

SDM College Engineering and Technology, Dhavalagir Dharwad

Electrical and Electronics Engineering

I semester B. E. (Common to all Branches) Physics cycle

Course Code	*Course Category	Course Title	Teaching		Examination				
			L-T-P (Hrs/Week)	Credits	CIE	Theory (SEE)		Practical (SEE)	
					Max. Marks	**Max. Marks	Duration in Hrs.	Max. Marks	Duration In Hrs.
21UMAC100	BS	Engineering Mathematics-I	2 - 2 - 0	3	50	100	3	-	-
21UPHC100	BS	Engineering Physics	3 - 0 - 0	3	50	100	3	-	-
21UEEC100	ES	Basic Electrical Engineering	3 - 0 - 0	3	50	100	3	-	-
21UCVC100	ES	Elements of Civil Engineering and Mechanics	3 - 0 - 0	3	50	100	3	-	-
21UMEC100	ES	Elements of Mechanical Engineering	2 - 0 - 0	2	50	50	2	-	-
21UHUC100	HU	Functional English	1 - 2 - 0	2	50	50	2	-	-
21UPHL100	BS	Engineering Physics Lab	0 - 0 - 2	1	50	-	-	50	2
21UESL100	ES	Basic Engineering Skills Lab	0 - 0 - 2	1	50	-	-	50	2
21UAEE1XX	AE	Ability Enhancement Course	2- 0- 0	2	50	50	2	-	-
Total			16 - 4 - 4	20	450	550		100	

- * BS- Basic science ES- Engineering Science HU- Humanities, languages and Management AE- Ability enhancement course
- ** Semester End Examination conducted for 100 marks will be reduced to 50 marks

Chemistry cycle

Course Code	*Course Category#	Course Title	Teaching		Examination				
			L-T-P (Hrs/Week)	Credits	CIE	Theory (SEE)		Practical (SEE)	
					Max. Marks	**Max. Marks	Duration in Hrs.	Max. Marks	Duration In Hrs.
21UMAC100	BS	Engineering Mathematics – I	2-2-0	3	50	100	3	-	-
21UCYC100	BS	Engineering Chemistry	3-0-0	3	50	100	3	-	-
21UECC100	ES	Basic Electronics	3-0-0	3	50	100	3	-	-
21UCSC100	ES	Problem Solving & Programming in C	3-0-0	3	50	100	3	-	-
21UMGC100	ES	Engineering Graphics	2-0-0	2	50	50	2	-	-
21UCYL100	BS	Engineering Chemistry Lab	0-0-2	1	50	-	-	50	2
21UCSL100	ES	Computer Programming Lab	0-0-2	1	50	-	-	50	2
21UAEE1XX	AE	Ability Enhancement Course	2-0-0	2	50	50	2	-	-
21UHUC101	HU	Society, Environment and Engineering	2 -0-0	2	50	50	2	-	-
Total			17 - 2 - 4	20	450	550		100	

- * BS- Basic science ES- Engineering Science HU- Humanities, languages and Management AE- Ability enhancement course
- ** Semester End Examination conducted for 100 marks will be reduced to 50 marks

**II semester B. E. (Common to all Branches)
Physics cycle**

Course Code	*Course Category	Course Title	Teaching		Examination				
			L-T-P (Hrs/Week)	Credits	CIE	Theory (SEE)		Practical (SEE)	
					Max. Marks	**Max. Marks	Duration in Hrs.	Max. Marks	Duration In Hrs.
21UMAC200	BS	Engineering Mathematics-II	2 - 2 - 0	3	50	100	3	-	-
21UPHC200	BS	Engineering Physics	3 - 0 - 0	3	50	100	3	-	-
21UEEC200	ES	Basic Electrical Engineering	3 - 0 - 0	3	50	100	3	-	-
21UCVC200	ES	Elements of Civil Engineering and Mechanics	3 - 0 - 0	3	50	100	3	-	-
21UMEC200	ES	Elements of Mechanical Engineering	2 - 0 - 0	2	50	50	2	-	-
21UPHL200	BS	Engineering Physics Lab	0 - 0 - 2	1	50	-	-	50	2
21UESL200	ES	Basic Engineering Skills Lab	0 - 0 - 2	1	50	-	-	50	2
21UAEE2XX	AE	Ability Enhancement Course	2 - 0 - 0	2	50	50	2	-	-
21UHUC201	HU	Society, Environment and Engineering	2 - 0 - 0	2	50	50	2	-	-
Total			17 - 2 - 4	20	450	550		100	

* BS- Basic science ES- Engineering Science HU- Humanities, languages and Management AE- Ability enhancement course

** Semester End Examination conducted for 100 marks will be reduced to 50 marks

Chemistry cycle

Course Code	*Course Category#	Course Title	Teaching		Examination				
			L-T-P (Hrs/Week)	Credits	CIE	Theory (SEE)		Practical (SEE)	
					Max. Marks	**Max. Marks	Duration in Hrs.	Max. Marks	Duration In Hrs.
21UMAC200	BS	Engineering Mathematics – II	2-2-0	3	50	100	3	-	-
21UCYC200	BS	Engineering Chemistry	3-0-0	3	50	100	3	-	-
21UECC200	ES	Basic Electronics	3-0-0	3	50	100	3	-	-
21UCSC200	ES	Problem Solving & Programming in C	3-0-0	3	50	100	3	-	-
21UMGC200	ES	Engineering Graphics	2-0-0	2	50	50	2	-	-
21UHUC200	HU	Functional English	1 - 2 - 0	2	50	50	2	-	-
21UCYL200	BS	Engineering Chemistry Lab	0-0-2	1	50	-	-	50	2
21UCSL200	ES	Computer Programming Lab	0-0-2	1	50	-	-	50	2
21UAEE2XX	AE	Ability Enhancement Course	2-0-0	2	50	50	2	-	-
Total			16 - 4 - 4	20	450	550		100	

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III Semester

Course Code	*Course Category	Course Title	Teaching		Examination				
			L-T-P (Hrs./Week)	Credits	CIE	Theory (SEE)		Practical (SEE)	
					Max. Marks	**Max. Marks	Duration in Hrs.	Max. Marks	Duration in Hrs.
21UMAC300	BS	Engineering Mathematics-III	2 - 2 - 0	3	50	100	3	-	-
21UEEC300	PC	Network Analysis	3 - 0 - 0	3	50	100	3	-	-
21UEEC301	PC	Analog Electronics	3 - 0 - 0	3	50	100	3	-	-
21UEEC302	PC	Energy conversion technology	3 - 0 - 0	3	50	100	3	-	-
21UEEC303	PC	Digital Electronics	3 - 0 - 0	3	50	100	3	-	-
21UAEE341	AE	Ability Enhancement course	2 - 0 - 0	2	50	50	2	-	-
21UHUC300	HU	Universal Human Values-I	2 - 0 - 0	2	50	50	2	-	-
21UEEL305	PC	Analog Electronics Lab	0 - 0 - 3	1.5	50	--	-	50	3
21UEEL306	PC	Digital Electronics Lab	0 - 0 - 3	1.5	50	-	-	50	3
21UHUC301	***HU	Kannada	2 - 0 - 0	1	50	50	2	-	-
21UMBA301	****BS	Mathematics	3 - 0 - 0	Audit	50	-	-	-	-
Total			23 - 2 - 6	23	550	650		100	

* BS- Basic science ES- Engineering Science HU- Humanities, languages and Management AE- Ability enhancement course PC- Program core

** Semester End Examination conducted for 100 marks will be reduced to 50 marks

*** Students of all branches will be divided into 2 groups, and each group will take either CIPE or Kannada in 3rd and 4th semester respectively.

**** Bridge course on Mathematics for Lateral entry students.

Ability Enhancement Course:

Course code	Course Title
21UAEE341	Electrical & Electronics Measurements

IV Semester


Course Code	*Course Category	Course Title	Teaching		Examination				
			L-T-P (Hrs./Week)	Credits	CIE	Theory (SEE)		Practical (SEE)	
					Max. Marks	**Max. Marks	Duration in Hrs.	Max. Marks	Duration in Hrs.
21UMAC400	BS	Engineering Mathematics-IV	2 - 2 - 0	3	50	100	3	-	-
21UEEC400	PC	Signals and Systems	3 - 0 - 0	3	50	100	3	-	-
21UEEC401	PC	Microcontrollers	3 - 0 - 0	3	50	100	3	-	-
21UEEC402	PC	Electrical Machines-I	3 - 0 - 0	3	50	100	3	-	-
21UEEC403	PC	Electrical Power Transmission and Distribution	3 - 0 - 0	3	50	100	3	--	--
21UHUA400	***HU	The Constitution of India and Professional Ethics	2 - 0 - 0	Audit	50	--	--	--	--
21UHUC402	HU	Universal Human Values-II	2 - 0 - 0	2	50	50	2	--	--
21UEEL404	PC	Measurement and Circuit Simulation Lab	0 - 0 - 3	1.5	50	--	--	50	3
21UEEL405	PC	Microcontroller Lab	0 - 0 - 3	1.5	50	--	--	50	3
21UEEL406	PC	Introductory Project	0 - 0 - 2	1	50	--	--	--	--
21UMBA401	****BS	Mathematics	3 - 0 - 0	Audit	50	-	-	-	-
Total			21 - 2 - 8	21	550	550		100	

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**** Bridge course on Mathematics for Lateral entry student


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