

INSTITUTE OF ENGG. , JIWAJI UNIVERSITY, GWALIOR
CHOICE BASED CREDIT SYSTEM(w.e.f.2022-2024 batch)
MASTER OF TECHNOLOGY (FIRST SEMESTER)

BRANCH : ELECTRONICS ENGINEERING
SPECIALIZATION IN DIGITAL COMMUNICATION

S.NO.	SUBJECT CODE	SUBJECT NAME	PERIODS PER WEEK			CREDITS	MAXIMUM MARKS			MAXIMUM MARKS		TOTAL
			L	T	P		END SEM. EXAM.	TESTS (TWO)	ASSIGNMENT	END SEM. PRACTICAL /VIVA	PRACTICAL RECORD/ ASSIGNMENT	
1	MEDC-101	ADVANCED MATHEMATICS	3	1		4	70	20	10			100
2	MEDC-102	MICRO CONTROLLER SYSTEM DESIGN	3	1		4	70	20	10			100
3	MEDC-103	DSP APPLICATION	3	1		4	70	20	10			100
4	MEDC-104	VLSI DESIGN	3	1		4	70	20	10			100
5	MEDC-105	WIRELESS ADHOC	3	1		4	70	20	10			100
6	MEDC-106	LAB-I (102,103)			6	6				90	60	150
7	MEDC-107	LAB-II (104,105)			6	6				90	60	150
		TOTAL	15	5	12	32	350	100	50	180	120	800

INSTITUTE OF ENGG. , JIWAJI UNIVERSITY, GWALIOR
CHOICE BASED CREDIT SYSTEM(w.e.f.2022-2024 batch)
MASTER OF TECHNOLOGY (SECOND SEMESTER)

BRANCH : ELECTRONICS ENGINEERING
SPECIALIZATION IN DIGITAL COMMUNICATION

S.NO.	SUBJECT CODE	SUBJECT NAME	PERIODS PER WEEK			CREDITS	MAXIMUM MARKS			MAXIMUM MARKS		TOTAL
			L	T	P		END SEM. EXAM.	TESTS (TWO)	ASSIGNMENT	END SEM. PRACTICAL /VIVA	PRACTICAL RECORD/ ASSIGNMENT	
1	MEDC-201	SYSTEM PROGRAMMING	3	1		4	70	20	10			100
2	MEDC-202	MODELLING & SIMULATION OF COMPUTER	3	1		4	70	20	10			100
3	MEDC-203	NETWORK DESIGN TECHNOLOGY	3	1		4	70	20	10			100
4	MEDC-204	OPTICAL NETWORK	3	1		4	70	20	10			100
5	MEDC-205	MOBILE & SATELLITE COMMUNICATION	3	1		4	70	20	10			100
6	MEDC-206	LAB-III (201)			6	6				90	60	150
7	MEDC-207	LAB-IV (202)			6	6				90	60	150
		TOTAL	15	5	12	32	350	100	50	180	120	800

INSTITUTE OF ENGG. , JIWAJI UNIVERSITY, GWALIOR
CHOICE BASED CREDIT SYSTEM(w.e.f.2022-2024 batch)
MASTER OF TECHNOLOGY (THIRD SEMESTER)

BRANCH : ELECTRONICS ENGINEERING
SPECIALIZATION IN DIGITAL COMMUNICATION

S.NO.	SUBJECT CODE	SUBJECT NAME	PERIODS PER WEEK			CREDITS	MAXIMUM MARKS			MAXIMUM MARKS		TOTAL
			L	T	P		END SEM. EXAM.	TESTS (TWO)	ASSIGNMENT	END SEM. PRACTICAL /VIVA	PRACTICAL RECORD/ ASSIGNMENT	
1	MEDC-301	ELECTIVE-I	3	1		4	70	20	10			100
2	MEDC-302	ELECTIVE-II	3	1		4	70	20	10			100
3	MEDC-303	SEMINAR			4	4					100	100
4	MEDC-304	DISSERTATION PART-I			5	5				100	50	150
5	ICA-402	IPR	3			3	50					50
		TOTAL	9	2	9	20	190	40	20	100	150	500

ELECTIVE-I
(A) INFORMATION THEORY & CODING
(B) DATA COMMUNICATION & COMPUTER NETWORK
(C) ADVANCED DIGITAL COMMUNICATION

ELECTIVE-II
(A) ADVANCED DIGITAL COMMUNICATION
(B) OPTICAL INSTRUMENTATION & MEASUREMENT
(C) MODERN TELECOM SWITCHING SYSTEMS

INSTITUTE OF ENGG. , JIWAJI UNIVERSITY, GWALIOR
CHOICE BASED CREDIT SYSTEM(w.e.f.2022-2024 batch)
MASTER OF TECHNOLOGY (FOURTH SEMESTER)

BRANCH : ELECTRONICS ENGINEERING
SPECIALIZATION IN DIGITAL COMMUNICATION

S.NO.	SUBJECT CODE	SUBJECT NAME	PERIODS PER WEEK			CREDITS	MAXIMUM MARKS			MAXIMUM MARKS		TOTAL
			L	T	P		END SEM. EXAM.	TESTS (TWO)	ASSIGNMENT	END SEM. PRACTICAL /VIVA	PRACTICAL RECORD/ ASSIGNMENT	
1	MEDC-401	DISSERTATION PART-II			20	20				300	200	500
		TOTAL			20	20				300	200	500

INSTITUTE OF ENGG. , JIWAJI UNIVERSITY, GWALIOR
CHOICE BASED CREDIT SYSTEM(w.e.f.2022-2024 batch)
MASTER OF TECHNOLOGY (FIRST SEMESTER)

BRANCH : CHEMICAL ENGINEERING

S.NO.	SUBJECT CODE	SUBJECT NAME	PERIODS PER WEEK			CREDITS	MAXIMUM MARKS			MAXIMUM MARKS		TOTAL
			L	T	P		END SEM. EXAM.	TESTS (TWO)	ASSIGNMENT	END SEM. PRACTICAL /VIVA	PRACTICAL RECORD/ ASSIGNMENT	
1	MECM-101	SEPARATION PROCESS	3	1		4	70	20	10			100
2	MECM-102	ADVANCED TRANSPORT PHENOMENON	3	1		4	70	20	10			100
3	MECM-103	REACTOR DESIGN & STABILITY	3	1		4	70	20	10			100
4	MECM-104	ADVANCED HEAT TRANSFER	3	1		4	70	20	10			100
5	MECM-105	PROCESS MODELING & SIMULATION	3	1		4	70	20	10			100
6	MECM-106	LAB-I (SEPARATION PROCESS)				6				90	60	150
7	MECM-107	LAB-II (ADVANCED HEAT TRANSFER)				6				90	60	150
		TOTAL	15	5	12	32	350	100	50	180	120	800

INSTITUTE OF ENGG. , JIWAJI UNIVERSITY, GWALIOR
CHOICE BASED CREDIT SYSTEM(w.e.f.2022-2024 batch)
MASTER OF TECHNOLOGY (SECOND SEMESTER)

BRANCH : CHEMICAL ENGINEERING

S.NO.	SUBJECT CODE	SUBJECT NAME	PERIODS PER WEEK			CREDITS	MAXIMUM MARKS			MAXIMUM MARKS		TOTAL
			L	T	P		END SEM. EXAM.	TESTS (TWO)	ASSIGNMENT	END SEM. PRACTICAL /VIVA	PRACTICAL RECORD/ ASSIGNMENT	
1	MECM-201	PROCESS PLANT OPTIMIZATION TECHNIQUE	3	1		4	70	20	10			100
2	MECM-202	COMPUTER AIDED DESIGN FOR PROCESS EQUIPMENT	3	1		4	70	20	10			100
3	MECM-203	ADVANCED PROCESS DYNAMICS & CONTROL	3	1		4	70	20	10			100
4	MECM-204	PRODUCTIVITY & MANAGEMENT	3	1		4	70	20	10			100
5	MECM-205	INDUSTRIAL POLLUTION CONTROL	3	1		4	70	20	10			100
6	MECM-206	LAB-III(COMPUTER AIDED DESIGN FOR PROCESS EQUIPMENT)				6				90	60	150
7	MECM-207	LAB-IV(ADVANCED PROCESS DYNAMICS & CONTROL)				6				90	60	150
		TOTAL	15	5	12	32	350	100	50	180	120	800

INSTITUTE OF ENGG. , JIWAJI UNIVERSITY, GWALIOR
CHOICE BASED CREDIT SYSTEM(w.e.f.2022-2024 batch)
MASTER OF TECHNOLOGY (THIRD SEMESTER)

BRANCH : CHEMICAL ENGINEERING

S.NO.	SUBJECT CODE	SUBJECT NAME	PERIODS PER WEEK			CREDITS	MAXIMUM MARKS			MAXIMUM MARKS		TOTAL
			L	T	P		END SEM. EXAM.	TESTS (TWO)	ASSIGNMENT	END SEM. PRACTICAL /VIVA	PRACTICAL RECORD/ ASSIGNMENT	
1	MECM-301	ELECTIVE-I	3	1		4	70	20	10			100
2	MECM-302	ELECTIVE-II	3	1		4	70	20	10			100
3	MECM-303	SEMINAR			4	4					100	100
4	MECM-304	DISSERTATION PART-I			5	5				100	50	150
5	ICA-402	IPR	3			3	50					50
		TOTAL	9	2	9	20	190	40	20	100	150	500

ELECTIVE-I
(A) DATA BASE PROCESS PLANT DESIGN
(B) BIOCHEMICAL ENGINEERING
(C) NANOTECHNOLOGY IN CHEMICAL ENGG.

ELECTIVE-II
(A) DESIGN OF PIPING SYSTM FOR CHEMICAL PLANTS
(B) ENERGY MANAGEMENT
(C) FLUDIZATION ENGINEERING

INSTITUTE OF ENGG. , JIWAJI UNIVERSITY, GWALIOR
CHOICE BASED CREDIT SYSTEM(w.e.f.2022-2024 batch)
MASTER OF TECHNOLOGY (FOURTH SEMESTER)

BRANCH : CHEMICAL ENGINEERING

S.NO.	SUBJECT CODE	SUBJECT NAME	PERIODS PER WEEK			CREDITS	MAXIMUM MARKS			MAXIMUM MARKS		TOTAL
			L	T	P		END SEM. EXAM.	TESTS (TWO)	ASSIGNMENT	END SEM. PRACTICAL /VIVA	PRACTICAL RECORD/ ASSIGNMENT	
1	MECM-401	DISSERTATION PART-II			20	20				300	200	500
		TOTAL			20	20				300	200	500