	Indian Institute of Technology Kanpur Dean of Academic Affairs Office OARS Course Master Database (as on 08-SEP-2016) Deptwise list of courses without course contents					
Course No.	L-T-P-D-C	Pre-requisite	Course Contents/References	Course Title		
		**	Department of AE **			
AE472A	3-0-0-9		Course Contents: References/Text Books:	UNDERGRADUATE PROJECT III		
AE608	3-0-0-0-4		Course Contents: References/Text Books:	HEAT TRANSFER IN AEROSPACE APPLICATIONS		
AE608A	3-0-0-9		Course Contents: References/Text Books:	HEAT TRANSFER IN AEROSPACE APPLICATIONS		
AE654	3-0-0-4		Course Contents: References/Text Books:	COMBUSTION PROBLEMS IN ROCKET PROPULSION		
AE654A	3-0-0-9		Course Contents: References/Text Books:	COMBUSTION PROBLEMS IN ROCKET PROPULSION		
AE698B	3-0-0-0-4		Course Contents:	MECHANICS OFHIGHLY DEFORMABLE STRUCTURES		

			References/Text Books:	
AE704	3-0-0-4		Course Contents: References/Text Books:	DEFORMATION AND FRACTURE
		** <b>D</b>	epartment of BSBE **	
BSE352	3-0-04	#	Course Contents: References/Text Books:	BIOMATERIALS
BSE421A	3-0-0-2-11		Course Contents: References/Text Books:	TISSUE ENGINEERING
BSE460	0-0-0-2-4		Course Contents: References/Text Books:	TRENDS IN BIOLOGY AND BIOENGINEERING RESEARCH
BSE462	2-0-44		Course Contents: References/Text Books:	METHODS IN BIO-TECHNOLOGY-1
BSE492	3-0-0-4		Course Contents: References/Text Books:	METHODS IN BIOTECHNOLOGY-I, EXPERIMENTAL BIOSEPERATION
BSE492A	3-0-0-0-9	BSE222A	Course Contents: References/Text Books:	METHODS IN BIOTECHNOLOGY-I, EXPERIMENTAL BIOSEPERATION
BSE615	3-0-04		Course Contents: References/Text Books:	BIOELECTRICITY

BSE615A	3-0-0-9	Course Contents: References/Text Books:	BIOELECTRICITY
BSE616	3-0-0-0-4	Course Contents: References/Text Books:	BIOPHARMACEUTICALS
BSE616A	3-0-0-9	Course Contents: References/Text Books:	BIOPHARMACEUTICALS
BSE630	3-0-04	Course Contents: References/Text Books:	DEVELOPMENTAL BIOLOGY I
BSE630A	3-0-0-9	Course Contents: References/Text Books:	DEVELOPMENTAL BIOLOGY I
BSE638	3-0-0-0-4	Course Contents: References/Text Books:	STRUCTURAL BASIS OF PROTEIN FUNCTION
BSE640	3-00-4	Course Contents: References/Text Books:	BIOMATERIALS
BSE640A	3-0-0-9	Course Contents: References/Text Books:	BIOMATERIALS
BSE641	3-0-0-0-4	Course Contents: References/Text Books:	BIOLOGY LAB

BSE655	3-0-0-4		Course Contents: References/Text Books:	PHYSIOLOGY		
BSE655A	3-0-0-9		Course Contents: References/Text Books:	PHYSIOLOGY		
BSE671	1-0-54		Course Contents: References/Text Books:	RESEARCH METHODS IN BIOLOGICAL SCIENCES		
BSE680	3-0-0-0-4		Course Contents: References/Text Books:	BIOPHARMACEUTICALS		
BSE680A	3-0-0-9		Course Contents: References/Text Books:	BIOPHAMACEUTICALS		
BSE681	3-0-0-0-4		Course Contents: References/Text Books:	BIOLOGY LABORATORY		
BSE681A	3-0-0-9		Course Contents: References/Text Books:	BIOLOGY LABORATORY		
BSE682	1-0-5-0-4		Course Contents: References/Text Books:	SPECIAL TOPICS IN BIOLOGICAL SCIENCES AND BIOENGINEERING		
	** Department of CE **					

CE311A	3-0-3-0-12	CHM101A MTH101A	Course Contents: References/Text Books:	ENVIRONMENTAL QUALITY AND POLLUTION		
CE641A	3-0-0-5		Course Contents: References/Text Books:	PROJECT MANAGEMENT		
CE661	3-0-0-0-4		Course Contents: References/Text Books:	CHARACTERIZATION AND USE OF AGGREGATES IN PAVEMENT SYSTEMS		
CE666A	3-0-0-9		Course Contents: References/Text Books:	AIR POLLUTION AND ITS CONTROL		
EEM610	3-0-0-0-4		Course Contents: References/Text Books:	ENVIRONMENT TOXICOLOGY AND RISK ASSESSMENT		
EEM611	3-0-0-0-4		Course Contents: References/Text Books:	INDUSTRIAL WASTE MANAGEMENT		
		** <b>D</b>	epartment of CHE **			
CHE614	3-0-0-0-4		Course Contents: References/Text Books:	INTRODUCTION TO HYDRODYNAMIC STABILITY		
CHE675	3-0-0-4		Course Contents: References/Text Books:	SPECTROSCOPY OF NANOMATERIALS		
	** Department of CHM **					

CGM700.	20		Course Contents: References/Text Books:	PROJECT
CHM100	2-0-0-0-0		Course Contents: References/Text Books:	INTRODUCTION TO PROFESSION
CHM303	3-0-0-0-4		Course Contents: References/Text Books:	ORGANIC CHEMISTRY I
CHM343	0-0-6-0-4	CHM101N	Course Contents: References/Text Books:	INORGANIC CHEMISTRY LAB
CHM361A	0-0-2-0-2		Course Contents: References/Text Books:	CHEMISTRY COMMUNICATION SKILLS
CHM404	0-0-6-0-2	#	Course Contents: References/Text Books:	ORGANIC CHEMISTRY LAB.
CHM443	0-0-6-0-2	#	Course Contents: References/Text Books:	INORGANIC CHEMISTRY LAB
CHM443A	0-0-6-0-6		Course Contents: References/Text Books:	INORGANIC CHEMISTRY LAB
CHM482	3-0-0-0-4		Course Contents: References/Text Books:	CHEMISTRY AND OUR ENVIRONMENT

CHM627	3-0-0-4	Course Contents: References/Text Books:	METHODS OF ELECTRONIC STRUCTURE CALCULATION
CHM627A	3-0-0-9	Course Contents: References/Text Books:	METHODS OF ELECTRONIC STRUCTURE CALCULATION
CHM645	3-0-0-4	Course Contents: References/Text Books:	ORBITAL INTERACTIONS IN CHEMISTRY
CHM676	3-0-0-0-4	Course Contents: References/Text Books:	INTRODUCTION TO BIONANOTECHNOLOGY
CHM676A	3-0-0-9	Course Contents: References/Text Books:	INTRODUCTION TO BIONANOTECHNOLOGY
CHM683	3-0-0-0-4	Course Contents: References/Text Books:	SURFACES, INTERFACES, THIN FILMS & RELATED ANALYTICAL TECHNIQUES
CHM683A	3-0-0-9	Course Contents: References/Text Books:	SURFACES, INTERFACES, THIN FILMS & RELATED ANALYTICAL TECHNIQUES
SE341	3-0-0-0-4	Course Contents: References/Text Books:	BIO-INORGANIC CHEMISTRY
SE344	3-0-0-0-4	Course Contents: References/Text Books:	CHEMISTRY AND OUR ENVIRONMENT

	** Department of COM **				
COM200	1-0-2-0-5		Course Contents:	COMMUNICATION SKILLS: COMPOSITION	
		** 1	References/Text Books:		
		··· L	Department of CSE **	7	
CS100	2-0-0-0-0		Course Contents:	INTRODUCTION TO PROFESSION	
			<b>References/Text Books:</b>		
CS202	2-0-0-2	MTH101N	Course Contents:	INTRODUCTION TO MATHEMATICAL LOGIC	
0202	2-0-0-0-2		<b>References/Text Books:</b>		
CS302	2-0-0-2	MTH101N	Course Contents:	INTRODUCTION TO MATHEMATICAL LOGIC	
C5302	2-0-0-0-2		<b>References/Text Books:</b>	INTRODUCTION TO MATHEMATICAL LOOIC	
CS351A	0-0-3-0-3		Course Contents:	CSE	
CSSSIA	0-0-3-0-3		References/Text Books:		
CS497	3-0-04		Course Contents:	SPECIAL TOPICS IN COMPUTER SCIENCE	
C5497	3-0-04		References/Text Books:	SPECIAL TOPICS IN COMPUTER SCIENCE	
CS620	3-0-0-0-4		Course Contents:	MICROPROCESSOR DESIGN METHODOLOGY	
	5-0-0-4		References/Text Books:		
CS629	3-0-0-0-4	0-4	Course Contents:	PARALLEL EXECUTION OF PROGRAMS	
C5027	5-0-0-4		References/Text Books:	TARALLEL LALCO HON OF FROORAMS	

CS631	3-0-0-4	Course Contents: References/Text Books:	CYBER SECURITY OF CRITICAL INFRASTRUCTURES
CS651	3-0-0-0-4	Course Contents: References/Text Books:	CONCURRENT DATA STRUCTURES AND ALGORITHMS
CS677	3-0-0-4	Course Contents: References/Text Books:	DATA AND INFORMATION FUSION
CS682	3-0-04	Course Contents: References/Text Books:	QUANTUM COMPUTING
CS682A	3-0-0-9	Course Contents: References/Text Books:	QUANTUM COMPUTING
CS683A	3-0-0-9	Course Contents: References/Text Books:	COMPUTATIONAL ARITHMETIC-GEOMETRY & APPLICATIONS
CS684	3-0-0-0-4	Course Contents: References/Text Books:	INTRODUCTION TO ALGORITHMS AND LOGICS IN GAME THEORY
CS685	3-0-0-0-4	Course Contents: References/Text Books:	DATA MINING
CS686	3-0-0-0-4	Course Contents: References/Text Books:	BIOMETRIC RECOGNITION

CS687	3-0-0-0-4	Course Contents: References/Text Books:	ALGORITHMIC INFORMATION THEORY
CS687A	3-0-0-9	Course Contents: References/Text Books:	ALGORITHMIC INFORMATION THEORY
CS688	3-0-0-4	Course Contents: References/Text Books:	COMPUTATIONAL ARITHMETIC-GEOMETRY & APPLICATIONS
CS698.D	3-0-0-9	Course Contents: References/Text Books:	SPECIAL TOPICS IN DATA COMPRESSION
CS698A	3-0-0-9	Course Contents: References/Text Books:	SPECIAL TOPICS IN : GAME THEORY AND ITS APPLICATIONS IN COMPUTER SCIENCE
CS698AW	3-0-0-9	Course Contents: References/Text Books:	SPECIAL TOPICS IN : GAME THEORY AND ITS APPLICATIONS IN COMPUTER SCIENCE
CS698B	3-0-0-0-4	Course Contents: References/Text Books:	MATHEMATICS FOR MACHINE LEARNING
CS698C	3-0-0-0-4	Course Contents: References/Text Books:	APPLICATIONS OF SEMI-DEFINITE PROGRAMMING IN COMPLEXITY
CS698D	3-0-0-9	Course Contents: References/Text Books:	ARITHMETIC CIRCUIT COMPLEXITY

CS698E	3-0-0-9		Course Contents: References/Text Books:	OPTIMIZATION TECHNIQUES
CS698F	3-0-09		Course Contents: References/Text Books:	ADVANCED DATA MANAGEMENT
CS698G	3-0-02	CS601	Course Contents: References/Text Books:	INTRODUCTION TO UNIVERSAL ALGEBRA
CS698GT	3-0-04		Course Contents: References/Text Books:	GRAPH THEORY
CS698H	3-0-04		Course Contents: References/Text Books:	ADVANCED NATURAL LANGUAGE PROCESSING
CS698I	3-0-0-9		Course Contents: References/Text Books:	FORMAL METHODS FOR ROBOTICS AND AUTOMATION
CS698J	3-0-0-9		Course Contents: References/Text Books:	TOPICS IN LINEAR PROGRAMMING
CS698K	3-0-0-9		Course Contents: References/Text Books:	APPLICATIONS OF SEMI-DEFINITE PROGRAMMING IN COMPLEXITY
CS698L	3-0-0-0-4		Course Contents: References/Text Books:	ONLINE LEARNING AND OPTIMIZATION

CS698M	3-0-0-5	Course Contents: References/Text Books:	INTRODUCTION TO UNIVERSAL ALGEBRA
CS698N	3-0-09	Course Contents: References/Text Books:	RECENT ADVANCES IN COMPUTER VISION
CS698O	3-0-0-4	Course Contents: References/Text Books:	ADVANCED DATA MANAGEMENT
CS698P	3-0-0-0-4	Course Contents: References/Text Books:	APPLICATIONS OF MARKOV CHAINS IN COMPUTING
CS698Q	3-0-04	Course Contents: References/Text Books:	PROBABILISTIC INFERENCE
CS698R	3-0-0-0-4	Course Contents: References/Text Books:	TOPICS IN LINEAR PROGRAMMING
CS698S	0-0-34	Course Contents: References/Text Books:	S/W DESIGN FOR HIGH PERFORMANCE ARCHITECHTURE
CS698T	3-0-0-0-9	Course Contents: References/Text Books:	TYPE THEORETIC FOUNDATIONS OF PROGRAMMING LANGUAGES
CS698U	0-0-34	Course Contents: References/Text Books:	CODING THEORY

CS698V	3-0-0-0-4		Course Contents: References/Text Books:	DATA MINING
CS698W	3-0-04	#	Course Contents: References/Text Books:	SPECIAL TOPICS IN : GAME THEORY AND ITS APPLICATIONS IN COMPUTER SCIENCE
CS698WA	3-0-0-9		Course Contents: References/Text Books:	SPECIAL TOPICS IN : GAME THEORY AND ITS APPLICATIONS IN COMPUTER SCIENCE
CS698X	3-0-0-9		Course Contents: References/Text Books:	PROBABILISTIC MACHINE LEARNING
CS698Y	3-0-04		Course Contents: References/Text Books:	TOPICS IN OBJECT ORIENTEDLANGUAGE IMPLEMENTATION
CS698Z	3-0-0-9		Course Contents: References/Text Books:	ONLINE LEARNING AND OPTIMIZATION
CS718	3-0-0-0-4		Course Contents: References/Text Books:	SUBLINEAR ALGORITHMS FOR PROCESSING MASSIVE DATA SETS
CS745	3-0-0-0-4		Course Contents: References/Text Books:	SMALL SPACE BOUNDED COMPUTATIONS
CS746	3-0-0-0-4		Course Contents: References/Text Books:	RIEMANN HYPOTHESIS AND ITS APPLICATIONS

CS746A	3-0-0-9		Course Contents: References/Text Books:	RIEMANN HYPOTHESIS AND ITS APPLICATIONS	
CS771	3-0-0-0-4	ESO209 CS210/ESO211	Course Contents: References/Text Books:	MACHINE LEARNING TECHNIQUES	
CS771A	3-0-0-9	MSO201A/CS201A ESO207A/CS210A	Course Contents: References/Text Books:	MACHINE LEARNING TECHNIQUES	
CS785	3-0-0-0-4		Course Contents: References/Text Books:	MULTIAGENT SYSTEMS : GAMES, ALGORITHMS, EVOLUTION	
CS797	0-0-04		Course Contents: References/Text Books:	SPECIAL TOPICS IN COMPUTER SCIENCE	
SE367	3-0-0-0-4		Course Contents: References/Text Books:	INTRODUCTION TO COGNITIVE SEIENCE	
SE367A	3-0-0-9		Course Contents: References/Text Books:	INTRODUCTION TO COGNITIVE SEIENCE	
	** Department of ECO **				
ECO525A	3-0-0-9		Course Contents: References/Text Books:	PLANNING TECHNQUE	

ECO752	3-0-0-0-4		Course Contents: References/Text Books:	QUANTITATIVE ANALYSIS OF INTERNATIONAL TRADE		
	** Department of EE **					
EE100	2-0-0-0-0		Course Contents: References/Text Books:	INTRODUCTION TO PROFESSION		
EE401A	0-0-2-0-2		Course Contents: References/Text Books:	ELECTRICAL ENGINEERING COMMUNICATION SKILLS		
EE609	3-0-0-0-4		Course Contents: References/Text Books:	CONVEX OPTIMIZATION IN SIGNAL PROCESSING AND COMMUNICATIONS		
EE617	3-0-0-4		Course Contents: References/Text Books:	INDUSTRIAL AUTOMATION AND CONTROL		
EE644	3-0-04		Course Contents: References/Text Books:	OPTICAL COMMUNICATION		
EE644A	3-0-0-0-9		Course Contents: References/Text Books:	OPTICAL COMMUNICATION		
EE674	3-0-04	EE370	Course Contents: References/Text Books:	ARCHITECTURE OF MICRO-PROCESSORS & MICROCOMPUTERS		

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EE674A	3-0-0-0-9		Course Contents: References/Text Books:	ARCHITECTURE OF MICRO-PROCESSORS & MICROCOMPUTERS
EE698	3-0-04	#	Course Contents:	POWER MANAGEMENT CIRCUITS
EE098	3-0-04	#	<b>References/Text Books:</b>	FOWER MANAGEMENT CIRCUITS
EE698A	3-0-0-0-9		Course Contents:	POWER MANAGEMENT CIRCUITS
EE098A	3-0-0-9		<b>References/Text Books:</b>	FOWER MANAGEMENT CIRCUITS
EE698B	3-0-0-0-9	#	Course Contents:	CONTROL OF CYBER-PHYSICAL SYSTEM
EE098B	3-0-0-9	#	<b>References/Text Books:</b>	CONTROL OF CIBER-FRISICAL SISTEM
EE698C	3-0-09		Course Contents:	CONSENSUS IN DISTRIBUTED MULTIAGENT
EE098C	3-0-09		<b>References/Text Books:</b>	SYSTEM
EE698E	3-0-0-0-9		Course Contents:	QUANTUM AND WAVE PHENOMENA WITH
EE098E	3-0-0-0-9		<b>References/Text Books:</b>	ELECTRICAL APPLICATION
EE698G	3-0-0-0-9		Course Contents:	PROBABILISTIC MOBILE ROBOTICS
EE0980	3-0-0-0-9		<b>References/Text Books:</b>	FRODADILISTIC MODILE RODOTICS
EE698H	3-0-0-0-9		Course Contents:	SYNCHROPHASOR TECHNOLOGY AND ITS
LL07011	3-0-0-9		<b>References/Text Books:</b>	APPLICATIONS
EE698I 3	3-0-0-0-9		Course Contents:	SOLAR PHOTOVOLTAIC TECHNOLOGY
	5-0-0-9		References/Text Books:	SOLAR PHOTOVOLTAIC TECHNOLOGY

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EE698J	3-0-09	Course Contents: References/Text Books:	KALMAN FILTERING & APPLICATIONS
EE698K	3-0-04	Course Contents: References/Text Books:	CHAOTIC DYNAMICAL SYSTEMS & CONTROL
EE698L	3-0-0-4	Course Contents: References/Text Books:	COMPACT MODELING
EE698M	3-0-0-9	Course Contents: References/Text Books:	SELECTED TOPICS IN IMAGE & SIGNAL PROCESSING
EE698N	3-0-0-9	Course Contents: References/Text Books:	COMPACT MODELING
EE698P	3-0-0-9	Course Contents: References/Text Books:	SIMULATION OF COMMUNICATION SYSTEMS
EE698Q	3-0-0-9	Course Contents: References/Text Books:	CONVEX OPTIMIZATION IN SP/COM
EE698R	3-0-0-0-9	Course Contents: References/Text Books:	TRANSCEIVER OPTIMIZATION FOR OFDM WIRELESS SYSTEM
EE698S	3-0-0-9	Course Contents: References/Text Books:	SPINTRONICS AND QUANTUM TRANSPORT APPLICATION TO SEMICONDUCTOR DEVICES

EE698T	3-0-04		Course Contents: References/Text Books:	ADVANCED TOPICS IN MULTIUSER COMMUNICATION	
EE698U	3-0-0-0-4		Course Contents: References/Text Books:	SPINTRONICS AND QUANTUM TRANSPORT APPLICATION TO SEMICONDUCTOR DEVICES	
EE698UA	3-0-0-9		Course Contents: References/Text Books:	SPINTRONICS AND QUANTUM TRANSPORT APPLICATION TO SEMICONDUCTOR DEVICES	
EE698V	3-0-04		Course Contents: References/Text Books:	SIMULATION OF COMMUNICATION SYSTEMS	
EE698W	3-0-04		Course Contents: References/Text Books:	CONVEX OPTIMIZATION IN SP/COM	
EE698X	3-0-0-0-4		Course Contents: References/Text Books:	ADVANCED MOSEFT MODELING	
EE698Y	3-0-0-0-4		Course Contents: References/Text Books:	INDUSTRIAL INSTRUMENTATION FOR PROCESS CONTROL	
EE698Z	3-0-04	#	Course Contents: References/Text Books:	TRANSCEIVER OPTIMIZATION FOR OFDM WIRELESS SYSTEM	
	** Department of ES **				

ES655A	3-1-0-0-11		Course Contents: References/Text Books:	SOLID EARTH GEOPHYSICS
ES656A	2-0-3-0-9		Course Contents: References/Text Books:	GEOPHYSICAL METHODS
		** <u>I</u>	Department of HSS **	
ART410	3-0-14		Course Contents: References/Text Books:	VIDEO PRODUCTION - THEORY & PRACTICE
ART705A	3-0-0-9		Course Contents: References/Text Books:	MODERN FAR-EASTERN ART
COM200A	1-0-2-0-5		Course Contents: References/Text Books:	COMMUNICATION SKILLS: COMPOSITION
ECO112A	3-1-0-0-11		Course Contents: References/Text Books:	INTRODUCTON TO MACROECONOMIC PROBLEMS AND POLICIES
ECO201.	3-1-04		Course Contents: References/Text Books:	MICROECONOMICS - I
ECO409	3-1-0-0-4		Course Contents: References/Text Books:	DYNAMIC MACROECONOMICS

ECO444	3-0-0-4		Course Contents: References/Text Books:	EMPIRICAL METHODS IN APPLIED MICROECONOMICS
ECO504A	3-0-0-0-9	ECO201A/ECO221A/ECO101A	Course Contents: References/Text Books:	ECONOMIC ANALYSIS OF LAW
ECO523	3-0-0-4		Course Contents: References/Text Books:	ECONOMIC GROWTH THEORY AND PRACTICE
ECO540	3-0-0-0-4	ECO311/ECO312	Course Contents: References/Text Books:	HISTORY OF ECONOMIC DEVELOPMENT
ECO753	3-0-0-0-4		Course Contents: References/Text Books:	LABOUR ECONOMICS
ECO754	3-0-0-0-4		Course Contents: References/Text Books:	GAME THEORY
ECO755	3-0-0-0-4		Course Contents: References/Text Books:	CONTRACT TREORY
ENG121A	4		Course Contents: References/Text Books:	ENGLISH LANGUAGE AND COMPOSITION
ENG121B	4		Course Contents: References/Text Books:	ENGLISH LANGUAGE AND COMPOSITION

PHI141.	3-1-0-0-4		Course Contents: References/Text Books:	INTRODUCTION TO PHILOSOPHY
PHI784	3-0-0-0-4		Course Contents: References/Text Books:	TWENTIETH CENTURY CONTINENTAL PHILOSOPHY
PSY792	2-0-3-0-4		Course Contents: References/Text Books:	INTRODUCTION TO QUANTITATIVE STATISTICS USING R
PSY792A	2-0-3-0-9		Course Contents: References/Text Books:	INTRODUCTION TO QUANTITATIVE STATISTICS USING R
PSY794	3-0-0-0-4		Course Contents: References/Text Books:	DISASTER MENTAL HEALTH
SOC171.	3-1-0-0-4		Course Contents: References/Text Books:	INTRODUCTORY SOCIOLOGY
		** [	Department of IME **	
IME672	3-0-0-4		Course Contents: References/Text Books:	DATA MINING AND KNOWLEDGE DISCOVERY
IME684	3-0-0-0-4		Course Contents: References/Text Books:	SIMULATION AND SCHEDULING OF MANUFACTURING

			Course Contents:		
MBA644	3-0-04			KNOWLEDGE STRATEGIES & MANAGEMENT	
			<b>References/Text Books:</b>		
			Course Contents:	PRODUCT DESIGN AND NEW PRODUCT	
VLM601	0-0-0-0-5		<b>References/Text Books:</b>	MANAGEMENT	
			Course Contents:		
VLM602	0-0-0-2		References/Text Books:	SUPPLY CHAIN MANAGEMENT	
	0.0.0.2		Course Contents:		
VLM603	0-0-0-2		References/Text Books:	ADVANCE MATERIALS	
VLM604	0-0-0-0-3		Course Contents:	AUTOMATION & ROBOTICS IN	
V LIVI004	0-0-0-0-3		References/Text Books:	MANUFACTURING	
VLM605	0-0-0-2		Course Contents:	COMPUTER INTEGRATED MANUFACTURING	
V LIVIOUS	0-0-0-2		References/Text Books:	SYSTEMS	
VLM606	0-0-0-0-2		Course Contents:	DATA ANALYSIS AND DECISION MAKING	
V LIVIOUO	0-0-0-2		References/Text Books:	DATA ANALISIS AND DECISION MAKING	
	** Department of LT **				
LT680	1-0-34	LT601 LT631	Course Contents:	M TECH LAD TECHNIQUES	
L1080	1-0-34	L1001 L1031	References/Text Books:	M TECH LAB TECHNIQUES	
		** <b>D</b> e	epartment of MDES **		

DES604	3-0-0-4	Course Contents: References/Text Books:	DESIGN THINKING & RESEARCH METHODS
DES604A	2-0-3-0-9	Course Contents: References/Text Books:	DESIGN THINKING & RESEARCH METHODS
DES605	3-0-0-0-4	Course Contents: References/Text Books:	PRODUCT DESIGN AND PROTOTYPING
DES606	3-0-0-0-4	Course Contents: References/Text Books:	INTERACTION DESIGN FOR PHYSICAL PRODUCTS
DES630	3-0-0-0-4	Course Contents: References/Text Books:	FUNDAMENTALS OF GRAPHICS
DES631	2-0-2-0-4	Course Contents: References/Text Books:	PSYCHOLOGICAL PRINCIPLES AND DESIGN
DES633	3-0-0-0-4	Course Contents: References/Text Books:	INTEGRATED PRODUCT DEVELOPMENT-I
DES634	3-0-0-0-4	Course Contents: References/Text Books:	ELECTRONICS FOR DESIGNERS
DES635	2-0-3-0-4	Course Contents: References/Text Books:	METHODS FOR DESIGN RESEARCH

	** Department of ME **				
ME100	1-0-2-0-0		Course Contents:	INTRODUCTION TO PROFESSION	
ME100	1-0-2-0-0		References/Text Books:	INTRODUCTION TO PROFESSION	
ME624	3-0-0-0-4	ME681	Course Contents:	CALCULUS OF VARIATIONS	
WIL024	5-0-0-4		References/Text Books:		
ME670	3-0-0-0-4		Course Contents:	ADDITIVE MANUFACTURING	
WILLOVO	50004		References/Text Books:		
ME672	3-0-0-0-4		Course Contents:	MICROMANUFACTURING PROCESSES	
			References/Text Books:		
ME698	3-0-0-0-4		Course Contents:	INTRODUCTION HYDRODYNAMIC	
			References/Text Books:	STABILITY	
ME698B	3-0-09		Course Contents:	GEOPHYSICAL FLUID DYNAMICS	
			References/Text Books:		
ME698C	3-0-0-0-9		Course Contents:	MECHANICS OF ICE	
		1	References/Text Books:	1	
ME698D	3-0-04	3-0-04	Course Contents:	SPECIAL TOPICS : MICROMACHINING	
			References/Text Books:		

ME698E	3-0-04		Course Contents: References/Text Books:	BIO-MEMS AND MICROSYSTEMS
ME698F	3-0-0-0-4	ME681	Course Contents:	BIFURCATION THEORY
			References/Text Books:	
ME698G	3-0-04	ME321	Course Contents:	PHASE TRANSFORMATION
			<b>References/Text Books:</b>	
MECORI	3-0-0-0-4		Course Contents:	VICOELACTICITY
ME698H	3-0-0-0-4		<b>References/Text Books:</b>	VISCOELASTICITY
ME698I	3-0-04		Course Contents:	CONTACT MECHANICS
WIL0781	3-0-04		<b>References/Text Books:</b>	
MECORI	3-0-0-0-4		Course Contents:	FABRIONICS
ME698J	3-0-0-0-4		<b>References/Text Books:</b>	FABRIONICS
ME698K	3-0-0-0-4		Course Contents:	INTERFACES IN SOLIDS
WIE098K	3-0-0-0-4		<b>References/Text Books:</b>	INTERFACES IN SOLIDS
ME698L	3-0-0-0-4		Course Contents:	ASYMPTOTICS AND PERTUBATION
ME098L 3-0-0-0-4	3-0-0-4	0-4	<b>References/Text Books:</b>	METHODS
	3-0-04		Course Contents:	NON - LINEAR FINITE ELEMENT
ME698M	3-0-04		References/Text Books:	TECHNIQUES IN SOLID MECHANICS

			Common Companya	
ME698N	3-0-0-0-9		Course Contents:	NON - LINEAR FINITE ELEMENT
			References/Text Books:	TECHNIQUES IN SOLID MECHANICS
ME701	20004		Course Contents:	DECICILEOD MANILIEACTUDE & ACCEMPLY
ME701	3-0-0-0-4		References/Text Books:	DESIGN FOR MANUFACTURE & ASSEMBLY
		** D	epartment of MME **	
			Course Contents:	
MME330.	4		<b>References/Text Books:</b>	IRON AND STEELMAKING
			Course Contents:	
MME470	3-0-2-0-5	MME370	References/Text Books:	MANUFACTURING PROCESS
		** <b>D</b>	Department of MSE **	
	20004		Course Contents:	
MSE421	3-0-0-0-4		<b>References/Text Books:</b>	IRON AND STEEL MAKING
			Course Contents:	
MSE421A	3-0-0-0-9		References/Text Books:	IRON AND STEEL MAKING
	20004	3-0-0-4	Course Contents:	SELECTION AND DESIGN OF ENGINEERING
MSE422	3-0-0-0-4		References/Text Books:	MATERIALS
	3-0-0-9		Course Contents:	SELECTION AND DESIGN OF ENGINEERING
MSE422A		3-0-0-9	References/Text Books:	MATERIALS

MSE470	3-0-2-0-5	MSE370	Course Contents: References/Text Books:	MANUFACTURING PROCESS
MSE601	3-0-0-4		Course Contents: References/Text Books:	DISPLAY MATERIALS & TECHNOLOGIES
MSE608	3-0-0-0-4		Course Contents: References/Text Books:	MICROSTRUCTURE MODELLING AND SIMULATION
MSE608A	3-0-0-9		Course Contents: References/Text Books:	MICROSTRUCTURE MODELLING AND SIMULATION
MSE624	3-0-0-0-4		Course Contents: References/Text Books:	ENERGY MATERIALS AND TECHNOLOGIES
		** <b>D</b>	epartment of MTH **	
MSO202	3-1-0-0-2		Course Contents: References/Text Books:	COMPLEX VARIABLES
MSO202A	3-1-0-0-6		Course Contents: References/Text Books:	COMPLEX VARIABLES
MTH101T	3-1-0-1-4		Course Contents: References/Text Books:	MATHEMATICS I SLOW PACED

MTH205	3-1-0-0-4		Course Contents: References/Text Books:	INTRODUCTION TO FOURIER SERIES
MTH205A	3-1-0-0-11		Course Contents: References/Text Books:	INTRODUCTION TO FOURIER SERIES
MTH309	3-1-0-0-4		Course Contents: References/Text Books:	PROBABILITY THEORY
MTH425	3-1-0-0-2	MSO201	Course Contents: References/Text Books:	DISTRIBUTIONS IN STATISTICS
MTH426	3-0-0-0-4		Course Contents: References/Text Books:	AN INTRODUCTION TO MATHEMATICAL MODELLING
MTH426A	3-0-0-9		Course Contents: References/Text Books:	AN INTRODUCTION TO MATHEMATICAL MODELLING
MTH511.	3-1-0-0-4	ESO209	Course Contents: References/Text Books:	ESSENTIAL OF CODING THEORY
MTH552	4		Course Contents: References/Text Books:	STATISTICAL & AI TECHIQUES IN DATA MINING
MTH622	3-0-0-0-4	#	Course Contents: References/Text Books:	FRACTAL INTERPOLATION AND APPLICATIONS

MTH622A	3-0-0-9		Course Contents: References/Text Books:	FRACTAL INTERPOLATION AND APPLICATIONS
MTH663	3-0-04	#	Course Contents: References/Text Books:	ANALYTICAL TECHNIQUES FOR PDE
MTH673	3-0-0-0-4	MTH418	Course Contents: References/Text Books:	ROBUST STATISTICAL METHODS
MTH676	3-0-0-0-4	#	Course Contents: References/Text Books:	ECONOMETRICS
MTH677	3-0-04	#	Course Contents: References/Text Books:	SET THEORIES AND LOGICS
MTH679	3-0-0-0-4		Course Contents: References/Text Books:	SPATIO-TEMPORAL MODELS IN MATHEMATICAL BIOLOGY
MTH679A	3-0-0-9		Course Contents: References/Text Books:	SPATIO-TEMPORAL MODELS IN MATHEMATICAL BIOLOGY
MTH705	3-0-0-0-4		Course Contents: References/Text Books:	WAVELET METHODS FOR ELLIPTIC PARTIAL DEFFERENTIAL EQUATIONS
MTH706	3-0-0-0-4		Course Contents: References/Text Books:	NUMERICAL ANALYSIS & SCIENTIFIC COMPUTING

MTH706A	3-0-0-9	Course Contents: References/Text Books:	NUMERICAL ANALYSIS & SCIENTIFIC COMPUTING
MTH715	3-0-0-0-4	Course Contents: References/Text Books:	FREDHOLM THEORY
MTH719	3-0-0-0-4	Course Contents: References/Text Books:	INTRODUCTION TO HOMOGENIZATION
MTH719A	3-0-0-0-9	Course Contents: References/Text Books:	INTRODUCTION TO HOMOGENIZATION
MTH720	3-0-0-0-4	Course Contents: References/Text Books:	NUMERICAL SOLUTION OF INTEGRAL EQUATIONS
MTH729	3-0-0-0-4	Course Contents: References/Text Books:	ERGODIC THEORY
MTH739	3-0-0-0-4	Course Contents: References/Text Books:	TOPICS IN LIE GROUPS AND LIE ALGEBRAS
MTH759	3-0-0-0-4	Course Contents: References/Text Books:	ALGEBRIC TOPOLOGY II
MTH759A	3-0-0-0-9	Course Contents: References/Text Books:	ALGEBRIC TOPOLOGY II

	** Department of NET **				
NT661	3-0-0-0-4	NT602/NT611	Course Contents:	SAFETY ANALYSIS OF NUCLEAR POWER REACTORS	
			References/Text Books:	KEACTORS	
NT661A	3-0-0-0-9	NT602A/NT611A	Course Contents:	SAFETY ANALYSIS OF NUCLEAR POWER	
			References/Text Books:	REACTORS	
NT698	3-0-0-0-4		Course Contents:	SPECIAL TOPICS	
			<b>References/Text Books:</b>		
		** L	Department of PHY **		
PHY103.	3-1-0-0-11		Course Contents:	PHYSICS II	
1111105.	5-1-0-0-11		References/Text Books:		
PHY557A	3-0-0-9		Course Contents:	BATCHLOR OF SCIENCE PROJECT -III	
THIJJIA	3-0-0-0-9		<b>References/Text Books:</b>	BATCHLOR OF SCIENCE I ROJECT -III	
PHY558A	0-0-1-2-9		Course Contents:	BATCHLOR OF SCIENCE PROJECT -IV	
TITIJJOA	0-0-1-2-9		References/Text Books:	BATCHLOR OF SCIENCE PROJECT -1V	
PHY590B	4		Course Contents: SPECIAL TOPIC	SPECIAL TOPICS IN PHYSICS: ADVANCED	
1111390B	4		References/Text Books:	FIELD THEORY	
PHY610	30004		Course Contents:	INTRODUCTION TO BIOPHOTONICS	
1111010	3-0-0-0-4	Re	References/Text Books:	INTRODUCTION TO BIOPHOTONICS	

РНҮ632	3-0-0-4	#	Course Contents: References/Text Books:	TRANSPORT IN MESOSCOPIC SYSTEMS
PHY645	3-0-04		Course Contents: References/Text Books:	ELECTROMAGNETIC METAMATERIALS AND PLASMONICS
PHY651	3-0-0-0-4		Course Contents: References/Text Books:	INTRODUCTION TO ASTROPHYSICAL FLUID
PHY659	3-0-0-0-4		Course Contents: References/Text Books:	SPECIAL & GENERAL RELATIVITY
PHY663	3-0-0-0-4		Course Contents: References/Text Books:	MATHEMATICAL METHODS II
РНҮ672	3-0-04		Course Contents: References/Text Books:	PHYSICS OF TURBULENCE
PHY679	3-0-0-4	РНҮ680/РНҮ681	Course Contents: References/Text Books:	THE STANDARD MODEL OF FUNDAMENTAL PHYSICS
PHY682	3-0-0-4		Course Contents: References/Text Books:	CONCEPTS OF PLASMA PHYSICS
PHY690B	3-0-0-9		Course Contents: References/Text Books:	QUANTUM PHASES IN NANO-SCALE SYSTEM

II	r		1	(r)
PHY690C	3-0-0-0-9		Course Contents: References/Text Books:	PRINCIPLES OF LASERS AND DETECTORS
PHY690E	0-0-04		Course Contents: References/Text Books:	QUANTUM DYNAMICS
PHY690F	3-0-04		Course Contents: References/Text Books:	QUANTUM DYNAMICS: COMPUTATION & INFORMATION
PHY690G	3-0-09		Course Contents: References/Text Books:	COHERENCE & QUANTUM ENTANGLEMENT
РНҮ690Н	3-0-0-0-4	#	Course Contents: References/Text Books:	GREEN NANOTECHNOLOGIES
PHY690I	3-0-0-0-4		Course Contents: References/Text Books:	COSMOLOGY
PHY690J	3-0-04		Course Contents: References/Text Books:	GROUP THEORY AND ITS APPLICATIONS TO PARTICLE PHYSICS
PHY690K	3-0-0-0-9		Course Contents: References/Text Books:	QUANTUM DYNAMICS, INFORMATION AND COMPUTATION
PHY690L	3-0-0-0-9		Course Contents: References/Text Books:	QUANTUM OPTICS II

PHY690M	3-0-09		Course Contents:	ADVANCED GENERAL RELATIVITY AND BLACK HOLES
			<b>References/Text Books:</b>	
PHY690N	3-0-0-0-4		Course Contents:	GAUGE THEORY AND RENORMALIZATION
	5-0-0-4		References/Text Books:	
PHY690O	3-0-0-0-9		Course Contents:	GAUGE THEORY AND RENORMALIZATION
11110,000	5-0-0-0-7		<b>References/Text Books:</b>	
PHY690P	3-0-04		Course Contents:	SPINTRONICS
	5-0-04	+	References/Text Books:	
PHY690Q	3-0-04		Course Contents:	COOPERATIVE PHENOMENA IN CLASSICAL
1110,00	5-0-04		<b>References/Text Books:</b>	& QUANTUM SYSTEMS
PHY690R	3-0-04	-04	Course Contents:	QUANTUM DYNAMICS, INFORMATION AND
	5-0-04		References/Text Books:	COMPUTATION
PHY690S	3-0-04	-0-04	Course Contents:	TYPE II SUPERCONDUCTORS VORTICES &
5-0-0	5-0-04		References/Text Books:	APPLICATIONS
РНҮ690Т	3-0-0-0-9		Course Contents:	TYPE II SUPERCONDUCTORS VORTICES &
1110,01	5-0-0-7		<b>References/Text Books:</b>	APPLICATIONS
PHY690U	3-0-0-9	3-0-0-9	Course Contents:	ADVANCE GENERAL RELATIVITY AND BLACK HOLES
11110900			<b>References/Text Books:</b>	

PHY690W	3-0-0-2	Course Contents: References/Text Books:	INTRODUCTION TO HIGH PERFORMANCE COMPUTING FOR SCIENTISTS AND ENGINEERS
РНҮ690Ү	3-0-0-0-4	Course Contents: References/Text Books:	COHERENCE & QUANTUM ENTANGLEMENT
PHY693	3-0-0-0-4	Course Contents: References/Text Books:	INTRODUCTION TO SPINTRONICS
РНҮ695	3-0-0-0-4	Course Contents: References/Text Books:	NONLINEAR SYSTEM & DYNAMICS
PHY695A	3-0-0-0-9	Course Contents: References/Text Books:	NONLINEAR SYSTEM & DYNAMICS
PHY697A	0-0-20-0-12	Course Contents: References/Text Books:	M SC RESEARCH PROJECT -I
PHY697B	0-0-20-0-12	Course Contents: References/Text Books:	M SC RESEARCH PROJECT-II
PSO201A	2-1-0-0-8	Course Contents: References/Text Books:	QUANTUM PHYSICS