

UF-BT-362	Structural and Functional Genomics lab	1. Student will learn basics of all related streams of Structural and Functional Genomics such as Analysis of mutation, Bacterial genome amplification , Bacterial Genome Sequencing , Phylogenetic study etc
UF-ED-711	Metabolism and Bioenergetics	1. This course deals with characteristics, properties and biological significance of the biomolecules of life. In depth knowledge of the energetic and regulation of different metabolic processes in microorganisms.
UF-ED-712	Metabolism and Bioenergetics Lab	1. Student will learn basics of all related streams of Metabolism and Bioenergetics such as Lowry's method, Barford method, Column Chromatography , thin layer chromatography, Nelson- Somogyi's method etc.
SEC-021	Hands on Training Courses- Fundamentals of Tools and Techniques	1. Student will be skilled in this course for Fundamentals of Tools and Techniques. Student will learn about handling all the instruments related to Biotechnology with their concept knowledge.
SEC-022	Hands on Training Courses- Fundamentals of Tools and Techniques Lab	
Industrial Visit		
VAD-001	Cyber security	1. The paper aims at creating awareness as to importance and role of cyber security

UMC-001	Women Rights & Law	1. The paper aims at creating awareness as to importance and role of women in society through the medium of law. It also focuses on women welfare laws.
ECA-001	Extracurricular activities	
UMC-007	Community development activities	

COURSE OUTCOMES-3rd SEMESTER (M.SC. BT)

Course Code	COURSE NAME	COURSE OUTCOMES
UF-BT-353	Bioinformatics	1. This course develops the concepts of Knowledge and awareness of the basic principles and concepts of biology, computer science and mathematics; existing software effectively to extract information from large databases and to use this information in computer modeling.
UF-BT-354	Bioinformatics Lab	1. Student will learn basics of all related streams of Bioinformatics practical approaches such as BLAST, FASTA etc.

UF-BT-363	Genetic Engineering	1. This course aims to introduce the fundamental tools and techniques required for molecular cloning, with emphasis on DNA editing to protein expression in wide variety of hosts. Application of genetic engineering in agriculture, therapeutics and industry will be covered.
UF-BT-364	Genetic Engineering Lab	1. Student will learn basics of all related streams of Genetic Engineering practical approaches such as electroporation , Primer designing and PCR program, Transformation method etc
UF-BT-327	Animal Biotechnology	1. It is to develop concepts in Remember and Understand the Fundamental Concepts of Animal Cell Culture techniques. Understand and envision the future Commercial aspects of Animal Cell culture.
UF-BT-328	Animal Biotechnology Lab	1. Student will learn basics of all related streams of Animal Biotechnology practical approaches such as optimum pH of trypsin, technique of cold trypsinization etc.
UF-ED-723	Molecular Enzymology	1. This course develops the concepts of methodology involved in studying the different components of microbial cell and various techniques and instruments involved and product analysis.
UF-ED-724	Molecular Enzymology Lab	1. Student will learn basics of all related streams of Molecular Enzymology practical approaches such as effect of pH on activity of alkaline phosphatase. Time course of enzymatic reaction, rate of enzymatic reaction etc

SEC-004	Hands on Training Courses- Plant Tissue Culture Techniques	1. Student will be skilled in this course for Techniques in Plant Tissue Culture. Student will learn about handling all essential Techniques related to Plant Tissue Culture.
SEC-025	Hands on Training Courses- Plant Tissue Culture Techniques Lab	

COURSE OUTCOMES- 4th SEMESTER (M.SC. BT)

COURSE CODE	COURSE NAME	COURSE OUTCOME
UF-BT-365	Dissertation	
UF-BT-366	Cellular and Tissue Engineering	1. Course Outcomes: It is to develop concepts in Cell and tissue engineering includes the study of cellular mechanics and cell signalling, mechano transduction, bio systems engineering and computational biology, nanotechnology, microfluidics, bio-MEMS and gene chips, functional tissue engineering and biomaterials, tissue structure-function and cell-matrix interactions.
UF-BT-367	Research Methodology	1. Understand the methods and role of scientific approach to research. 2. Understand the various experimental designs, methods of sampling their analysis and data collection.
UMC-003	Help Aid	
ECA-001	Extracurricular activities	
ECA-001	Community development activities	



REGISTRAR
Jayoti Vidyapeeth Women's University
Jaipur



JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR
ESTABLISHED BY GOVERNMENT OF RAJASTHAN
UGC APPROVED | NAAC ACCREDITED

Department of Science and Technology
Course Outcomes of Master in Botany

Sr. No.	Course Outcome
1	When you complete this class you should be able to: 1. Discuss the importance of fungi in various ecological roles 2. Demonstrate an understanding of how fungi impact human affairs 3. Outline the higher taxonomy of the fungi and how the fungi relate to other organisms 4. Discuss the characteristics of the major classes and orders within the fungal kingdom 5. Identify the major families and certain species of mushrooms and other macro fungi 6. Demonstrate a working knowledge of how fungi grow and reproduce, and where and how they can be isolated
2	1) To know the structural, physiological, genetic, and growth characteristics of fungi. 2) To understand the principles and schemes used to classify fungi. 3) To appreciate the beneficial roles fungi play in biotechnology, food production, and the environment, as well as the negative impact of certain fungi on humans. 4) To learn the basic techniques used to collect, grow, observe, and identify fungi.
3	This course will help to enhance the cognitive skills , analytical and professional skills of the students
4	The course will help in troubleshooting and problem solving The students shall acquire the practical skills for the cultivation of fungi and shall be able to carry out purification and identification.
5	Upon successful completion of this course The student will be able to: • Identify

	<p>the distribution of fungi in nature. • List the positive and the negative roles of fungi in life. • Discuss the systematic classification of fungi. • Describe the general characters of fungi. • Recognize the characteristics of myxomycetes and their important genera. • List the different divisions related to Eumycota. • Describe Mastigomycotina and some related genera .• Compare between some genera related to Zygomycotina• List the way of classification of Ascomycotina• State the economic importance of ascomycetous fungi such as Saccharomyces, Aspergillus, Penicillium. • Summarize the way of classification of Basidiomycetes and some resembling genera</p>
6	<p>ϖ Upon successful completion of this course The student will be able to: State the economic importance of ascomycetous fungi such as Saccharomyces, Aspergillus, Penicillium. • Summarize the way of classification of Basidiomycetes and some resembling genera • Discuss the life cycles of rust and smut fungi • Summarize the characters and classification of Deuteromycotina• Label some of resembling genera in Deuteromycotina</p>
7	<p>Upon successful completion of the module a student will be able to: 1. Describe the basic structure and classification of pathogenic fungi; 2. Demonstrate knowledge and understanding of the pathogenesis of the various mycoses, their clinical manifestations, diagnosis and management; 3. Apply relevant identification techniques and skills in any laboratory settings using moulds or yeasts.</p>


 REGISTRAR
 Jayoti Vidyapeeth Women's University
 Jaipur



JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR
ESTABLISHED BY GOVERNMENT OF RAJASTHAN
UGC APPROVED | NAAC ACCREDITED

Department of Science and Technology

Course Outcomes of Master in Physics

Course Code	Course Name	Course Outcomes
UF-ED-667	Mathematical Physics	On successful completion of the course, the Students will be able to <ol style="list-style-type: none">1. Understand and apply the mathematical skills to solve quantitative problems in the study of physics.2. Apply integral transform to solve mathematical problems of interest in physics.3. Use Fourier transforms as an aid for analyzing experimental data.4. Formulate and express a physical law in terms of coordinate transforms.
UF-ED-663	Classical Mechanics	On successful completion of the course, the Students will be able to <ol style="list-style-type: none">1. Apply the Variational principles to real physical problems.2. Model mechanical systems, both in inertial and rotating frames, using Lagrange and Hamilton equations.
UF-ED-669	Quantum Mechanics	On successful completion of the course, the Students will be able to <ol style="list-style-type: none">1. Formulate and solve problems in quantum mechanics using Dirac representation.2. Grasp the concepts of spin and angular momentum, as well as their

		<p>quantization and addition rules.</p> <p>3. Solve various approximation methods applied to atomic, nuclear and solid-state physics.</p>
UF-ED-665	Electrodynamics	<p>On successful completion of the course, the Students will be able to</p> <ol style="list-style-type: none"> 1. Explain and solve advanced problems based on classical electrodynamics using Maxwell's equation. 2. Analyze s radiation systems in which the electric dipole, magnetic dipole or electric quadruple dominate. 3. Have the understanding of the covariant formulation of electrodynamics and the concept of retarded time 4. For charges undergoing acceleration.
UF-ED-666	Electronics Lab	<p>On successful completion of the course, the Students will be able to</p> <ol style="list-style-type: none"> 1. Develop confidence to handle sophisticated instruments.

COURSE OUTCOMES - 2nd SEMESTER

COURSE CODE	COURSE NAME	COURSE OUTCOMES
UF-ED-1008	Statistical Physics	<p>On successful completion of the course, the Students will be able to</p> <ol style="list-style-type: none"> 1. work out equations of state and thermodynamic potentials for elementary systems of particles; and use and develop mean field theory for first and second order phase transitions
UF-ED-676	Atomic and Molecular Physics	<p>On successful completion of the course, the Students will be able to</p> <ol style="list-style-type: none"> 1. Understand quantum behavior of atoms in external electric and magnetic fields; and become familiar with the working principle of various instruments.
UF-ED-671	Electronics Devices &	On successful completion of the course, the

	Circuits	<p>Students will be able to</p> <ol style="list-style-type: none"> 1. Understand the physics of the devices their characteristics and applications, to be able to use them in electronic circuits. 2. develop an insight into the technologies that go into an IC chip that they would be extensively using during and after the course. 3. have depth understanding would enable the students to appreciate the beauty of the subject and design amplifiers that are technically sound.
UF-ED-1009	Condensed Matter Physics	<p>On successful completion of the course, the Students will be able to</p> <ol style="list-style-type: none"> 1. Formulate basic models for electrons and lattice vibrations for describing the physics of crystalline materials; and 2. develop an understanding of relation between band structure and the electrical/optical properties of a material.
UF-ED-1010	Condensed Matter Physics Lab	<p>On successful completion of the course, the Students will be able to</p> <ol style="list-style-type: none"> 1. Develop confidence to handle sophisticated instruments. 2. Verify theoretical problem by experiments.
VAD-001	Cyber security	<ol style="list-style-type: none"> 1. The paper aims at creating awareness as to importance and role of cyber security.
UMC-001	Women Rights & Law	<ol style="list-style-type: none"> 1. The paper aims at creating awareness as to importance and role of women in society through the medium of law. It also focuses on women welfare laws.
ECA-001	Extracurricular activities	
UMC-007	Community development activities	

COURSE OUTCOMES – 3RD SEMESTER

COURSE CODE	COURSE NAME	COURSE OUTCOMES
UF-ED-680	Nuclear and Particle Physics	On successful completion of the course, the Students will be able to 1. Understanding of the structure of the nucleus, radioactive decay, nuclear reactions and the interaction of nuclear radiation with matter; and develop an insight into the building block of matter along with the fundamental interactions of nature.
UF-ED-1011	Advanced Quantum Mechanics	On successful completion of the course, the Students will be able to 1. Grasp the concepts of spin arising naturally from the Dirac equation. 2. Be familiar with various approximation methods applied to atomic, nuclear and solid-state physics.
UF-ED-1012	Laser Physics and Applications	On successful completion of the course, the Students will be able to 1. Evaluate conditions for lasing phenomenon and properties of the laser. 2. Familiar with applications of a laser for measurement of distance, holography and medical surgeries etc.
UF-ED-1013	Computational Physics	On successful completion of the course, the Students will be able to 1. Apply basics knowledge of computational physics in solving the physics problems. 2. Programme with the C++ or any other high level language. 3. Use various numerical methods in solving physics problems
UF-ED-1014	Laser Physics Lab	On successful completion of the course, the Students will be able to 1. Learn various concepts of Laser. 2. Apply their theoretical knowledge to experiments

COURSE OUTCOMES- 4TH SEMESTER

COURSE CODE	COURSE NAME	COURSE OUTCOMES
UF-ED-1015	Electronic Instrumentation	On successful completion of the course, the Students will be able to <ol style="list-style-type: none">1. Develop understanding of various experimental parameters of measurements like range, resolution, reproducibility and precision.2. Develop an insight into fundamentals of sensors / transducers, data acquisition and processing, noise minimization and control systems for automation.
UF-ED-1016	Physics of Nanomaterials	On successful completion of the course, the Students will be able to <ol style="list-style-type: none">1. Acquire knowledge of basic approaches to synthesize the inorganic nanoparticles2. Understand the physical and chemical properties of carbon nanotubes and nanostructured mesoporous materials.
UF-ED-681	Project and Dissertation	
UMC-003	Help Aid	<ol style="list-style-type: none">1. To provide the citizen responder with the knowledge and skills necessary in an emergency to help sustain life, reduce pain, and minimize the consequences of injury or sudden illness until professional medical help arrives.
ECA-001	Extracurricular activities	
UMC-007	Community development activities	


REGISTRAR
Jayoti Vidyapeeth Women's University
Jaipur



JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR
ESTABLISHED BY GOVERNMENT OF RAJASTHAN
UGC APPROVED | NAAC ACCREDITED

Department of Science and Technology

Course Outcomes of Master in Zoology

Course Code	Course Name	Course Outcomes
UF-ED-692	Biosystematics, Ecology and Biodiversity	1. On successful completion of the course, the Students will be able to The primary objective of the course is to impart appreciation for different life forms on earth and drive home the relationship between different living forms both at the genetic and the ecological level. The objective of this course to make awareness among the young students about the taxonomy of animals, their surrounding environment, the impact of climate change and its mitigation, and biodiversity
UF-ED-694	Cell Biology	: On successful completion of the course, the Students will be able to The students will: 1. Be able to understand how the cell functions as a unit of life. 2. Gain knowledge about the techniques and experiments that contributed to the understanding of molecular mechanisms of the cellular processes. 3. Be able to draw parallels between the physiological processes at the cellular and organismic levels.

UF-ED-699	Microbiology and Human Health Awareness	<p>On successful completion of the course, the Students will be able to</p> <ol style="list-style-type: none"> 1. Identify and classify different members of microbial world 2. Understand the origin and evolution of microorganisms and major microbial habitats 3. Recognize the relationship between microorganisms and disease 4. Reveal catabolic and anabolic process of micro organisms 5. Explain the basic concept of interaction of different pathogens with their corresponding hosts. 6. Understand different strategies of pathogen to overcome host immune system.
UF-ED-688	Animal Physiology and Metabolism	<ol style="list-style-type: none"> 1. After going through this course on 'Comparative Animal Physiology', the students have a good understanding of how invertebrate and vertebrate animals work and how these animals' biology is influenced by the different environments of their niches.
UF-ED-685	Animal Behaviour and Chronobiology	<p>At the completion of their Animal Behavior and Chronobiology course, students will be able to:</p> <ol style="list-style-type: none"> 1. Exhibit critical and integrative thinking skills 2. Demonstrate ability to communicate scientific information in both oral and written 3. Demonstrate knowledge of key concepts in animal behavior 4. Exhibit quantitative research skills (or demonstrate ability to perform all parts of the scientific method) 5. • Demonstrate ability to think flexibly

and apply knowledge to new problem

Course Code	Course Name	Course Outcomes
UF-ED-923	Reproductive biology and Embryology	<p>On successful completion of the course, the Students will be able to</p> <ol style="list-style-type: none">1. Developmental Biology enquires about the fundamental processes that underpin the fertilization of an egg cell and its step-by-step transformation into the fascinating complexity of a whole organism.2. students learn best by doing and by having the opportunity to put what they have learned into practice. Therefore, using various model organism as a learning tool in Developmental Biology, students will learn how a cell behaves in response to an autonomous determinant or an external signal depends on the combination of transcriptional and posttranscriptional regulators, signaling pathway components, cytoskeletal elements, and other proteins and RNAs that it has synthesized earlier: i.e., on its developmental history
UF-ED-924	Genetics and Evolutionary Biology	<p>On successful completion of the course, the Students will be able to</p> <ol style="list-style-type: none">1. Genetics and Cytogenetics course will open up several avenues for students in terms of research and employability.2. Genetics has made extensive use of model organisms, many of which will used to teach this course. By observing genetic mutations in Drosophila, students can correlate phenotype with genotype, understand genetic interaction and their molecular basis.3. • Students will be able to set hands on genetic crosses to understand recessive and dominant, segregation, pattern of inheritance and finally evaluating statistical significance by counting the progeny as statistical analysis provides crucial. Insight into many biological processes.
UF-ED-713	Genetics and	<ol style="list-style-type: none">1. It is expected that a student after completing this

Molecular Biology	Evolutionary Biology	course would have fairly good understanding of evolution of genetic material and the design of functional modules (Unit) in the whole genome settings. The student would be able to structurally and functionally annotate a gene from the genomic database. Also, they should be able to design experiments for understanding the advanced functional genomics.
UF-ED-925	Fish Biology and Toxicology	On successful completion of the course, the Students will be able to <ol style="list-style-type: none"> 1. Students will learn the identification of fishes using classical morphological method as well as advanced molecular tools (viz. barcoding). 2. The students having this course will study various types of insecticides and understand their mode of action to kill/control the insects. Also, the students will learn about novel categories of insecticides that may be compatible with other control strategies 3. The students will come to know about many biorational insecticides and other ecofriendly methods for insect pest control, that may be combined to develop an appropriate IPM which has promising future perspectives
UF-ED-926	Entomology and Applied Zoology	<ol style="list-style-type: none"> 1. Following completion of this course, they would acknowledge the value and importance of insects and the students would be able to sight identify most of the 29 orders of insects. They will also know the basic biology and the significant identification characters of the insects belonging to each of the 29 orders.
UMC-001	Women Rights & Law	<ol style="list-style-type: none"> 1. The paper aims at creating awareness as to importance and role of women in society through the medium of law. It also focuses on women welfare laws.
VAD-001	Cyber Security	<ol style="list-style-type: none"> 1. The objective of this paper is to develop student's familiarity with the basic concept and tools in quantitative techniques. These techniques assist specially in resolving complex problems serve as a

		valuable guide to the decision makers
UMC-007	Community Development Activities	
ECA-001	Extra curriculum activities	

Course Code	Course Name	Course Outcomes
UF-ED-927	Endocrinology & Neurology	1. On successful completion of the course, the Students will be able to This course will help in advancing our knowledge on endocrine pathology employing molecular tools and techniques. Further, Comparative Endocrine Physiology course will equip the students to know how residue of pharmaceuticals, estrogenic compounds coming from indiscriminate use of polythene and other pollutants present in aquatic/terrestrial system are severely affecting the hormone secretion and thereby, terrestrial and aquatic biomes.
UF-ED-696	Immunology	On successful completion of the course, the Students will be able to 1. The students will be able to identify the cellular and molecular basis of immune responsiveness and understand how the innate and adaptive immune responses coordinate to fight invading pathogens. 2. Understand the immunomodulatory strategies essential for generating or suppressing immune responses as required in hypersensitivity reactions, transplantation, autoimmune diseases and cancer
UF-ED-928	Cancer & Radiation Biology	On successful completion of the course, the Students will be able to 1. Learn the basic genetic, molecular and biochemical principles of cancer diseases which certainly lead to develop their research projects. 2. Know the fundamental differences between non-cancerous and cancerous cells. 3. Acquire the biochemistry and biology of cancer incidence, development, progression, and cancer metastasis.
UF-ED-929	Biochemistry	1. Upon completion of this course students will be

		<p>able to understand the structural characteristics and functional role of the macromolecules (Carbohydrates, Proteins, Lipids and Enzymes) and their significance in a biological system.</p> <ol style="list-style-type: none"> 2 Knowledge about the biocatalysts will enable the students to understand the significance of enzymatic reactions and how they can influence the metabolic processes. 3 Students will be able to correlate the physiological significance of these molecules in order to maintain homeostasis in an organism.
--	--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

UF-ED-725	Parasitology	<p>On successful completion of the course, the Students will be able to</p> <ol style="list-style-type: none"> 1. Understand the biology behind host-parasite interactions Learn about epidemiological concepts of parasitic infections of global importance 2. Trained to diagnose, identify and detect some important parasites Learn pathological changes associated with parasite infections 3. Discuss the role of vectors and intermediate hosts in parasite transmission
-----------	--------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Course code	Course name	Course Outcomes
UF-ED-931	Biostatistics, Computational Biology and Bioinformatics	<ol style="list-style-type: none"> 1. On successful completion of the course, the Students will be able to Students studying this course will be able to perform the data analysis using the statistical tools available on any computer such as excel as well the programs for big and complex data. They will be able to handle high throughput proteomic and genetic data. They will be able to understand the maintenance of computers, server and big data files.
UF-ED-930	Bioinstrumentation	<ol style="list-style-type: none"> 1. On successful completion of the course, the Students will be able to Student will get acquired with common laboratory techniques and can comfortably handle the instruments. Biotechniques are in high demand in academics, research and industry and play prominent role in biomedical and clinical research.

UF-ED-727	Dissertation	
UMC-003	Help Aid	
UMC-007	Community Development Activities	
ECA-001	Extra curriculum activities	

Hemraj

REGISTRAR

Jayoti Vidyapeeth Women's University,
Jaipur



JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR

ESTABLISHED BY GOVERNMENT OF RAJASTHAN

UGC APPROVED | NAAC ACCREDITED

Department of food & Biotechnology

Course Outcomes of Master in Food Science & Technology

Course Code	Course Name	Course Outcomes
UF-BT-356	Advances in Post Harvest Technology of Fruits, Vegetables and Plantation Crops	The objective of this course is to 1. Gain knowledge on different pre-processing operations involved before processing of fruits and vegetables. 2. Develop an understanding on various post-harvest disorders and diseases of fruits, minimizing the losses by suitable packaging and minimal processing operations
UF-BT-357	Advances in Post Harvest Technology of Fruits, Vegetables and Plantation Crops lab	1. Student will learn basics of all related streams of Post Harvest Technology practical approaches such as Studies on morphological features, pre-cooling and types of storage, browning and various pigments, estimation of chemical additives and Adulteration etc.
UF-BT-191	Food Safety & Quality Assurance	The Course Outcome of this course is to 1. Understand various areas of Food Safety & Quality Assurance. 2. Grasp knowledge of the quality assessments of food products
UF-BT-192	Food Safety & Quality Assurance Lab	1. Student will learn basics of all related streams of Food Safety & Quality Assurance practical approaches such as water activity, Extraction of pigments, sensitivity tests, Sensory evaluation, thermal properties of food samples and Detection of adulteration etc.
UF-BT-185	Advances in Food Analysis	The Course Outcome of this course is 1. To develop an understanding and methodologies of

		<p>instrumental techniques in food analysis.</p> <p>2. To understand the mechanisms and principle behind various analytical techniques.</p>
UF-BT-186	Advances in Food Analysis Lab	<p>1. Student will learn basics of all related streams of Food Analysis practical approaches such as titratable acidity, UV-Visible Spectro-photometric analysis, thin layer chromatography (TLC), Microstructural and partical size analysis and Extraction of different types of proteins and DNA etc.</p>
UF-BT-189	Food Microbiology	<p>The Course Outcome of this course is</p> <p>1. To know the important genera of microorganisms associated with food and their characteristics.</p> <p>2. To comprehend the role of the microorganisms in spoilage of foods and methods of their control.</p>
UF-BT-190	Food Microbiology Lab	<p>1. Student will learn basics of all related streams of Food Analysis practical approaches such as Determination of microbial counts, Detection of pathogen/ toxins and antibiotic, thermal resistance of enzymes and microorganisms etc.</p>
UF-BT-183	Statistical Methods	<p>The Course Outcome of this course is</p> <p>1. Understand the role of statistics and computer applications to conduct research studies.</p> <p>2. Apply statistical techniques to research data for analyzing.</p> <p>3. Interpreting the data meaningfully and differentiate between the qualitative and quantitative methods of analysis of data.</p>
UF-BT-184	Statistical Methods Lab	<p>1. Student will learn basics of all related streams of Statistical methods such as calculations of mean, mode and median with various examples etc.</p>
UF-BT-195	Food Nutrition	<p>The Course Outcome of this course is</p> <p>1. Better understanding on the physiological and metabolic functions of nutrients.</p> <p>2. Gain in-depth knowledge of the physiological and metabolic role of macronutrients, and their importance in human nutrition. Student will be skilled in this course for Fruits and Vegetable dehydration Techniques</p>
SEC-001	Hands on	<p>1. Student will learn about handling the dehydration</p>

	Training Courses on-Fruits and Vegetable dehydration techniques	machines and Unit; standardization of the process of dehydration; maintenance of hygiene and sanitization of plant; Documentation of Products
SEC-008	Hands on Training Courses on-Fruits and Vegetable dehydration techniques Lab	

Course Code	Course Name	Course Outcomes
UF-BT-196	Advances in Cereal Science & Technology	Student will learn about 1. Comprehend the recent advancement in the major cereal grains quality and processing aspects. 2. Grasp the basic and advanced milling methods for wheat, rice, maize.
UF-BT-197	Advances in Cereal Science & Technology Lab	1. Student will learn basics of all related streams of Cereal Science & Technology practical approaches such as Grading of wheat varieties, quality assessment of wheat gluten, parameters of yeast growth, quality assessment of bakery etc
UF-BT-358	New Food Product Development	The Course Outcome of this course is 1. Understand the essential principles, theories, processes and techniques that are applicable to food product development. 2. Appraise food regulations, food sensory evaluation and statistical analysis in food product development.
UF-BT-359	New Food Product Development Lab	1. Student will learn basics of all related streams of New Food Product Development practical approaches such as Market and literature survey, Screening of product concept, Development of prototype product, Proximate Analysis, Packaging, and shelf-life etc.
UF-BT-202	Novel Food Packaging	The Course Outcome of this course is 1. Grasp advance knowledge on the properties and production of various packaging materials and effect

		<p>of various indicators used in supply chain management to indicate the food quality</p> <p>2. 2. Understand various types of scavengers and emitters for improving the food shelf</p>
UF-BT-203	Novel Food Packaging Lab	1. Student will learn basics of all related streams of Novel Food Packaging methods such as Vacuum packaging, form-fill- seal packaging, edible coatings, different packages for fragile foods, shelf life of food under different packaging etc.
UF-BT-360	Food Processing and Preservation	<p>The Course Outcome of this course is</p> <p>1. Understand about various processing and preservation techniques.</p> <p>2. Comprehend the technologies used in effect preservation.</p>
UF-BT-198	Food Chemistry	<p>The Course Outcome of this course is</p> <p>1. To understand the chemistry of foods - composition of food, role of each component and their interaction.</p> <p>2. To understand the general chemical structures of the major components of foods (water, proteins, carbohydrates, and lipids).</p>
UF-BT-199	Food Chemistry Lab	1. Student will learn basics of all related streams of Food Chemistry methods such as Determination of Protein, Fat, Total ash, Carbohydrates, Crude fiber, Minerals, Acidity etc.
SEC-002	Hands on Training Courses-Quality Analysis of Food Products	1. Student will be skilled in this course for Quality Analysis of Food Products. Student will learn about handling all essential Techniques related to quality analysis of various food products.
SEC-009	Hands on Training Courses-Quality Analysis of Food Products Lab	
VAD-001	Cyber security	1. The paper aims at creating awareness as to importance and role of cyber security
UMC-001	Women Rights & Law	1. The paper aims at creating awareness as to importance and role of women in society through the medium of law. It also focuses on women welfare laws.
ECA-001	Extracurricular	

	activities	
UMC-007	Community development activities	

Course Code	Course Name	Course Outcomes
UF-BT-207	Advanced Milk And Milk Products Technology	<ol style="list-style-type: none"> 1. Understand the processes related to storage, processing and distribution of milk and milk Products. 2. Perceive the different properties of milk and milk products.
UF-BT-208	Advanced Milk And Milk Products Technology Lab	<ol style="list-style-type: none"> 1. Student will learn basics of all related streams of Milk And Milk Products Technology practical approaches such as SNF , moisture & fat content, Preparation of ice cream, fat by garber method and Detection of adulterants etc.
UF-BT-210	Food Process Engineering	<p>The Course Outcome of this course is</p> <ol style="list-style-type: none"> 1. To Emphasis the various properties of the raw material used in food processing. 2. Understand engineering properties of foods, their significance in equipment design.
UF-BT-211	Food Process Engineering Lab	<ol style="list-style-type: none"> 1. Student will learn basics of all related streams of Food Process Engineering practical approaches such as Viscosity, Reynolds number, Pressure drop, dehydration technique etc.
UF-BT-214	Nutraceuticals and Functional Foods	<p>The Course Outcome of this course is</p> <ol style="list-style-type: none"> 1. Acquire knowledge on various bio molecules showing health benefits. 2. Identify various aspects about safety, quality and toxicology of food products including, nutraceutical and functional foods.
UF-BT-206	Advanced Meat, Fish, Poultry and Egg Technology	<p>The Course Outcome of this course is</p> <ol style="list-style-type: none"> 1. Understand the technology for raw material characteristics, handling, processing, and preservation. 2. Grasp by-product utilization of meat, poultry, fish and egg products
UF-BT-200	Food Additives and Contaminants	<p>The Course Outcome of this course is</p> <ol style="list-style-type: none"> 1. Understand the role of food additives in manufacturing of food products. 2. Have the knowledge regarding permissible additives and their limits in the processed food.
UF-BT-201	Food Additives	<ol style="list-style-type: none"> 1. Student will learn basics of all related streams of

	and Contaminants Lab	Cereal Science & Technology practical approaches such as Grading of wheat varieties, quality assessment of wheat gluten, parameters of yeast growth, quality assessment of bakery etc
SEC-003	Hands on Training Courses- Bakery Products	1. Student will be skilled in this course for Bakery Products preparation Techniques Student will learn about handling the Bakery machines and Unit; standardization of the process of Bakery Products preparation; maintenance of hygiene and sanitization of plant; Documentation of Products.
SEC-010	Hands on Training Courses- Bakery Products Lab	

Course Code	Course Name	Course Outcomes
UF-BT-245	Dissertation	
UF-BT-209	Food Plant Layout and Management	The objective of this course is to 1. Gain knowledge to design and setting up of new food processing plant. 2. (2) Understanding implementation of the food safety standards in food industries
UF-BT-215	Research Methodology	
UMC-003	Help Aid	
ECA-001	Extracurricular activities	
UMC-007	Community development activities	


REGISTRAR
 Jayuli Vidyapeeth Women's University
 Jaipur



JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR
ESTABLISHED BY GOVERNMENT OF RAJASTHAN
UGC APPROVED | NAAC ACCREDITED

DEPARTMENT OF FOOD & BIOTECHNOLOGY
Course Outcomes of Master in Bio Chemistry

Sr. No.	Course Outcome
1	Pharmaceuticals and Drug Testing: Analyzing drug formulations and ensuring their quality.
2	Environmental Monitoring: Detecting and quantifying pollutants in air, water, and soil.
3	Forensic Science: Assisting in criminal investigations through chemical analysis.
4	Food Safety: Ensuring the safety and quality of food products.
5	Materials Science: Characterizing materials for various industries, including electronics and nanotechnology.
6	Biotechnology: Supporting research in biopharmaceuticals and genetic engineering.
7	Clinical Chemistry: Developing diagnostic tests for medical laboratories.
8	Chemical Engineering: Optimizing chemical processes in industries such as petroleum and petrochemicals.
9	Nanotechnology: Analyzing nano materials for applications in electronics, medicine, and more.
10	Data Analysis and Computational Chemistry: Using software and algorithms to analyze complex chemical data.

Hemant

REGISTRAR

Jayoti Vidyapeeth Women's University
Jaipur



“करो बचाओ, करो पढ़ाओ”

JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR
Faculty of Education & Methodology

Teacher Name & Designation : **JV'n Moin Khan, Assistant Professor**
Department Name : **DEPARTMENT OF FOOD & BIOTECHNOLOGY**
Program Name : **M.Sc. BIOTECH.**
Semester : **3rd SEM**
Course/Subject Name : **ANIMAL BIOTECHNOLOGY**

Sr. No.	Course Outcome
1	Genetic Engineering: Manipulating animal genetics for improved traits, disease resistance, and production efficiency.
2	Biopharmaceuticals: Developing biologics and vaccines using animal cell cultures.
3	Transgenic Animals: Creating genetically modified animals for medical research and bio production.
4	Stem Cell Research: Using animal stem cells for regenerative medicine and disease modeling.
5	Reproductive Technologies: Advancing assisted reproduction techniques for livestock and endangered species.
6	Disease Diagnosis: Developing diagnostic tools for animal diseases.
7	Animal Cloning: Cloning valuable animals for agriculture and research purposes.
8	Environmental Conservation: Using biotechnology to conserve endangered species and ecosystems.
9	Aquaculture: Improving the breeding and health of aquatic organisms for

	sustainable seafood production.
10	Bioethics and Regulation: Addressing ethical concerns and regulatory frameworks in animal biotechnology.

Sr. No.	Course Outcome
1	Genomics: Analyzing and interpreting large-scale genomic data.
2	Drug Discovery: Identifying potential drug targets and predicting drug interactions.
3	Phylogenetics: Reconstructing evolutionary relationships among species.
4	Clinical Genomics: Personalizing medical treatments based on genetic information.
5	Structural Biology: Predicting protein structures and interactions.
6	Metagenomics: Studying complex microbial communities.
7	Cancer Genomics: Identifying genetic factors in cancer development.
8	Biological Databases: Managing and curating biological data.
9	Precision Medicine: Tailoring healthcare based on individual genetic profiles.
10	Machine Learning and AI: Developing algorithms for biological data analysis and prediction.

Sr. No.	Course Outcome
1	Regenerative Medicine: Harnessing developmental processes for tissue engineering and organ regeneration.
2	Stem Cell Biology: Understanding stem cell differentiation and potential therapeutic applications.
3	Cancer Research: Studying the molecular mechanisms of cancer development and treatment.
4	Genetic Disorders: Investigating the causes and treatments of genetic diseases.

5	Evolutionary Biology: Exploring the evolutionary origins of developmental processes.
6	Neuroscience: Understanding brain development and neuro developmental disorders.
7	Pharmaceutical Development: Developing drugs that target specific developmental pathways.
8	Reproductive Medicine: Advancing assisted reproductive technologies.
9	Agriculture: Improving crop yield and quality through plant developmental research.
10	Environmental Science: Studying the impact of environmental factors on development and ecology.

Sr. No.	Course Outcome
1	Genomic Medicine: Applying molecular techniques to diagnose and treat genetic diseases.
2	Biotechnology: Developing genetically modified organisms, vaccines, and biopharmaceuticals.
3	Cancer Research: Investigating the molecular basis of cancer and developing targeted therapies.
4	Genetic Engineering: Manipulating genes for various applications, including agriculture and medicine.
5	Virology: Studying viruses and developing antiviral therapies.
6	Structural Biology: Analyzing the 3D structures of biomolecules to understand their functions.
7	Personalized Medicine: Tailoring medical treatments to an individual's genetic profile.
8	Environmental Science: Studying microbial communities and their impact on ecosystems.
9	Biological Research Tools: Developing advanced tools and techniques for

	molecular studies.
10	Synthetic Biology: Designing and constructing novel biological systems for specific purposes.

Sr. No.	Course Outcome
1	• Bio processing: Producing bio fuels, bio plastics, and bio pharmaceuticals through fermentation.
2	• Food and Beverage Industry: Fermenting products such as beer, wine, yogurt, and cheese.
3	• Enzyme Production: Generating enzymes for various industrial applications.
4	• Agriculture: Developing microbial agents for soil improvement and crop protection.
5	• Wastewater Treatment: Using fermentation to treat organic pollutants in water.
6	• Bioenergy: Producing biofuels like ethanol and biogas for sustainable energy sources.
7	• Pharmaceuticals: Manufacturing antibiotics, vitamins, and other pharmaceuticals.
8	• Environmental Remediation: Using microbes to clean up contaminated sites.
9	• Biotechnology: Supporting biotech research and product development.
10	• Probiotics: Developing beneficial microorganisms for health and nutrition

Sr. No.	Course Outcome
1	Biopharmaceuticals: Developing biologics, monoclonal antibodies, and vaccines.
2	Drug Discovery: Utilizing biotechnology for target identification and drug development.
3	Gene Therapy: Developing gene-based treatments for genetic disorders and diseases.
4	Clinical Trials: Conducting trials for novel biopharmaceuticals and personalized medicine.
5	Quality Control: Ensuring the safety and efficacy of pharmaceutical products.
6	Regulatory Affairs: Navigating complex regulations governing biopharmaceuticals.
7	Bio processing: Optimizing the production of biologics through fermentation and cell culture.
8	Drug Delivery Systems: Developing innovative drug delivery methods.
9	Personalized Medicine: Tailoring treatments to individual patient genetics.
10	Rare Diseases: Addressing the unmet medical needs of patients with rare diseases.



REGISTRAR

Jayoti Vidyapeeth Women's University
Jaipur



Jayoti Vidyapeeth Women's University, Jaipur

Department of Science & Technology

Program Name: M.Sc_Chemistry

By the end of the course, the students will be able to:

Sr. No.	Course Outcome
1	Know about the factors affecting reaction rate, rate constant, Arrhenius equation, activation energy, and its experimental determination, and simple collision theory-mechanism of bimolecular reaction.
2	Understand the types of reactions; Parallel, consecutive, and reversible reactions, and their rate equations.
3	Learn various theories to understand the kinetics of complex reactions; Lindemann's theory, Hinshelwood's theory, Rice Ramopereger, and RKKM theory for unimolecular reaction.
4	Explain the surface phenomenon; type of adsorption; physical and chemical adsorptions, Kelvin equation, adsorption theory; BET, and Gibbs Isotherms, Critical micellar concentration (CMC) and their applications in daily life situations.
5	Know about the polymer classifications, Kinetics and Mechanism of polymerization (Chain reaction and step growth), Number and Mass average molecular mass, and Mass determination methods: Osmometry, diffusion, and light scattering methods.

Sr.No.	Course Outcome
1	Know about naturally occurring compounds; terpenes, terpenoids, and carotenoids and their application in day-to-day activities, general methods of structure determination, and their stereochemistry.
2	Get familiar with the structure and synthesis of hemoglobin and chlorophyll.
3	Have an understanding of the occurrence, nomenclature, basic skeleton, stereochemistry, and isolation methods of steroids.
4	Understand the fundamental principles of heterocyclic chemistry, their importance in daily life, laboratory methods for heterocyclic ring synthesis, and their stereochemical aspects.
5	Get familiar with structures, different systems of nomenclature, preparation methods, reactions, and properties of the major classes of heterocyclic compounds heterocycles.

Sr.No.	Course Outcome
1	Learn the basic mechanism of oxidation in organic molecules having different functional groups; alkenes, alcohols, aldehydes, ketones, amines, ketals, and carboxylic acids.
2	Learn the reduction mechanism of organic compounds bearing functional groups; alcohols, aldehydes, ketones, amines, ketals, and carboxylic acids.
3	Functionality and stereochemistry of various oxidizing and reducing reagents.
4	Explain the surface phenomenon; type of adsorption; physical and chemical adsorptions, Kelvin equation, adsorption theory; BET, and Gibbs Isotherms, Critical micellar concentration (CMC) and their applications in daily life situations.
5	Understand the mechanism and applications of rearrangement reactions; Wagner-Meerwein, Favorskii, Neber, Beckmann, Hoffmann, Curtius, Lossen, and Baeyer-Villiger, Wittig, Fritsch-Buttenberg-Wiechell, Stevens rearrangement.

Hemmi

REGISTRAR

Jayoti Vidyapeeth Women's University
Jaipur



JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR

ESTABLISHED BY GOVERNMENT OF RAJASTHAN

UGC APPROVED | NAAC ACCREDITED

DEPARTMENT OF SCIENCE & TECHNOLOGY

Course Outcomes of Master in Computer Application

Course Code	Course Name	Course Outcomes
UF-CS-236	Java Programming With GUI	<ol style="list-style-type: none">1. Develop an understanding of the subject.2. Understanding the concepts of about Java Programming With GUI.3. Understanding the practical aspects of about Java Programming With GUI.4. Demonstrate the skills of basic of about Java Programming With GUI.
UF-CS-061	Data Ware Housing and Data Mining	<ol style="list-style-type: none">1. Develop an understanding of the subject.2. Understanding the concepts of Data Mining & Warehousing.3. Understanding the practical aspects of Data Mining & Warehousing.4. Demonstrate the skills of basic of Data Mining & Warehousing.
UF-CS-237	Cognitive Psychology	<ol style="list-style-type: none">1. Develop an understanding of the subject.2. Understanding the

		<p>concepts of Cognitive Psychology.</p> <ol style="list-style-type: none"> Understanding the practical aspects of Cognitive Psychology. Demonstrate the skills of basic of Cognitive Psychology.
UF-CS-242	Digital Electronics Lab	<ol style="list-style-type: none"> Develop an understanding of the subject. Understanding the concepts of Digital Systems. Understanding the practical aspects of Digital Systems. Demonstrate the skills of basic of Digital Systems.
UF-CS-243	Multimedia and Animation Lab	<ol style="list-style-type: none"> Develop an understanding of the subject. Understanding the concepts of about Multimedia and Animation. Understanding the practical aspects of about Multimedia and Animation. Demonstrate the skills of basic of about Multimedia and Animation.
UF-CS-240	Java Programming With GUI Lab	<ol style="list-style-type: none"> Develop an understanding of the subject. Understanding the concepts of about Java Programming With GUI. Understanding the practical aspects of about Java Programming With GUI. Demonstrate the skills of basic of about Java

		Programming With GUI.
UF-CS-241	Data Ware Housing and Data Mining Lab	<ol style="list-style-type: none"> 1. Develop an understanding of the subject. 2. Understanding the concepts of Data Mining & Warehousing. 3. Understanding the practical aspects of Data Mining & Warehousing. 4. Demonstrate the skills of basic of Data Mining & Warehousing.
UF-CS-242	Digital Electronics Lab	<ol style="list-style-type: none"> 1. Develop an understanding of the subject. 2. Understanding the concepts of Digital Systems. 3. Understanding the practical aspects of Digital Systems. 4. Demonstrate the skills of basic of Digital Systems.
UF-CS-243	Multimedia and Animation Lab	<ol style="list-style-type: none"> 1. Develop an understanding of the subject. 2. Understanding the concepts of about Multimedia and Animation. 3. Understanding the practical aspects of about Multimedia and Animation. 4. Demonstrate the skills of basic of about Multimedia and Animation.
UF-CS-076	Advance Database Management System	<ol style="list-style-type: none"> 1. Develop an understanding of the subject. 2. Understanding the concepts of about Advance Database Management System. 3. Understanding the

		<p>practical aspects of about Advance Database Management System.</p> <p>4. Demonstrate the skills of basic of about Advance Database Management System.</p>
UF-CS-087	Artificial Intelligence & Applications	<ol style="list-style-type: none"> 1. Understand the basics of the theory and practice of Artificial Intelligence as a discipline and about intelligent agents. 2. Understand search techniques and gaming theory. 3. The student will learn to apply knowledge representation techniques and problem solving strategies to common AI applications. 4. Student should be aware of techniques used for classification and clustering.
UF-CS-084	Network Programming	<ol style="list-style-type: none"> 1. Develop an understanding of the subject. 2. Understanding the concepts of about Network programming. 3. Understanding the practical aspects of about Network programming. 4. Demonstrate the skills of basic of about Network programming.
UF-CS-089	Microprocessor	<ol style="list-style-type: none"> 1. Develop an understanding of the subject. 2. Understanding the concepts of about Microprocessor. 3. Understanding the

		<p>practical aspects of about Microprocessor.</p> <p>4. Demonstrate the skills of basic of about Microprocessor.</p>
UF-CS-086	Web Intelligence, HADOOP AND Big Data Analysis Lab	<p>1. Develop an understanding of the subject.</p> <p>2. Understanding the concepts of about WEB INTELLIGENCE, HADOOP AND BIG DATAANALYSIS.</p> <p>3. Understanding the practical aspects of about WEB INTELLIGENCE, HADOOP AND BIG DATA ANALYSIS.</p> <p>4. Demonstrate the skills of basic of about WEB INTELLIGENCE, HADOOP AND BIG DATA ANALYSIS.</p>
UF-CS-081	Women Rights & Law	<p>1. Develop an understanding of the subject.</p> <p>2. Understanding the concepts of about Cyber Security.</p> <p>3. Understanding the practical aspects of Cyber Security.</p> <p>4. Demonstrate the skills of basic of about Cyber Security.</p>
UF-CS-093	Cryptography & Network Security	<p>1. Analyze and design classical encryption techniques and block ciphers.</p> <p>2. Understand and analyze data encryption standard.</p> <p>3. Understand and analyze public-key cryptography, RSA and other public-key cryptosystems.</p>
UF-CS-095	Computer	<p>1. Understands the core</p>

	Graphics	<p>concepts and mathematical foundations of computer graphics.</p> <ol style="list-style-type: none"> 2. Knows fundamental computer graphics algorithms and data structures. 3. Has an overview of different modelling approaches and methods. 4. Understands light interaction with 3D scenes.
UF-CS-091	Advanced Web Technologies	<ol style="list-style-type: none"> 1. Develop an understanding of the subject. 2. Understanding the concepts of about Advanced Web Technologies. 3. Understanding the practical aspects of about Advanced Web Technologies. 4. Demonstrate the skills of basic of about Advanced Web Technologies.
UF-CS-094	Cloud Computing	<ol style="list-style-type: none"> 1. Describe architecture and underlying principles of cloud computing. 2. Explain need, types and tools of Virtualization for cloud. 3. Describe Services Oriented Architecture and various types of cloud services. 4. Explain Inter cloud resources management cloud storage services and their providers Assess security services and standards for cloud computing.

		5. Analyze advanced cloud technologies.
UF-CS-244	Big Data	<ol style="list-style-type: none"> 1. Analysis of the design of arithmetic & logic unit and understanding of the fixed point and floating-point arithmetic operations. 2. Implementation of control unit techniques and the concept of Pipelining. 3. Understanding the hierarchical memory system, cache memories and virtual memory. 4. Understanding the different ways of communicating with I/O devices and standard I/O interfaces.
UF-CS-092	Organizational Behaviour	<ol style="list-style-type: none"> 1. Understand and analyze the individual needs, feelings, aspirations. 2. Develop skills needed to plan for the implementation of change in an organization.
UF-CS-096	Computer Graphics Lab	<ol style="list-style-type: none"> 1. Develop an understanding of the subject. 2. Understanding the concepts of about Computer Graphics. 3. Understanding the practical aspects of about Computer Graphics. 4. Demonstrate the skills of basic of about Computer Graphics.
UF-CS-090	Advanced Web Technologies Lab	<ol style="list-style-type: none"> 1. Develop an understanding of the subject. 2. Understanding the concepts of about Advanced Web

		<p>Technologies.</p> <p>3. Understanding the practical aspects of about Advanced Web Technologies.</p> <p>4. Demonstrate the skills of basic of about Advanced Web Technologies.</p>
UF-CS-245	Introduction to DataScience	<p>1. Develop an understanding of the subject.</p> <p>2. Understanding the concepts of about Introduction to Data Science.</p> <p>3. Understanding the practical aspects of about Introduction to Data Science.</p> <p>4. Demonstrate the skills of basic of about Introduction to Data Science.</p>
UF-CS-246	Neural Network	<p>1. Develop an understanding of the subject.</p> <p>2. Understanding the concepts of about Neural Networks.</p> <p>3. Understanding the practical aspects of about Neural Networks.</p> <p>4. Demonstrate the skills of basic of about Neural Networks.</p>

Hemmi

REGISTRAR

Jayoti Vidyapeeth Women's University
Jaipur



JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR

ESTABLISHED BY GOVERNMENT OF RAJASTHAN

UGC APPROVED | NAAC ACCREDITED

Directorate of Research & Development

Doctor of Philosophy (Ph.D.) (Program Code 502)

Course Outcomes Ist Sem (Course Work)

Course Code	Course Name	Course Outcomes
D/101	Research Methodology	<ol style="list-style-type: none">1. Demonstrate the ability to choose methods appropriate to research aims and objectives.2. Understand the limitations of particular research methods.3. Develop skills in qualitative and quantitative data analysis and presentation.4. Develop advanced critical thinking skills.
D/102	Computer Applications	<ol style="list-style-type: none">1. Understand the basic terminology2. Analyze the basic software/ hardware problems3. Implementation of research tools for data analysis4. Develop the skills for report writing using Software5. Develop Presentation skills
D/103	Advanced Computer Applications	<ol style="list-style-type: none">1. Analyze a given problem and develop an algorithm to solve the problem2. Improve upon a solution to a problem3. Use the 'C' language constructs in the right way

		<ol style="list-style-type: none"> 4. Design, develop and test programs written in 'C'
D/104	Quantitative & Statistical Techniques	<ol style="list-style-type: none"> 1. Develop critical thinking and use of statistical techniques to improve decision making. 2. Identify different types of decision-making environments and choose the appropriate decision making approaches for each. 3. Identify the test to apply for data analysis 4. Data analysis for effective decision making
D/105	Dissertation on Review of literature	<ol style="list-style-type: none"> 1. Acquire a familiarity with the contemporary research literature relating to the research topic 2. Demonstrate the ability to critically evaluate the literature. 3. Acquire a critical understanding of important issues relating to their research work. 4. To search for and access information in multiple formats and use found sources to mine for additional sources
D/106	Research & Publication Ethics	<ol style="list-style-type: none"> 1. To understand the philosophy of science and ethics 2. To understand research integrity and publication ethics. 3. To identify research misconduct and predatory publications. 4. Develop hands-on skills to identify research misconduct and predatory publications. 5. Differentiate indexing and citation databases, open access publication and research metrics 6. Use plagiarism tools

M.A. Public Administration – I,II,III & IV Semesters

Code	Course Name	Course Outcomes
M.A.Public Administration – I Semester		
PPAT11	Introduction to Public Administration	<p>CO1:New Public Administration and New Public Management</p> <p>CO2:Govern in collaboration with other leaders, employees, volunteers, and the public.</p> <p>CO3:strategic plans to promote organizational effectiveness and minimize risk.</p> <p>CO4:organizational needs and decisions effectively in written and oral forms.</p> <p>CO5:critical thinking and problem solving skills to complex strategic</p>
PPAT12	Administrative Thinkers	<p>CO1:Contribution of Administrative Thinkers.</p> <p>CO2:The works and studies related to Administrative Thinkers</p> <p>CO3:Implementation and effects of public policies and laws.</p> <p>CO4:Various aspects and dimension of the Theories and Practice of Modern Government.</p> <p>CO5:Historical development of public <i>administration</i> and the major <i>thinkers</i>.</p>
PPAT13	International Organizations	<p>CO1:Various international conventions and treaties which are binding on the member nations .</p> <p>CO2:Analytical skills relevant to International Administration and Global Governance.</p> <p>CO3:Skills needed for both professional careers in and post-graduate research related to international administration and global governance</p> <p>CO4:Equip students with the analytical skills to assess the</p>

		international policy CO5:Complex interrelations among domestic and international governmental, intergovernmental and nongovernmental actors.
PPAT14	Comparative Public Administration	CO1:Political culture, constitutional frame work, civil service, public sector agencies , federal and local government, financing system, coordination of the system, managing the system, accountability, secrecy and openness, democracy and so on CO2:Theories, methods and types of comparative public administration research CO3:Models and traditions of public administration CO4:Public administration development and reforms CO5:Organization and functions of public administration in different countries
PPAE11	Soft Skills	CO1:Etiquettes for Public Speaking CO2:Team work, presentation and public communication CO3:Public speaking CO4:Adapt to new situations and reflect upon professional practice in order to most effectively address challenges CO5:Developing interpersonal communication skills including report writing, workplace discussions, negotiation and management strategies.

Code	Course Name	Course Outcomes
M.A.Public Administration – II Semester		
PPAT21	Public Personnel Administration	CO1:Concept and its philosophical ground to study civil service system in India. CO2:Public Personnel Administration in India CO3:Employee recruitment, Selection, Training, discipline,

		<p>development, Grievance redressal and assessment of public safety of employees.</p> <p>CO4: Personnel administration of the concerned agency</p> <p>CO5: Public safety administrators in public safety administration.</p>
PPAT22	Public Financial Administration	<p>CO1: Collection and use of qualitative and quantitative data</p> <p>CO2: Financial resources management</p> <p>CO3: Ethics and integrity in public service and reflect on ways to incorporate public service values in administering agencies, policies and programs.</p> <p>CO4: Critical issues such as helping organizations meet the ever-changing needs of the general population .</p> <p>CO5: Theory and research based works.</p>
PPAT23	Indian Administration	<p>CO1: Historical evolution and socio-economic, political, cultural and global context of Indian Administration;</p> <p>CO2: Transformative role of Indian Administration</p> <p>CO3: Multi-dimensional problems and processes of Indian Administration;</p> <p>CO4: Forms of Indian Administration</p> <p>CO5: Emerging issues in Indian Administration in the context of changing role of state and civil society</p>
PPAT24	Environmental Administration	<p>CO1: Environmental management approaches at national and international levels</p> <p>CO2: Environmental management in relation to the major principles of sustainable development like biodiversity conservation; economic sustainability etc</p> <p>CO3: Concepts and methods into real-world environmental management practices.</p> <p>CO4: Able to evaluate critical information in oral and written forms.</p>

		CO5:Environmental management analysis outputs of professional quality, both independently and within team environments
PPAE22	Gender Studies	CO1:Biologically determined and socially constructed Gender roles. CO2:Gender disparity and gender discrimination within the family, education, political and societal systems CO3:Empowerment and power relations CO4:Gender Approaches to Development. CO5:Information on central and state government initiatives towards women's studies.

Code	Course Name	Course Outcomes
M.A.Public Administration – III Semester		
PPAT31	Public Policy and Analysis	CO1:Important public policies formulated in India CO2:Ills prevailing in the society and aids to identify the solutions CO3:Basic areas of public policy CO4:Decision-making in the public sector CO5:Leading and managing policy initiatives from all levels of an organizations
PPAT32	Administrative Law	CO1:Fundamentals of the Indian legal system CO2:Constitutional principles most relevant to agency action and Public administration CO3:Administrative law as applied to nonprofit practice CO4:Develop fluency in administrative law terminology and concepts. CO5:Judicial decisions interpreting and establishing

		administrative law.
PPAT33	Local Government in India	<p>CO1:evolution of local self-government in India.</p> <p>CO2:active and responsible leadership role in the functioning of Local Government Institutions.</p> <p>CO3:Equip the youth regarding planning, implementation and monitoring of various development and welfare programmes.</p> <p>CO4:Enable the youth to participate in disaster management and sustainable development.</p> <p>CO5:strive for realising Good Governance at the Grassroots</p>
PPAT34	Research Methodology/ Internship in Public Bodies-Report Presentation	<p>CO1:Social science research in relation to Public Administration</p> <p>CO2:The strengths and weaknesses of various qualitative and quantitative approaches to measurement.</p> <p>CO3:Research skills for data processing and policy implications.</p> <p>CO4:Data interpretation and Statistical Applications</p> <p>CO5:systematic research work to novel problems</p>
PPAE33	Public Administration for Civil Services	<p>CO1:IAS Public Administration syllabus.</p> <p>CO2:Public Administration subject along with General Studies for IAS preparation.</p> <p>CO3:role of Public Services in Tamilnadu</p> <p>CO4:India's development experience and changing role of administration.</p> <p>CO5:Motivation on civil service examinations.</p>

Code	Course Name	Course Outcomes
M.A.Public Administration – IV Semester		

PPAT41	Social Welfare Administration	<p>CO1:Institutional capacity building strategies and programmes</p> <p>CO2:History of Social Welfare Administration in India</p> <p>CO3:Various aspects and dimension of the Social Welfare Administration.</p> <p>CO4:Various concepts related to social welfare</p> <p>CO5:Difference between Public administration and Social Welfare administration.</p>
PPAT42	Development Administration	<p>CO1:Underdeveloped or developing nations.</p> <p>CO2:Temperament of organized approach,soft skills and sensitivity to the values of others.</p> <p>CO3:Aware of developmental programmes.</p> <p>CO4:Approaches to Development Administration</p> <p>CO5:Development Planning in India</p>
PPAD41	Dissertation-Viva Voce	<p>CO1.To familiarize the students with the process of formulating, implementing and evaluating the projects.</p> <p>CO2.To develop skills of project formulation</p> <p>CO3.To teach the methods of analysis and evaluation of projects.</p> <p>CO4.To provide students with the opportunity to synthesise knowledge from various areas of learning, and critically and creatively apply it to real life situations</p> <p>CO5.After successful completion of this course the student will be able to understand comprehend and analyze various aspects and dimension of the field Works</p>


 REGISTRAR
 Jayoti Vidyapeeth Women's University
 Jaipur

