



Dr. Rafiq Zakaria Campus

Maulana Azad Educational Trust's

Y. B. CHAVAN COLLEGE OF PHARMACY

(B. Pharm, M. Pharm & Research Centre)

ISO 14001:2015 CERTIFIED | NIRF-2018 ALL INDIA RANK 34TH

NAAC ACCREDITATION "A" GRADE WITH 3.23 CGPA SCORE

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&ItemID=gka&nDeptID=0](https://ybccpa.ac.in/Department/DisplayDeptPage.aspx?page=cagec&ItemID=gka&nDeptID=0)**



List of LMS uploaded by Faculty Members

Name of the teacher	Name of the module	Platform on which module is developed
Altamash Ansari Shakeel Ahmad	Nuclear Magnetic Resonance	LMS
	GC-MS	
	Alylic Bromination	
	BECKMANN REARRANGEMENT	
	FTIR	
	Hofmann Rearrangement	
	Synthesis of Chloroquine	
	Synthesis of Ethambutol	
	Synthesis of Amantadine	
	Synthesis of Ibuprofen	
	Synthesis of Mebendazole	
	Synthesis of Miconazole	
	Synthesis of Diazepam	
	Synthesis of Dapsone	

	Differential Scanning Calorimeter	
	Nucleic Acid	
	GLUCONEOGENESIS	
	Fatty Acid Metabolism	
	Protein and Amino Acid	
	Citric Acid Cycle	
	DNA Replication	
	Nucleic Acid	
	Lipid Metabolism	
	Fatty Acid Metabolism	
	Degradation of Cholesterol	
	Metabolism of Amino Acid	
	CITRIC ACID CYCLC	
	Hexoses Monophosphate Shunt	
	Enzymes	
	Biosynthesis of Fatty acid	
	Cholesterol Metabolism	
	OC-I Practical Manual	
	Synthesis of P-Amino Salicylic Acid	
	To separate a mixture of cooking oil and water with the help of	

	separating funnel.	
Dr. Anna Pratima Nikalje Ganpatrao	Naproxene	LMS
	Synthon Approach	
	Pericyclic Reactions	
	Wittig Reaction	
	Claisen rearrangement	
	Woodward-Hoffmann Rules Pericyclic Reactions	
	Stereochemistry of Drugs	
	3 Umpolung	
	Introduction to Protecting groups	
	Protection of carbonyl group	
	Introduction to Protecting groups	
	Protection of carbonyl group	
	General Protection of Functional groups	
	Fluorinating Agents in Organic Chemistry	
	Methods of Resolution of Racemic mixtures	
	Atropisomerism	
Molecular conformations		

	Chirality	
	Stereochemistry of some organic compounds	
	Ylides	
	Methylene lactones	
	Synthesis of methylene	
	Lactones	
	Enolate Chemistry	
	Enolate formation and reactivity	
	Question Bank for Advanced Organic Chemistry	
	Beckmann Rearranegment	
	Addition Reactions	
	ELIMINATION REACTIONS	
	Azo Compounds	
	Reactions mechanism	
	Reaggangements; Organic Chemistry of Enzyme Catalyzed Reactions	
	Sigmatropic Rearrangements	
	Factors Influencing Electron Availability	

	Success story of Organic Chemistry	
	IUPAC Nomenclature	
	Photochemistry	
	Pinacol-Pinacolone Rearrangement	
	CLICK Chemistry and Drug Discovery	
	Current Chemistry Strategies In early Drug Development	
	Uses of Derivative Spectroscopy	
	NMR 13C COSY NOESY	
	NMR 13C	
	ATP NMR	
	Introduction to 13C NMR	
	2D NMR	
	Dynamic processes by NMR	
	Prostaglandin synthesis	
	Total synthesis of Quinine	
	Asymmetric synthesis of Metoprolol	
	Chiral Derivatizing Agents	
	Total Synthesis of Prostaglandins F2 and E2 as the naturally	

	occurring forms	
	Asymmetric synthesis	
	Solvent selection-Going Beyond The Reaction Step	
	NOE difference spectroscopy	
	Spin-Spin coupling	
	NMR Splitting pattern	
	Circular Dichroism spectroscopy	
	Circular Dichroism spectroscopy Book	
	UV Visible Spectroscopy	
	UV Visible Spectroscopy	
	Liquid Chromatography	
	Advances in Pharmaceutical Analysis	
	MALDI TOF	
	Fast Atom Bombardment (FAB)	
	IR Spectroscopy	
	IR Spectroscopy	
	IR Spectroscopy	
	Infrared spectroscopy & Mass spectroscopy	
	NMR (1H & 13C)	

Dr. SANTOSH MOKALE NAMDEO	Rational Drug Design	LMS
	An overview of small-molecule inhibitors	
	DRUG DESIGN	
	Prodrug	
	Bioisosterism	
	QSAR	
	HIV and AIDS	
	Xanthine Oxidase Inhibitor	
	Important Points in Drug Design based on Bioinformatics Tools	
Dr. MOHAMED HASSAN DEGHAN GULAMREZA	Ivive	LMS
	Design of Experiments as a Tool for qbd in Pharmaceutical Product Development.	
	Drug Regulatory Affairs	
	Role of Pharmacist in Drug Regulatory Affairs	
	Pulmonary Drug Delivery	
	Nasal Drug Delivery	
Dr. SWAROOP LAHOTI RAMESHWARJ I	Differences between the US Patent System and the European Patent System	LMS
	MANUAL OF PATENT OFFICE PRACTICE AND PROCEDURE	

	Automation in pharmaceutical industry	
	PHARMACEUTICAL MARKETING AN OVERVIEW	
	WTO Notes	
Mrs. DURESHAHWA R KHAN Riyaz Ali	Protein Structure Prediction	LMS
	POMR	
	Cell Culture Protocol	
	Molecular Modelling	
	Cerebral Palsy	
	Stroke	
	Cell Culture	
	Solid Waste Management	
	Drugs acting on Respiratory Sysyem	
	Understanding Asthma	
	Pharmacology of Respiratory System	
	Drugs for Asthma treatment	
	Diuretics	
	Opiods Receptor, agonist and antagonist	
	Drug dependence,tolerance and addiction	

	Nootropics	
	ADR	
	PHARMACODYNAMIC	
	PHARMACOLOGY MCQ	
	PHARMACOKINETIC	
	Pharmacology of Local- Anesthesia	
	Pharmacology of antihypertensive drugs	
	Pharmacokinetics	
	Drugs acting on respiratory System	
	Haematinics and Erythropoetin	
	Pharmacokinetics	
	Introduction to Pharmacology	
	Introduction to PNS	
	Adrenergic system	
	Cholinergic agents	
	Pharmacology- Cholinergic drugs	
	Pharmacology- Anti Cholinergic drugs	
	Pharmacology- Adrenergic drugs	
	Pharmacology	

	antiadrenergic drugs	
Dr. AYAZ SYED ALI	Green House Gases and Global Warming	LMS
	Mechanism of Drug Action	
	Adverse Drug Reactions (adrs)	
	Antiretroviral Drugs	
Dr. FURQUAN KHAN NAZIMUDDIN	Supac and change control	LMS
	Quality by Design	
	Pharmaceutical Analysis Techniques	
	Electrochemical methods of analysis	
	Filtration	
	Crystallization	
	Mixing	
	Packing machines	
	Liquid filling machines	
	Performance Qualification of vial washer	
Mr. IMRAN MOHAMMED ANEES	Glycolysis pathway in carbohydrate metabolism	LMS
	NANO DRUG DELIVERY CONCEPT AND TYPES AND ITS	

	IMPORTANCE	
	NANO DRUG DELIVERY TECHNIQUES	
	INTRODUCTION TO BIOTECHNOLOGY	
	PLANT TISSUE CULTURE AND ANIMAL TISSUE CULTURE	
	METHODS OF GENE TRANSFER IN PLANTS	
	Animal tissue culture and its media design	
	Animal cloning and dolly sheep cloning process	
	Transgenic animals and methods of production of transgenic animals	
	BASICS OF FERMENTATION TECHNOLOGY AND FERMENTOR DESIGN	
	RECOMBINANT DNA TECHNOLOGY	
	APPLICATION OF BIO-NANOTECHNOLOGY	
Mrs. SABINA SHAIKH MERAJ	Natural Resources	LMS
	Forest Resources	
	Water resources	

	Mineral Resources	
	Complexes	
	Suspention	
	Colloids	
	Rhelogy	
	Solubility	
Dr. JAIPRAKASH SANGSHETTI NAVNATH	Current GMP	LMS
	Current GMP	
	Quality Management Systems	
	Quality System	
	Research Methodology	
	Research Methodology	
	Research Methodology	
Dr. Hemant Une Devidas	Anatomy	LMS
	ANTIAXIETY	
	Nsaids	
	HYPERTENSION	
	Signal Tranduction gpcrs	
	Camp Second Messenger	
Mr. MOHAMMED MUKHTAR KHAN ABDUL HAMEED	Human anatomy and physiology	LMS
	HAP 1	
	HAP II	
	Pharmacology II	

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	Autacoids	
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	Chemotherapy	
	Digestive drugs	
	Assembly setup	
Ms. ASMA AFREEN SHAIKH MAHEBOOB	DIGESTIVE SYSTEM	LMS
	RESPIRATORY SYSTEM	
	THE URINARY SYSTEM	
	Lymphatic system	
	Reproductive system	
	Reflex Arc	
	Experimental pharmacology	
	Antiviral drugs	
	Experimental pharmacology	
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	Experimental pharmacology	
	Experimental pharmacology	

	Spinal Cord, Reflex arc and Spinal nerves	
	Types of joints	
	ENDOCRINE GLANDS	
	ANS	
	Gustation	
	TASTE	
	Spinal nerves & ANS	
	Olfactory pathway	
	Structure & Function of Pituitary Gland	
	Transport across the cell membrane	
	JOINTS	
	INTEGUMENTARY SYSTEM	
	Cell communication	
	Nervous system	
	Skeletal System	
	Sense organ	
	Neurons (nerve cell)	
	Tissue level of organization	
	Tissue level of organization (Part A)	
	Tissue level of organization (Part B)	

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	UNIT- I, UNIT-II, UNIT- III	
	INTEGUMENTARY SYSTEM	
	Epithelial tissue	
	Connective tissue	
	Introduction to human body	
	Nervous system	
	CNS PART 2	
	MAJOR PARTS OF BRAIN	
	FUNCTIONAL ORGANIZATION OF THE CEREBRAL CORTEX	
	MAJOR PARTS OF BRAIN	
Mrs. NEHA NAUSHEEN QUADRI ADIL ALI	Metastasis and angiogenesis	
	Cancer, routes of spread and etiology	
	Autoimmunity (self immunity)	
	HIV & AIDS	
	Malaria - causes, symptoms, diagnosis, treatment, pathology	

	Herpes (oral & genital)	
	Cirrhosis -	
	Ischemia - consequences in reversible and irreversible cell injury	
	Acute inflammation	
	Hypersensitivity reactions type 1	
	Asthma	
	Type II hypersensitivity	
	Type III hypersensitivity	
	Type IV hypersensitivity	
	Autoimmune disorder	
	Oxygen free radicals & cellular injury - causes, symptoms & pathology	
	Malaria	
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Mrs. MARZUKA KAZI SHOEB	RHEOLOGY	LMS
	MICROMERITICS I	
	LIQUID CRYSTALS	
	SUSPENSIONS	
	INTERFACIAL PHENOMENON	
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	MICROMERITICS II	
	FORMULATION OF	

	SUSPENSION	
Mr. Shoaib Shaikh D	Pharmaceutical powders	LMS
	The Narcotic and Psychotropic Substance Act and Rules, 1985	
	DRUG AND COSMETIC ACT 1940	
	Pharmaceutical Suspension	
Mr. IFTEQUAR AHMED SYED MUMTAZ AHMED	Pharmaceutical Management	LMS
	IMMUNOGLOBULINS	
	Sterilization	
Mrs. NAHID ANJUM CHISHTI	Controlled Drug Delivery System	LMS
	Nanoparticles for Drug Delivery	
	Targeted Drug Delivery System	
	Blow Fill Seal Technology	
	Blister Packaging line for pharmaceutical products	
	Manufacturing of Glass	
	Accelerated Stability Testing	
	Novel Drug Delivery System	
Mr. YASAR	Antiviral Agents	LMS

QAZI QAISER	Drug Metabolism	
	Drug Metabolism	
	Viral infections	
	Antiulcer agents	
	FUNGAL INFECTIONS	
	Tuberculosis	
	Anthelmintics	
	Steroids	
Mr. NIKHIL SAKLE SUDHIR	Skeletal System	LMS
	Sense organ	
	Nervous Tissue	
	Cell Signaling	
	Feedback Mechanism	
	Connective Tissue	
	Levels of Structural Organization in the human body	
	Epithelial Tissue	
	Inflammation and Wound Healing	
	Cell Injury	
	Introduction to cancer biology	
	Atherosclerosis	
	Hypertension	
	Heart Failure	

	Angina Pectoris	
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	Thyroid diseases	
	Cell Injury	
	Introduction to cancer biology	
	Tetracyclines, Macrolides, Chloramphenicol, Clindamycin, Streptogramins and Oxazolidinones	
	β-Lactams Antibiotics	
	Fungal Cell Structure	
	Amphotericin B	
	Role of Azoles	
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Dr. SHAHED MIRZA BAIG	Introduction to Medicinal Chemistry	LMS
	Antihypertensives	
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	HPLC Method Development	
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	Asymmetric Synthesis	
	QSAR	
	Drug Discovery	
	Combinatorial Chemistry	
Dr. ABUBAKAR BAWAZIR SALAM	Volatile oils	LMS
	Chitrak	
	Bees Wax	
	Resins	
	Tannins	
Dr. MARIA SAIFEE HUSAIN	Threeform Technology	LMS
	Novel Drug Delivery System	
	Periochip Technology	
	Timerx Drug Delivery Ssytem	
	Ring Cap Technology	

Mr. SARFARAZ KHAN ASLAM	Pharmaceutical Analysis A brief introduction	LMS
	Gravimetry analysis	
	Acid base	
	Redox titration	
	Conductometer	
	Viruses	
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	Phagocytosis	
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Dr. Ismail Mohammad Mouzam	Ocular Drug Delivery System	LMS
	Dentrifices	
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	Scaleup Techniques	
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Mr. - MOIZUL HASAN ABDUL AZIZ	Flow of Fluids	LMS
	Flow of Fluids	
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	Evaporation	
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	Distillation	
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	Size reduction	
	Extraction	
Mrs. AFREEN BEGUM - ABDUL QAYYUM	Dental products	LMS
	Limit test of Iron and Lead	
	Limit test of Heavy metals	
	Limit test of Arsenic	
	Limit test of Sulphate	
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Mr. IMRAN SAYAD WAHAB	Expectorant; Emetics; Haematinics	LMS
	Poison and Antidote; Astringents	
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	Structure and Uses	
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	Pauli Exclusion Principal	
	Willgerodt rearrangement	
	Lithium aluminium hydride (lialh4)	
	Name Reaction	

Mr. OBAID SHAIKH MOHAMMED	Coulometry presentation	LMS
	UV Visible Spectroscopy	
	Mass Spectroscopy	
	NMR Spectroscopy	
	NMR basics	
	Basic Aspects of Process Validation	
	Sterilization Validation	
	Analytical Method Validation	
	Calculation of LOD and LOQ using MS Excel	
	Validation and Calibration of Analytical Instruments	
	Dr. Rana Ahmed Zainuddin	
Atomic Absorption spectroscopy		
Paper Chromatography		
Ultra performance Liquid Chromatography (UPLC)		
Analytical method validation		
Basics of HPLC and its instrumentation		
Basics of HPTLC		
Gas Chromatography		
Flash Chromatography		

	Application of Size exclusion chromatography	
	Supercritical Fluid chromatography	
	Mass Spectrometry	
	Spectrofluorometry	
	Nephelometer and turbidimeter	
	Gas Chromatography and GC-MS interfacing	
	HPLC basics and instrumentation	
	High performance Thin layer chromatography	
	SUPERCritical FLUID CHROMATOGRAPHY	
	ICH Guidelines Q2R1	
Dr. SUBUR KHAN WADOOD	Biotech	LMS
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Dr. KAMALKISHOR BAHETI GOVINDPRASAD	Pericyclic reactions presentation	LMS
	Worksheet of Bridge head compound nomenclature	
	Model Answer paper of Session examination	

	November 2017	
	Organometalic chemistry	
	Mannich reaction	
	Class test paper	
	Sample Practical Organic Question paper K G Baheti	
	Model Answer First sessional 2018-PHOC-II by K G Baheti	
Ms. AATEKA BARRAWAZ YAHYA	Bacterial endotoxin test	LMS
	Microbiological Assay of Antibiotics	
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	Redox titration	
	UNIT II NAT	
	Assay procedures	
	Complexometry	
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	Pharmaceutical Analysis Vol I	
	Pptn titration and gravimetric analysis	