drinking water coolers, washing machines geysers, gas cylinders, newspapers and internet etc. for the students.

University transportation is also available for the ease of students. It is mandatory for all boarder students to abide by the rules and regulations of MNSUAM hostel. If any student fails to follow the rules or is guilty of misconduct, he/she is liable to appropriate actions as laid down in these regulations. For room allotment, the candidates have to fill up the hostel form as per rules of hostels and submit within the due date specified each time. The forms are not entertained after due date. A limited number of seats are available each time.

Provision of Sports and other stuff for co-curricular activities is the priority agenda of hostels. Separate mess service, RO plant filtered water, and secured living is hall mark of hostel at MNS University of Agriculture, Multan. Electrical Water Coolers have been installed at various points in all the hostels for provision of filtered chilled water. Hot water supply by geysers is available in each hostel during the winter season in the washrooms.

English and Urdu Newspapers are provided in the each of the hostels. Telephone extensions from the main exchange of the University having telephone numbers 061-90671403 and 061-90671405 are available for Jasmine and Mulberry Courts respectively.

Following facilities were extended by the office of Hall Warden to the boarder students of Jasmine and Mulberry Courts;

- + Annual Sports of Hostels
- + Establishment of 3 Specific rooms for Faculty parallel to Guesthouse at both hostels
- + Construction of Basketball courts near Mulberry Courts



Transport Section

www.mnsuam.edu.pk



Transport Section

MNSUAM transport fleet consists of six spacious buses and one coaster which provide comfortable and in-time facility of pick & drop to all corners of the city through well-defined routes system. This system provides pick and drop twice a day to the morning and evening sessions. The Transport Office is committed to improve its services in the coming years with progressive increase in the number of buses and vehicles.

Vision

To provide safe and clean transport facility to the students and staff members throughout the year with ultimate responsibility

Mission

- To facilitate the students coming from distant areas
- To arrange the official tours of the university
- To facilitate field and study tours
- To provide appropriate transport in any emergency to the border student

Following is the Route plan of MNS-UAM transport fleet:

Route 1

Chungi No -9, Goal Bagh, Lodhi Colony, Pull Barraran, MDA Chowk, Raza Abad Chowk, Pul Wasil, Chungi No-1, Khan Plaza, Imperial Chowk, Bomanji Chowk, Double Phatak, Chungi No-21, MNSUAM

Route 2

BZU, Bahadur Pur, Sayyedana Wala By Pass, Shalimar Colony, Chungi No-6, Kalma Chowk, Nawan Shehar, Dera Adda, Aziz Hotel, Double Phattak, Farooq Pura, Chungi No -21, MNSUAM

Route 3

Madni Chowk, Jinnah Park, Vehari Chowk, BCG Chowk, Ghalla Mandi, Chowk Shah Abbas, Timber Market, Wallayat abad, Double Phataak, Aziz Hotel, Chungi No -21, MNSUAM

**Route 4**

Piran Ghaib, Chowk Qazafi, Gulistan Chowk, Behar Chowk, Kachhi Sarai, Dolat Gate, Manzooran Abad, Pull Mumtaz Abad, BCG Chowk, Qasim Pur Colony, Bahawalpur Bypass, Nag Shah Chowk, Kayan Pur Chowk, C Block, MNSUAM

Route 5

Muzaffar Abad, Karachi Hotel, Mill Phatak, Alquresh Colony, Nadir Abad, Garden Town, Taunsa Sharif Street, Qasim Bela, Ghora Chowk, Baba Ghareeb Shah, Aziz Hotel, Double Phatak, MNSUAM

Route 6

Vehari Chowk, Jinnah Park, Madni Chowk, Qazzafi Chowk, Rasheed Abad, Eid Gah, Fly over Kalma Chowk, Nishter Hospital, Gelani Road High Court, KFC Chowk, SP Chowk, Bomanji Chowk, Aziz Hotel, Double Phatak, Chungi No -21, MNSUAM

**Transport
Section**



Rover Scouts Unit

www.mnsuam.edu.pk





Rover Scouts Unit

Scouting in MNSUAM was started on December 02, 2016, in the supervision of Prof. Dr. Asif Ali (T.I), Vice Chancellor, MNSUAM, who took oath as a Pattern in Chief/ Chief Scout of Rover Scouts Unit, MNSUAM. It is just only one movement or society of MNSUAM in which the Vice Chancellor is also a member. Dr. Umar Ijaz Ahmed (Assistant Professor, Agribusiness and Applied Economics Department) is the President of Rover Scouts Unit, MNSUAM. Under the supervision of Pattern in Chief and Pattern, Prof. Dr. Irfan Ahmad Baig (Dean, FSS&H), the scouting for girls was also started at University on February 25, 2021. Dr. Amir Bakhtavar (Lecturer, Agronomy) and Dr. Naheed Bano (Assistant Professor, Animal Sciences) took oath as the Vice-President male and female, respectively.

The Mission of Scouting is to contribute to the education of young people, through a value system based on the Scout Promise and Law, to help build a better world where people are self-fulfilled as individuals and play a constructive role in society.

Scouting is a movement that aims to support young people in their physical, mental and spiritual development, that they may play constructive roles in society, with a strong focus on the outdoors and survival skills.

It is one of several worldwide youth organizations. Scouting is a great way to get your child involved. Through scouting organizations, children make friends, develop skills and become involved in their community. There is no doubt that parents value what Scouting does for their children. Parents say Scouting gives their children more confidence, responsibility, a broader set of friends, a chance to pursue things they might not get to do otherwise, adventure and an extended family.

The Rover Scouts Unit, MNSUAM is a dynamic, self reliant, educational organization providing value based, challenging and attractive program through efficient leaders and effective organizational management, making a significant contribution to the society and the country.

The Rover Scouts Unit work in supervision of an Advisory Council based on the following members;

- Senior Rover Mate (SRM)
- Dy. Senior Rover Mate (DSRM)
- Unit Secretary
- Counselor
- Quarter Master
- Assistant Quarter Master
- Sports Secretary
- Press Secretary

Who are selected on specific criteria from volunteer's students.

Scouts from unit had been participated in the following events:

- 4th All Punjab Snow Fall Hike 2017, Murree Galliyat



Rover Scouts Unit

- Flood Relief Mock Exercise, Regional Scouts Office, Multan
- Hike to Fort Munro in collaboration with Regional Scouts Office, Multan
- 35th All Punjab Rover Moot 2017, Scouts Nasheman Ghora Ghali Murree
- National Integration Desert Hike, Derawar Fort, Cholistan Bahawalpur 2018
- 5th All Punjab Snow Fall Hike 2018, Murree Galliyat
- Silver Jubilee National Hike for Rover Scouts-2018 / A Centenary Events of International Rover Scouting
- 36th All Punjab Rover Scouts Moot-2018, Scouts Nasheman Ghora Ghali Murree
- 6th All Punjab Snow Fall Hike 2019, Murree Galliyat
- Better Frame-Work Camp-2019 at NHQ, ISB dated on Nov. 16-22, 2019
- Voluntarily Participated in Hajj Service-2019 as Khudam-ul-Hujjaj at Zikria Zaireen Complex, Multan under Hajj Directorate, Multan
- 8th All Punjab Snow Fall Hike 2020, Murree Galliyat dated on Feb. 11-14, 2020
- Jota-Joti (Jamboree on the Air-Jamboree on the Internet) 2020
- Participated in Presidential Rover Scouts (PRS) Test 2020
- 13th Provincial Desert Hike for Rover Scouts / Leaders Derawar Fort, Cholistan Bahawalpur, 2021
- Rovers from RSU MNS-UAM also organized the following events at MNS- UAM for students and faculty:
- World Scouts Day Celebrations & Cleaning Campaign 22-Feb-2017
- 03 Days Rescue Training Course, Community Actions for Disaster Responses (CADRE) during April 25-27, 2018
- 1st Annual Scours Exhibition and Campfire-2018 on Nov. 15, 2018
- 1st Annual Summer Hiking & Trekking Course-2019 dated on 17-24 July 2019 (Trek: Utror to Jandrai Village via Jahaz Banda Pass)
- One Night Camping at Derawar Fort, Cholistan Bahawalpur-2020 dated on Feb. 29 – March 01, 2020
- Distribution of Face Masks and Hand Sanitizers to General Public and University Staff
- 02 Days Rescue Training Course, Community Actions for Disaster Responses (CADRE) during October 26-27, 2021
- 03 Days Scouts Membership and Hamdam Badge Camp at MNS-UAM during Nov. 04-06, 2021

Along these events Rover Scouts also organized or managed the Admission Guidance Desk during 2017, 2018, 2019 and 2020 admissions at University. Dr. Umar Ijaz Ahmed (President RSU) has been awarded with the charge of "Provincial Coordinator (Punjab) for World Scout Environment Programme (WSEP)" from Chief Commissioner, Pakistan Boy Scout Association. He has also completed Assistant Leader Trainer (ALT) course during 2020.



Rover Scouts Unit

Overall Allocation of Seats for Undergraduate Degree Programs (Session 2021)

Sr. No.	Degree Program	Seats*
01	B.Sc. (Hons.) Agriculture	850
02	B.Sc. (Hons.) Environmental Science	50
03	Bachelor of Science in Computer Science (BSCS)	200
04	Bachelor of Science in Data Science (BSDS)	50
05	Bachelor of Science in Information Technology (BSIT)	200
06	B.Sc. (Hons.) Agricultural and Resource Economics	150
07	BBA Agribusiness	50
08	B.Sc. (Hons.) Poultry Sciences	50
09	B.Sc. (Hons.) Animal Sciences	50
10	BS Microbiology	50
11	BS Zoology	150
12	B.Sc. Agro-industrial Engineering Technology	40
13	B.Sc. (Hons.) Human Nutrition and Dietetics	35
14	B.Sc. (Hons.) Home Economics	60

* self support seats are available for degree programs mentioned at serial No. 3-6.

Academic Calendar and Fee Structure

Academic Calendar 2021

Sr. No.	Particulars/ Activity	Date
A	Enrollment Winter Semester 2021-2022	September 01 to September 10, 2021
1.	Commencement of Classes	13-09-2021
2.	Mid-Term Examination	10-11-2021
3.	Final Term Examination	06-01-2022
4.	Result Declaration	26-01-2022
	Total Duration	20 Weeks
B	Enrollment Spring Semester 2022	January 27 to February 03, 2022
1.	Commencement of Classes	04-02-2022
2.	Mid-Term Examination	04-04-2022
3.	Final Term Examination	31-05-2022
4.	Result Declaration	22-06-2022
	Total Duration	20 Weeks

Fee Structure

Sr. No.	Particulars	1 st Semester	Subsequent Semesters
		PKR	
1	B.Sc. (Hons.) Agriculture/ B.Sc. (Hons.) Environmental Science/B.Sc. (Hons.) Agricultural and Resource Economics/BBA Agribusiness/B.Sc. (Hons.) Poultry Sciences/B.Sc. (Hons.) Animal Sciences/B.Sc. (Hons.) Home Economics/BS Microbiology/BS Zoology	32,000/-	24,000/-
2	BS Computer Science BS Data Science BS Information Technology	40,000/-	32,000/-
3	B.Sc. (Hons.) Human Nutrition and Dietetics	40,000/-	35,000/-
4	B.Sc. Agro Industrial Engineering Technology	38,000/-	24,900/-
5	Hostel Fee	16,000/-	15,000/-
6	Hostel Fee for Foreign Students (US\$)	500/-	300/-

* For admissions on self support basis, student must have to pay PKR 100,000/- with 1st semester dues at the time of admission. Applicable to selective programs mentioned at Serial No. 3-6 on previous page (Seat Allocation).

AFFIDAVIT
(UNDERTAKING)

A) I, Mr./Miss. _____ CNIC # _____
son/daughter of Mr. _____ CNIC # _____ resident of _____
do hereby declares on
oath/solemn affirmation at _____ on _____ that I have been admitted
provisionally in the Muhammad Nawaz Sharif University of Agriculture, Multan, in
_____ (name of Certificate / Degree), will not indulge in
'Politics' during my studies. In case on having been found indulging in 'politics', the finding/decision of the Vice
Chancellor, University of Agriculture, Multan (Head of the institution) shall be final and not be questioned except only
before the Supreme Court of Pakistan.

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 _____ on oath/solemn affirmation to the best of my
knowledge and belief that whatever is declared above by my son/daughter/deponent is
true, and the findings / decision of the Vice Chancellor (Head of the Institution) regarding indulgence in 'Politics', of my
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: _____

[On Judicial Paper worth Rs.200/-]

(Specimen of declaration/undertaking to be submitted by provisionally selected candidates at the time of enrollment formalities)

DECLARATION

I, Mr./Miss. _____ s/o, d/o _____ resident of _____ have been selected provisionally for admission to _____ (name of certificate/degree) at the Muhammad Nawaz Sharif University of Agriculture, Multan. Accordingly, I hereby declare on oath on solemnly affirm that:-

1. On admission to the privilege of being a student, I shall under take on oath and solemnly affirm to abide by the following:
 - 1.1 that during my stay in the University I shall diligently apply myself to acquire and develop the 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 for sitting in the examination;
 - 1.4 That I shall maintain identity as student of the university by wearing University ID Card and gown 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 other 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 In case of 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, regulation and rules as may hereafter be framed by the appropriate authorities of the University. It is certified that the conditions and all the relevant regulations have been read and understand by us.
 - 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.

DECLARATION

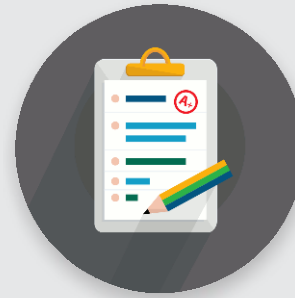
- 2 Further, I undertake on oath and solemnly affirmed to refrain from;
- 2.1 doing anything which may cause injury and insult to Head of Institution ,teacher, officers and other staff of the Institution;
- 2.2 holding a gathering, or meeting or taking out processions in any part of University Campus 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 punished students, anti social elements or other groups presence of whom on the campus should 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 of moral turpitude;
- 2.6 bringing 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 or damaging any University property, including, equipment's vehicles, etc. in any manner;
- 2.9 all such acts and deeds as might bring dis-grace and bad name to the University;
- 3 breach of any above instructions is liable for disciplinary action according to the University rules.
- 4 I undertake that if I am found involved in any unlawful activity/providing incorrect information at any stage of study, violating the above he declaration or using bogus/fake/tempered educational certificate/any other document, the University shall have the right to cancel my admission without assigning any reason.
- 5 Further undertake that I was not involved in any indiscipline and misconduct case(s) during my stay at the institution last attended. In case it is proved anti at a later stage, the University shall have the right to cancel my admission without assigning any reason.

Signature of father/guardian

Date

Signature of the applicant

Please attach attested copies of CNIC/B form of applicant and father/guardian



Important Instructions

(1) If a candidate (fresh entrant) once admitted on merit, deposits the prescribed dues and enrolls himself/ herself by submitting or not submitting GS-10 Form and subsequently leaves the university under any circumstances, total dues except "admission fee" deposited by him/her shall be refunded as per percentage and time limit given below.

Dues Refund Policy	Time Limit
Full (100%) Refund of Entry fee and total dues/hostel dues deposited excluding admission fee	Upto 7 th day of commencement of classes
Half (50%) Refund of entry fee and total dues/hostel dues deposited Excluding admission	From 8 th –15 th day of commencement of classes
No (0%) Refund	From 16 th day of commencement of classes

(2) If a Regular student after depositing dues leaves the University at his/her own either submitting or without submitting GS-10 form, the normal dues/hostel dues and entry fee deposited by him/her shall not be refunded



MNS-UNIVERSITY OF AGRICULTURE, MULTAN

 Agriculture Complex, Old Shujjabad Road, Multan-Punjab-Pakistan

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