



Misan University Engineering College Electrical Engineering Department



The curriculum of study in the department

The following is the curriculum of the department for the four years of study

Syllabus Description of 1st YEAR- 1st SEMESTER

CODE	SUBJECT	NUMBER OF THEORTICAL HOURS PER WEEK	NUMBER OF PRACTICAL HOURS PER WEEK	NUMBER OF TUTORAL HOURS PER WEEK	NUMBER OF UNITS
E1101	Fundamental of Electrical Engineering I	3	--	1	3
C1102	Mathematical I	3	--	1	3
E1103	Basic Physics	3	--	--	3
E1104	Digital Technical I	2	--	1	2
E1105	Computer Science I	2	--	--	2
E1106	Mechanical Engineering I	2	2	1	3
E1107	Lab.(Measurements + Programming)	-	2+2	-	2
C1108	Engineering Drawing	--	2	--	1
U1109	Human Rights	1	-	-	1

Syllabus Description of 1st YEAR- 2nd SEMESTER

CODE	SUBJECT	NUMBER OF THEORTICAL HOURS PER WEEK	NUMBER OF PRACTICAL HOURS PER WEEK	NUMBER OF TOUTORAL HOURS PER WEEK	NUMBER OF UNITS
E1201	Fundamental of Electrical Engineering II	3	--	1	3
C1202	Mathematical II	3	--	1	3
E1203	Electronics I	3	--	1	3
E1204	Digital Technical II	2	--	1	2
E1205	Computer Science II	2	--	--	2
E1206	Mechanical Engineering II	2	--	1	2
E1207	Lab.(Measurements + Programming+ logic)	--	2+2+2	--	3
C1208	Auto CAD	--	2	--	1
U1209	English Language	1	--	1	1

1 st SEMESTER		2 nd SEMESTER		Total	
28 Hours	20 Units	30 Hours	20 Units	58 Hours	40 Units



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Syllabus Description of 2nd YEAR- 1st SEMESTER

CODE	SUBJECT	NUMBER OF THEORTICAL HOURS PER WEEK	NUMBER OF PRACTICAL HOURS PER WEEK	NUMBER OF TUTORAL HOURS PER WEEK	NUMBER OF UNITS
E2101	Electrical Circuits I	3	--	1	3
E2102	Electrical Machines I	3	--	1	3
C2103	Mathematical III	3	--	1	3
E2104	Electronics II	2	--	1	2
E2105	Computer Science III	2	--	--	2
E2106	Electromagnetic Fields I	2	--	1	2
E2107	Lab.(Electronics + Programming)	-	2+2	-	2
E2108	Measurement & Instruments	3	--	--	3

Syllabus Description of 2nd YEAR – 2nd SEMESTER

CODE	SUBJECT	NUMBER OF THEORTICAL HOURS PER WEEK	NUMBER OF PRACTICAL HOURS PER WEEK	NUMBER OF TUTORAL HOURS PER WEEK	NUMBER OF UNITS
E2201	Electrical Circuits II	3	--	1	3
E2202	Electrical Machines II	3	--	1	3
C2203	Mathematical IV	3	--	1	3
E2204	Electronics III	2	--	1	2
E2205	Computer Science IV	2	--	--	2
E2206	Electromagnetic Fields II	2	--	1	2
E2207	Lab.(Electronics + Programming+ Machines)	-	2+2+2	-	3
E2208	Engineering Statistics	2	--	1	2

1 st SEMESTER		2 nd SEMESTER		Total	
27 Hours	20 Units	29 Hours	20 Units	56 Hours	40 Units



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Syllabus Description of 3rd YEAR- 1st SEMESTER

CODE	SUBJECT	NUMBER OF THEORTICAL HOURS PER WEEK	NUMBER OF PRACTICAL HOURS PER WEEK	NUMBER OF TUTORAL HOURS PER WEEK	NUMBER OF UNITS
E3101	Electrical Machines III	3	--	1	3
E3102	Electrical Power I	3	--	1	3
E3103	Communication I	3	--	1	3
E3104	Engineering Analysis I	2	--	1	2
E3105	Electronics IV	2	--	1	2
E3106	Microprocessors	2	--	--	2
E3107	Control I	2	--	1	2
E3108	Elective Subject	2	--	1	2
E3109	Lab.(Electronics + Machines)	--	2+2	-	2

Syllabus Description of 3rd YEAR – 2nd SEMESTER

CODE	SUBJECT	NUMBER OF THEORTICAL HOURS PER WEEK	NUMBER OF PRACTICAL HOURS PER WEEK	NUMBER OF TOUTORAL HOURS PER WEEK	NUMBER OF UNITS
E3201	Electrical Machines IV	2	--	1	2
E3202	Electrical Power II	3	--	1	3
E3203	Communication II	3	--	1	3
E3204	Engineering Analysis II	2	--	1	2
E3205	Electronics V	2	--	1	2
E3206	Computers Networks	2	--	--	2
E3207	Control II	2	--	1	2
E3208	Elective Subject	2	--	--	2
E3209	Lab.(Communication + Machines + Control)	--	2+2+2	-	3

1 st SEMESTER		2 nd SEMESTER		Total	
30 Hours	21 Units	30 Hours	21 Units	60 Hours	42 Units



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Syllabus Description of 4th YEAR- 1st SEMESTER

CODE	SUBJECT	NUMBER OF THEORTICAL HOURS PER WEEK	NUMBER OF PRACTICAL HOURS PER WEEK	NUMBER OF TUTORAL HOURS PER WEEK	NUMBER OF UNITS
E4101	Power System Analysis I	3	--	1	3
E4102	Information Theory	3	--	1	3
E4103	Control III	3	--	1	3
E4104	Power Electronics	2	--	1	2
E4105	Advanced Electronics I	2	--	1	2
C4106	Engineering Project	1	2	--	2
E4107	Lab.(power electronic + communication)	--	2+2	--	2
E4109	Elective Subject	2	--	-	2

Syllabus Description of 4th YEAR – 2nd SEMESTER

CODE	SUBJECT	NUMBER OF THEORTICAL HOURS PER WEEK	NUMBER OF PRACTICAL HOURS PER WEEK	NUMBER OF TUTORAL HOURS PER WEEK	NUMBER OF UNITS
E4201	Power System Analysis II	3	--	1	3
E4202	Digital Communication	3	--	1	3
E4203	Intelligent Control	3	--	1	3
E4204	Special Machines	2	--	1	2
E4205	Advanced Electronics II	2	--	1	2
C4206	Engineering Project	1	2	--	2
E4207	Lab.(power electronic + control)	--	2+2	--	2
E4208	Elective Subject	2	--	--	2

1 st SEMESTER		2 nd SEMESTER		Total	
27 Hours	19 Units	27 Hours	19 Units	54 Hours	38 Units