2.6.1

Mohamed Sathak college of Arts and Science

University of Madras Syllabus

(Choice Based Credit Grading System)

Course Outcomes (2020-2021)

PG & Research Department of Biotechnology

SEM	Course Code	Course	Course Title	Course Learning Outcomes (CLO)
I	SAC1A	Core	Cell Biology	The students will learn different areas of cellular biology including the structure and functions of cell in prokaryotic and eukaryotic.
	SAC21	Practical	Cell Biology	The course will make the student understand & develop skill and hands on training in basics of cell biology
	SBANA	Allied	Microbiology	This course will facilitate the students to gain expertise in diversity of microbial lifestyles, growth and to study the structure of animal viruses and methods involved in control of microorganisms.
	SAC21	Allied Practical	Microbiology	It's give an understand the basic techniques in microbiology
II	SAC2B	Core	Molecular Development Biology	The students will learn about cell signaling pathways, Types of cells, cancer studies and Neurogenesis.
		Practical	Molecular Development Biology	Students will learn different stage of cell cycle-Mitosis and Meiosis
	SBADE	Allied	Chemistry	The students will learn atomic structure, isotopes and to study properties of acids, liquid , gas and various types of chemical reaction and different types of organic compounds and physical-chemical properties of macromolecule.
		Practical	Chemistry	The course will learn volumetric analysis and analysis of organic compounds with their functional group
III	SAC3A	Core	Genetics	The student will be able to genetic material and Mendelian's

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				principles in genetics, chromosome structure
		Practical	Genetics	The Students will learn about identification of blood group and Mitosis and Meiosis stage of plant and animal
	SBC3A	Allied	Biochemistry	The course will learn about structure and chemical properties of macromolecules its bioenergetics signal molecule, pigments and analytical techniques
		Practical	Biochemistry	The student will gain hands on experience on estimation, qualitative and quantitative analysis of sugars and amioacids
IV	SAC4A	Core	Plant Biotechnology	Students will learn the genomic organization of plants, plant viruses, vaccine and role of plant hormones and artificial cultivation methods
		Practical	Plant Biotechnology	The student will gain hands on experience on maintain and propagation of plant tissue in artificial culture.
	SBACB	Allied	Biophysics and Biostatstics	Students will have a strong foundation in structures and organization of macro molecules and their interaction. basic and application of data analysis in biological science
V	SAC5A	Core	Animal and Medical Biotechnology	The course will learn artificial reproduction technology, disease and modern diagnosis of animal and preventive measure by types of vaccine and cloning technology
		Practical	Animal and Medical Biotechnology	The student will gain hands on experience on preparation and maintenance of animal cell in tissue culture and its analysis and preservation.
	SAC5B	Core	Bioinformatics	The students will learn the analysis of whole genomics and the structure by software package.

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	SAC5C	Core	Immunology	The student will learn the structure, types of antigen and antibody-hypersensitive action and types of vaccines
		Practical	Immunology	The student will learn about the different types of serological test like ELISA and Hypertensive reaction.
	SEC5A	Elective	Pharmaceutical Biotechnology	The course will learn about the formation of biological its delivery systems and metabolism of drugs
VI	SAC6A	Core	Genetic Engineering	The students will learn analysis and application of various tools in genetic engineering technology
		Practical	Genetic Engineering	The student will gain hands on experience on analysis of various macro molecules using different techniques
	SAC6B	Core	Bioprocess technology	The students will learn basic of fermentation technology, its types in large scale production.
		Practical	Bioprocess technology	Students will gain hands in isolation and application of industrial important microorganism .
	SEC6A	Elective	Microbial Biotechnology	The course will learn about the identification, mass cultivation and application of important microbes
	SEC6B	Elective	Environmental Biotechnology	The course will learn about the biodegradation of various pollutants in both natural and artificial conditions
MSC	MDK1A	Core	Biochemistry	The course will learn about structure and chemical properties of macromolecules its bioenergetics signal molecule, pigments and analytical techniques .
SEM I	MDK1B	Core	Molecular Genetics	Gene concept and organization and their implications. Plasmid and its types. Molecular aspects of viruses infecting bacteria and plants.
	MDK1C	Core	Molecular Cell Biology	The student would be able to comprehend the cell organelle, cell membrane .The student would be able to signal

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				transduction and its implications. The student would be able to cell cycle and its relevance.
	MDKAA	Elective	Bioinstrumentation	The student will be able to handle the equipment available and identify the suitable and appropriate experiments for their research. The student would have gained sufficient knowledge about the assays and analyzing data.
	MDKAB	Elective	Biostatistics	Understand simple calculations. How to plan and execute research designs. Analyse data, interpret, and present information. Publishing research data. Calculate; analyse and compare observed data; perform simple sums in proportions and algebraic function
SEM II	MDK2A	Core	Microbiology	The student will be able to understand microbial diversity; physiology and nutrition. The student will be able to identify microbes using modern techniques
	MDK2B	Core	Plant & Animal Biotech	Students will learn the genomic organization of plants, plant viruses, vaccine and Animal role of plant hormones and artificial cultivation methods.
	MDK2C	Core	Genetic Engineering	Comprehend the cloning principles and strategies. Analysis of the clones
	MDKAD	Elective	Tissue Engineering	To understand the significance and gain experience in using the tools of tissue engineering in human health-care. To understand the implications of tissue engineering from the subject area concepts, theory, experimental, research, drug discovery and health-care perspectives.
	MDKAE	Elective	Pharmaceutical Biotech	To understand the significance of industrial application of pharmaceutical biotechnology in human health-care. To understand the implications of

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				epidemiology from the subject area concepts, theory, experimental, research, drug discovery and health-care perspectives.
SEM III	MDK3A	Core	Bioinformatics	Get to know the public database and use them effectively Able to annotate the sequences with software tools. Have understanding of the algorithm employed and its outcome
	MDK3B	Core	Immunology	To understand the implications of human immune system functioning from the subject area concepts, theory, experimental, research and health-care perspectives.
	MDK3C	Core	Bioprocess Tech	To understand bioprocesses for industrial applications and ways in which industrial productivity can be enhanced. To gain a hands-on experience in techniques used in bioprocess technology and their applications.
	MDKAH	Elective	Nanotechnology	Apply engineering and physics concepts to the nano-scale and non-continuum domain. Identify and compare state-of-the-art nanofabrication methods and perform a critical analysis of the research literature. Design processing conditions to engineer functional nanomaterials.
	MDTBB	Elective	Environmental Biotech	The basic concepts of ecology. Microbial association and functions
SEM IV	MDK4A		Research Methodology	To understand the importance of the methodological approach to research. To acquire the required skills to approach a research project in a scientifically sound manner, from forming the hypothesis to publication of the research findings
	MDK4L		Bioethics	Explain how socioeconomic circumstances and lifestyle have an effect on human health show awareness of research ethics

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				necessary in the conduct of research and willingness to abide by the latest bioethics principles throughout their research career
	MDK4Q		Project	To understand the importance of research methodology concepts and to put them in practice while working on dissertation projects. To acquire the technical writing skills and presentation skills apart from practically utilizing all aspects of research methodology that they had learnt earlier. To be able to integrate all aspects of the research project into a dissertation of print form as can be evaluated by internal and external experts.

Course Learning Outcomes – M.Phil Biotechnology

SEM	Course Code	Course	Course Title	Course Learning Outcomes (CLO)
I	NTA	Research methodology-I	Conventional Tech	Understand the different types or formats of scientific communications. Practice and learn through case studies the right form of communication
2	NTA	Research methodology-II	Recent Techniques	Modern tools in diagnosis. The wide range of techniques used
3	Background	General biotechnology	Biotechnology	To understand the significance of biotechnology in human health-care. To understand the significance of Molecular Biology in human health-cares
4	Dissertation			Learn how to collect, read and manage research information. Plan experiments, conduct and observe results. Write and publish results effectively

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PG & Research Department of Biochemistry

Semester	Course Component	Subject	Subject Code	Objective
I	Core paper I	Nutritional Biochemistry	TAP1A	To understand the dietary patterns, nutritive value of functional foods and its importance
	Allied paper I	Chemistry I	TBTAA	To know the structural and functional details of important chemical compounds used un our daily life.
	NME	Health and Nutrition	TNP1A	To understand the relationship between the Nutrition and health in the different stages of life.
II	Core paper II	Cell Biology	TAP2A	To know the structure and functions of cell and cellular components.
	Allied paper II	Chemistry II	TBTAB	To get the basics of the chemical properties of different compounds.
	NME	Human diseases and preventive aspects	TNP2A	To understand the causes and handling of human diseases.
	Core paper III	Biochemistry Practical I	TAP21	To get hands on training in biochemical preparations
	Allied Practical	Chemistry Practical I	TBTA1	To get hands on training in qualitative analysis of organic compounds.
III	Core paper IV	Chemistry of Bio molecules I	TAP3A	To understand the structural and functional relationship of bio molecules.
	Allied paper III	Biostatistics I	SBAOH	To get the theoretical knowledge on simple mathematical calculations
		Environmental studies	ENV4A	To know the facts and issues related with our environment
IV	Core paper V	Chemistry of Bio molecules II	TAP4A	To understand the structural and functional relationship of bio molecules.
	Allied IV	Biostatistics II	SBAOJ	To get the theoretical knowledge on simple mathematical calculations used for biological samples.
	Core paper VI	Biochemistry Practical II	TAP41	To get hands on training in quantitative analysis.
	Allied Practical	Biostatistics Practical I	SBA04	To practice the mathematical calculations, statistical analysis using biological data.
V	Core paper VII	Enzymes	TAP5A	To gain knowledge about enzymes, involvement in reaction and its importance.
	Core paper VIII	Metabolism	TAP5B	To understand about biosynthetic, breaking down reactions, energy production of living organism.
	Core paper IX	Analytical Biochemistry	TAP5C	To gain theoretical knowledge in various Biochemical techniques.
	Elective I	Physiology	TEP5A	To gain knowledge about the structure and working methodology of human organ and organ system.
		Value Education	VAE5Q	To understand the human values and individual rights.
VI	Core paper X	Clinical Biochemistry	TAP6A	To understand the details and pathophysiology of metabolic disorders.

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	Core paper XI	Molecular Biology	TAP6B	To gain the knowledge on molecular processing of a cell.
	Elective II	Immunology	TEP6A	To aware about the immunity, immunochemical techniques and immune disorders.
	Elective III	Biotechnology	TEP6B	To understand the basic of principles and techniques of biotechnology
	Core paper XII	Biochemistry Practical III	TAP61	To gain hands on practical knowledge in various biochemical estimations and urine analysis
	Core paper XIII	Biochemistry Practical IV	TAP62	To gain hands on practical knowledge in enzyme assays and haematological techniques

Semester	Course Component	Subject	Subject Code	
I	Core paper I	Biomolecules	MEN1A	To understand the structural and functional relationship of bio molecules.
	Core paper II	Biochemical Techniques	MEN1B	To gain theoretical knowledge in various Biochemical techniques.
	Core paper III	Physiology and Cell Biology	MEN1C	To gain knowledge about the structure and functions of cell and cellular components and working methodology of human organ and organ system.
	Elective paper I	Microbiology	MENAA	To understand the structural and functional importance of various microorganisms in the environment.
II	Core paper IV	Enzyme and Enzyme Technology	MEN2A	To gain knowledge about enzymes, involvement in reaction and its importance.
	Core paper V	Intermediary metabolism I	MEN2B	To understand about biosynthetic, breaking down reactions, energy production of living organism.
	Core paper VI	Intermediary metabolism II	MEN2C	To understand about biosynthetic, breaking down reactions, energy production of living organism.
	Core paper VII	Practical I	MEN21	To gain hands on practical knowledge in various biochemical estimations and organelle separation techniques.
	Core paper VIII	Practical II	MEN22	To gain hands on practical knowledge in enzyme assays and kinetics of enzymes assays.
	Elective paper II	Energy and Drug Metabolism	MENAB	To understand about the energy production and drug metabolic and detoxification pathways.
	Extra Disciplinary paper I	Bioinformatics and drug design	MDPBA	To get theoretical knowledge on various computational tools used in biological data analysis.
	Internship	Summer training	PSSEQ	To get hands on practical knowledge in sample collection, sample processing, data analysis and result interpretation.
III	Core paper IX	Biotechnology	MEN3A	To understand the basic of principles and techniques of biotechnology.
	Core paper X	Clinical Biochemistry I	MEN3B	To understand the details and pathophysiology of metabolic disorders.
	Core paper XI	Molecular Biology	MEN3C	To gain the knowledge on molecular processing of a cell.

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	Elective paper III	Biostatistics	MENAC	To get the theoretical knowledge on simple mathematical calculations used for biological samples.
	Extra Disciplinary paper II	Environmental Biotechnology	MDTBB	To understand the basic of principles and techniques of biotechnology in related with the environment.
IV	Core paper XII	Hormones	MEN4A	To get knowledge on structure, biosynthesis and regulatory role of hormones.
	Core paper XIII	Clinical Biochemistry II	MEN4B	To understand the details and pathophysiology of metabolic disorders.
	Core paper XIV	Practical III	MEN41	To get hands on practical knowledge on various biochemical assays using blood and urine samples.
	Core paper XV	Project and Viva	MEN4Q	To get hands on practical knowledge in the field of research work, literature collection, project writing and result interpretation.
	Elective paper IV	Signal Transduction	MENAD	To understand the knowledge on signal transferring mechanism of cell.
	Elective paper V	Immunochemistry	MENAE	To aware about the immunity, immunochemical techniques and immune disorders.

Course Learning Outcomes – M.Phil

Semester	Course Component	Subject	Subject Code	
I	Paper I	Research Methodology	PDA	To understand the theoretical knowledge in the field of research work, literature collection, project writing and result interpretation.
	Paper II	Advanced Biochemistry	PDB	To gain theoretical knowledge in various fields of biochemistry, biochemical techniques, and its importance.
	Specialization paper III	Advanced Clinical Biochemistry	PDZ	To understand the details and pathophysiology of metabolic disorders.
		Biotechnology	PDZ	To understand the basic of principles and techniques of biotechnology.
		Cancer Biochemistry	PDZ	To understand the details of cancer causing agents, types, effects and treatment.
		Enzyme technology	PDZ	To gain knowledge about enzymes, involvement in reaction and its importance.
		Immunochemistry	PDZ	To aware about the immunity, immunochemical techniques and immune disorders.
		Clinical Toxicology	PDZ	To get the information about the toxicity and its clinical importance on toxicology.
	Project		PDQ	To get hands on practical knowledge in the field of research work, literature collection, project writing and result interpretation.

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PG & Research Department of Microbiology
BSc Microbiology
Course Learning

SEM	Course Code	Course	Course Title	Course Learning Outcomes (CLO)
I	TAN1A	Core 1	General Microbiology and Microbial Physiology	The students will become skilled at learning history of microbiology, principles of instrumentation, sterilization, culture techniques and growth conditions of microbes
	TAN21	Core II Practical 1	General Microbiology and Microbial Physiology	The course will build the student to understand & develop skills and hands on training in basic sterilization techniques, culture techniques, microscopy, handling of cultures and staining to see the morphology of eukaryotes and prokaryotes.
	TBPBA	Allied 1 Paper I	Biochemistry 1	This course will facilitate the students to gain knowledge about biochemical properties of important molecules such as carbohydrates, amino acids, proteins, lipids and nucleic acids.
	TBPB1	Allied 1 Paper II Practical	Biochemistry	It gives an understanding about volumetric and qualitative analysis of sugars and aminoacids
II	TAN2A	Core III	Immunology and Microbial Genetics	The students will gain knowledge of history and detailed concept of immunology and also the molecular concept of genes and gene transfer mechanisms

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	TAN22	Core IVPractical	Immunology and Microbial Genetics	Students will be trained in diagnosis by immune reactions analysis of lymphocytes, anaphylactic reactions and assays
	TBPBB	Allied I Paper III	Biochemistry II	The subject gives an idea about metabolic pathways, disorders, structure and functions of microbial enzymes, DNA replication, transcription and translation.
	TBPB1	Allied 1 Paper IV Practical	Biochemistry	The course elaborates qualitative analysis of important molecules such as carbohydrates, amino acids and estimation of proteins, and ascorbic acid
III	TAN3A	Core V	Molecular Biology	The student will be able to Learn about structure, synthesis and processing of DNA, RNA and proteins as well as control of gene expression
	TAN41	Core VI Practical III	Molecular Biology	The Students will be trained about estimation of genetic material following different methods and also preparation of competent cells and transformation techniques.
	TBN3A	Allied III Paper I	Bioinstrumentation	The subject gives the working principle and structure of instruments, chromatographic techniques, electrophoretic techniques and spectroscopy and radio isotopic techniques.
	TBN41	Practical III Paper II	Bioinstrumentation	The student will gain hands on experience on identification, separation and quantitative estimation of different

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				macromolecules using suitable techniques.
IV	TAN4A	Core VII	Soil and agricultural Microbiology	The subject will offer knowledge about the microbiology of soil, biogeochemical cycles, interactions of microbes, different crop infections and their remedial measures.
	TAN41	Core VIII Practical	Soil and agricultural Microbiology	The student will gain hands on training on isolation and enumeration of soil microbes, demonstration of enzymes, study of nitrogen fixing bacteria and demonstration of various bacterial diseases of plants.
	TBN4A	Allied IV Paper III	Biostatistics	Students will receive a strong foundation in statistical management of biological data through different models.
	TBN42	Allied Practical IV	Biostatistics	This course offers knowledge about common bio statistical methods such as distribution, dispersion, significance and ANOVA.
V	TAN5A	Core IX	Medical Bacteriology	Students will learn about different medically important bacteria, their classification, characteristics, pathogenicity, epidemiology, treatment and prevention.
	TAN5B	Core X	Medical Mycology and Parasitology	Students will learn about fungal classification, characteristics, pathogenicity, epidemiology, treatment and prevention of fungal diseases and other parasitic protozoans.
	TAN5C	Core XI	Medical Virology	The students will learn cultivation, classification,

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				characteristics, pathogenicity, epidemiology, treatment and prevention of all viral diseases and zoonotic diseases.
	TAN61	Core XII Practical	Medical Bacteriology, Mycology,Parasitology and Virology	This course gives a complete understanding of isolation of pathogens from various clinical specimens and their identification through biochemical characteristics.
	TEN 5A	Elective 1	Genetic engineering	This course will offer a detailed knowledge about different genetic engineering techniques including gene cloning, recombinant DNA, sequencing and vectors.
VI	TAN6A	Core XIII	Environmental Microbiology	The students will find out prevalence, growth pattern and application of microbes present in air, aquatic environments and extreme environments.
	TAN 6B	Core XIV	Food and Dairy Microbiology	The student will gain knowledge about important bacteria in food and dairy industry and about food borne diseases and control measures.
	TAN62	CoreXV Practical	Environmental, Food and Dairy Microbiology	This subject provides idea on isolation and identification of bacteria and molds from food and dairy samples, water analysis methods and quantification of microbes in air.
	TEN6A	Elective II	Industrial and pharmaceutical Microbiology	The course will delivers information about fermentation process, microbial products, downstream processing and ecology, spoilage of pharmaceutical products and

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				good pharmaceutical manufacturing process.
	TEN6B	Elective III	Biotechnology	The subject offers knowledge about the production of enzymes by microbes, strain improvement, production of pharmaceuticals, crop improvement, cell cycles and transgenic animals.

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PG & Research Department of Microbiology
MSc Microbiology
Course Learning Outcomes (CLO) 2018-2019

SEM	Course Code	Course	Course Title	Course Learning Outcomes (CLO)
I	MDT1A	Core 1	Microbial Taxonomy	The subject offers information about microbial taxonomy, detailed classification of prokaryotes and eukaryotes.
	MDT1B	Core II	General Microbiology and Laboratory Animal Science	The subject deals with the instrumentations of microbiology lab, growth kinetics, pure culture techniques, life cycle of algae, maintenance of laboratory animals and transgenic animal models.
	MDT1C	Core III	Immunology	This subject facilitates the students to gain expertise in history, immune responses, immunoglobulin study, antigen-antibody reactions and transplantation immunology.
	MDT11	Core IV Practical	General Microbiology,	The course delivers hands on training in handling instruments,

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			Physiology and Immunology	staining of microbes, pure culture techniques, diagnostic immunology by diffusion, and precipitation reactions, electrophoretic techniques
	MDTAA	Elective I	Metabolic Pathways	This course offers a detailed view of enzymes, metabolism of macromolecules and different energy pathways of bacteria.
	MDTAB	Elective II	Microbial Diversity	This course offers knowledge on diversity and classification of microbes in extreme environments, microbes present in space and Martian environments.
II	MDT2A	Core V	Virology	The subject proposes general properties of viruses, bacterial viruses, plant viruses, DNA and RNA viruses, epidemiology, diagnosis and treatment of viral diseases.
	MDT2B	CoreVI	Systematic Medical Bacteriology	The subject gives knowledge in normal microbial flora, collection and dispatch of clinical specimens, pathogenicity, diagnosis and prevention of bacterial diseases.
	MDT2C	CoreVII	Mycology and Parasitology	The subject delivers classification and life cycle of disease causing fungi and protozoan parasites.
	MDT21	Core VIII Practical	Systematic Medical Bacteriology, Mycology, Parasitology and Virology	The subject gives hands on training on processing of clinical specimens, isolation of bacteria and fungi from clinical specimens, examination of parasites.
	MDTAC	Elective III	Industrial and Pharmaceutical Microbiology	The subject delivers knowledge on different industrially important bacteria and fungi, production processes of primary and secondary metabolites.

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	MDTBA	Extra Disciplinary Elective 1	Biostatistics and Bioinformatics	This subject offers knowledge about bio statistical and bioinformatics methods and its applications.
III	MDT3A	Core IX	Microbial Genetics	This subject delivers structure and properties of DNA, gene expression concepts, plasmids and gene transfer mechanisms, mutations and molecular recombination.
	MDT3B	Core X	Genetic Engineering	This course will offer students a detailed knowledge about different genetic engineering techniques including gene cloning, recombinant DNA, sequencing and vectors.
	MDT3C	Core XI	Molecular Biology	The Students will learn about structure, functions, synthesis of DNA, RNA and proteins and their expression.
	MDT31	Core XII Practical	Microbial Genetics, Molecular Biology and Genetic Engineering	The subject delivers hands on expertise on isolation and estimation of DNA, RNA, estimation and separation of proteins and competent cell techniques.
	MDTAD	Elective IV	Soil and Agricultural Microbiology	The subject will offer knowledge about the microbiology of soil, biogeochemical cycles, interactions of microbes, different crop infections and their remedial measures.
	MDTBB	Extra Disciplinary Elective 2	Environmental biotechnology	The Students will acquire knowledge about Characteristic features of biofilm, principles of designing of bioreactors, waste water treatment, study of recalcitrant and bioremediation strategies.

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IV	MDT4A	Core XIII	Food, dairy and Environmental Microbiology	This course will deliver the contents of Methods of food preservations, fermented food products, air borne microbes and assessment, waste treatment and degradation of xenobiotic compounds.
	MDT41	Core XIV Practical	Soil, Agricultural, Food and Environmental Microbiology	The subject delivers Isolation and enumeration of soil microbes, study on plant diseases, quality checking of milk, isolation of spoilage organisms and physical, chemical and microbial assessment of water.
	MDT4Q	Core XV	Project	The project involves selection of a topic, protocol, collection of literature, experimental part of the project and writing.
	MDTAE	Elective V	Research Methodology	The subject gives ideas on defining the research problems, fundamentals of bioethics, writing the research report, mutagenesis, histochemical, immuno and radiolabeling techniques.

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M.Phil Microbiology
Course Learning

SEM	Course Code	Course	Course Title	Course Learning Outcomes (CLO)
	NBA	Part I Paper I	Research Methodology	The subject gives ideas on defining the research problems, fundamentals of bioethics, writing the research report, mutagenesis, histochemical, immuno and radiolabeling techniques.
	NBB	Part I Paper II	Advanced Paper in Microbiology	This course will deliver the contents of Microbial techniques, food and environmental microbiology, microbes and health, microbes in nanotechnology and pharmaceutical microbiology.
	NBZ	Part I Paper III	Background paper of proposed Dissertation	The course will deliver knowledge in the respective fields of Dissertation
I	NBQ	Paper IV	Project	Research work involves selection of a topic, protocol, collection of literature, experimental part of the project and writing.

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Department of B.Com. BANK MANAGEMENT

PROGRAMME/ COURSE OUTCOME

SEM	Course Code	Course	Course Title	Course Learning Outcomes (CLO)
I	CPW1A	Core	Financial Accounting	Students will learn the Principles of Accounting in General, and the System of Keeping Accounting Records.
	CPW1B	Core	Business Communication	This subject will make the students to understand the Concept of Communication, and the Basic Techniques of the Modern forms of Communication.
	CDW1A	Allied	Business Economics	It prepares students about the method to analyze goods or services and make *business* decisions from the analysis.
II	CPW2A	Core	Principles of Management	This Subject will help the Student to Understand the basic concepts on Managements, and to know about the significance of the Management in Business.
	CPW2B	Core	Practical Auditing	It will make students to learn the concept of present day Auditing Practices, and the knowledge of various techniques of Auditing.
	CDW2A	Allied	International Economics	It makes students to understand the differences in productive resources and consumer preferences and the international institutions that affect them.
III	CPW3A	Core	Corporate Accounting	The subject will make the students to learn the Preparation of the Company accounts, and the Various Provisions of the Companies Act.
	CPW3B	Core	Business Laws	This Subject will help the Student to Understand the provisions of Law governing the General Contract and Special Contract, and to Understand the Legal Remedies are available in the law to the Business and other people.
	CPW3C	Core	Banking Theory, Law & Practice	The course will make the students to understand the origins and the growth of the Indian Banking System, and the Modern Day Developments in Indian Banking Sector.
	CPW3D	Core	Entrepreneurial Development	It makes the students to understand the concept of Entrepreneurship and enable

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				the students to know the effectiveness of the Manpower in Entrepreneurship.
	CDW3A	Allied	Indian Economy-I	It cultivates students with problem-solving, analytical, communication and persuasion skills that are critical for success in today's job market.
IV	CPW4A	Core	Advanced Corporate Accounting	The course will make the students to understand the applications of Accounting Transactions, and the Provision of the Indian Companies Act.
	CPW4B	Core	Financial Services	This Subject will help the Student to Understand the World of Financial Service, and the various Financial Service.
	CPW4C	Core	Business Taxation	Students will gain Knowledge of the Principle of Indirect Tax, and to highlight the students about the Customs duty, Excise duty, VAT etc.
	CPW4D	Core	Company Laws	Students will learn the provisions governing the Company Law, and to make the students aware on recent amendments to Companies Act.
	CPW4A	Allied	Indian Economy-II	It helps students to identify the policy measures that encourage prosperity and avoid inefficiency, making it a crucial driver in the search for sustainable growth.
V	CPW5A	Core	Practical Auditing	It will make students to learn about the concept of present day Auditing Practices, and the knowledge of various techniques of Auditing.
	CPW5B	Core	Banking Theory Regulatory Mechanism	Students will learn the concept of the Banking Structure, and the relationship between the Banking theory reforms and Monetary policy.
	CPW5C	Core	Portfolio Management	Students will learn the concept of Portfolio Management, and the Techniques of Portfolio Managements.
	CPW5D	Core	International Banking	This subject will make the students to learn the International Banking Structure, and the role of Foreign Exchange Market and it's Managements.
	CVW5A	Core	Credit Risk and Management Banking	Students will learn the concept of Credit and Risk Management, and the process of Credit and Risk Management.

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