

Dr. Babasaheb Ambedkar Technological Engineering
Teaching and Evaluation Scheme for First Year B. Tech. (All Branches)

Group A

Semester I										
Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Total	Credit
		L	T	P	CA	MSE	ESE			
Mandatory	Induction Program	3-weeks duration in the beginning of semester.								
BTBS101	Engineering Mathematics- I	3	1	-	20	20	60	100	4	
BTBS102	Engineering Physics	3	1	-	20	20	60	100	4	
BTES103	Engineering Graphics	2	-	-	20	20	60	100	2	
BTHM104	Communication Skills	2	-	-	20	20	60	100	2	
BTES105	Energy and Environment Engineering	2	-	-	20	20	60	100	2	
BTES106	Basic Civil and Mechanical Engineering	2	-	-	50	-	-	50	Audit	
BTBS107L	Engineering Physics Lab	-	-	2	60	-	40	100	1	
BTES108L	Engineering Graphics Lab	-	-	4	60	-	40	100	2	
BTHM109L	Communication Skills Lab.	-	-	2	60	-	40	100	1	
		14	2	8	330	100	420	850	18	
Semester II										
BTBS201	Engineering Mathematics-II	3	1	-	20	20	60	100	4	
BTBS202	Engineering Chemistry	3	1	-	20	20	60	100	4	
BTES203	Engineering Mechanics	2	1	-	20	20	60	100	3	
BTES204	Computer Programming in C	2	-	-	20	20	60	100	2	
BTES205	Workshop Practices	-	-	4	60	-	40	100	2	
BTES206	Basic Electrical and Electronics Engineering	2	-	-	50	-	-	50	Audit	
BTES207L	Computer Programming Lab	-	-	2	60	-	40	100	1	
BTBS208L	Engineering Chemistry Lab	-	-	2	60	-	40	100	1	
BTES209L	Engineering Mechanics Lab	-	-	2	60	-	40	100	1	
BTES210P	Mini Project	-	-	2	60	-	40	100	1	
BTES211P	Field Training / Internship/Industrial Training (minimum of 4 weeks which can be completed partially in first semester and second Semester or in at one time).	-	-	-	-	-	-	-	Credits To be evaluate d in III Sem.	
		12	3	12	430	80	440	950	19	
									27	

Dr. Babasaheb Ambedkar Technological Engineering
Teaching and Evaluation Scheme for First Year B. Tech. (All Branches)

Group B

Semester I									
Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
		L	T	P	CA	MSE	ESE	Total	
Mandatory	Induction Program	3-weeks duration in the beginning of semester.							
BTBS101	Engineering Mathematics- I	3	1	-	20	20	60	100	4
BTBS102	Engineering Chemistry	3	1	-	20	20	60	100	4
BTES103	Engineering Mechanics	2	1	-	20	20	60	100	3
BTES104	Computer Programming in C	2	-	-	20	20	60	100	2
BTES105L	Workshop Practices	-	-	4	60	-	40	100	2
BTES106	Basic Electrical and Electronics Engineering	2	-	-	50	-	-	50	Audit
BTES107L	Computer Programming Lab	-	-	2	60	-	40	100	1
BTBS108L	Engineering Chemistry Lab	-	-	2	60	-	40	100	1
BTES109L	Engineering Mechanics Lab	-	-	2	60	-	40	100	1
		12	3	10	370	80	400	850	18
			25						
Semester II									
BTBS201	Engineering Mathematics-II	3	1	-	20	20	60	100	4
BTBS202	Engineering Physics	3	1	-	20	20	60	100	4
BTES203	Engineering Graphics	2	-	-	20	20	60	100	2
BTHM204	Communication Skills	2	-	-	20	20	60	100	2
BTES205	Energy and Environment Engineering	2	-	-	20	20	60	100	2
BTES206	Basic Civil and Mechanical Engineering	2	-	-	50	-	-	50	Audit
BTBS207L	Engineering Physics Lab	-	-	2	60	-	40	100	1
BTES208L	Engineering Graphics Lab	-	-	4	60	-	40	100	2
BTHM209L	Communication Skills Lab.	-	-	2	60	-	40	100	1
BTES210P	Mini Project	-	-	2	60	-	40	100	1
BTES211P	Field Training / Internship/Industrial Training (minimum of 4 weeks which can be completed partially in first semester and second Semester or in at one time)	-	-	-	-	-	-	-	Credits To be evaluate d in III Sem.
		14	2	10	390	100	460	950	19
			26						

**Teaching and Evaluation Scheme for
First Year of B.E. /B. Tech. (Chemical/Mechanical/Civil/Petrochemical)**

Semester I

Sr. No.	Course Code	Name of the Course	Teaching Scheme			Evaluation Scheme			Credit
			L	T	P	IA	MSE	ESE	
1	MATH101	Engineering Mathematics-I	3	1	0	20	20	60	4
2	HS102	Communication Skills	3	0	0	20	20	60	3
3	PHY103	Engineering Physics	3	1	0	20	20	60	4
4	ME104	Engineering Graphics	2	0	0	20	20	60	2
5	CV105	Basic Civil Engineering	3	0	0	20	20	60	3
6	CHE106	Energy and Environment Engineering	2	0	0	20	20	60	2
7	HS102L	Communication Skills Laboratory	0	0	2	60	0	40	1
8	PHY103L	Engineering Physics Laboratory	0	0	2	60	0	40	1
9	ME104L	Engineering Graphics Laboratory	0	0	4	60	0	40	2
10	CV105L	Basic Civil Engineering Laboratory	0	0	2	60	0	40	1
11	WS100L	Workshop Practices	0	0	4	60	0	40	2
Total									25

Semester II

Sr. No.	Course Code	Name of the Course	Teaching Scheme			Evaluation Scheme			Credit
			L	T	P	IA	MSE	ESE	
1	MATH201	Engineering Mathematics-II	3	1	0	20	20	60	4
2	ME202	Engineering Mechanics	3	0	0	20	20	60	3
3	CHM203	Engineering Chemistry	3	1	0	20	20	60	4
4	EE204	Basic Electrical Engineering	3	0	0	20	20	60	3
5	EXE205	Basic Electronics Engineering	3	0	0	20	20	60	3
6	ICT206	Basic Computer Programming	3	0	0	20	20	60	3
7	ME202L	Engineering Mechanics Laboratory	0	0	2	60	0	40	1
8	CHM203L	Engineering Chemistry Laboratory	0	0	2	60	0	40	1
9	EE204L	Basic Electrical Engineering Laboratory	0	0	2	60	0	40	1
10	EXE205L	Basic Electronics Engineering Laboratory	0	0	2	60	0	40	1
11	ICT206L	Basic Computer Programming Laboratory	0	0	2	60	0	40	1
Total									25

**Teaching and Evaluation Scheme for
First Year of B. E. /B. Tech. (Electrical/Electronics/Computer/IT)**

Semester I

Sr. No.	Course Code	Name of the course	Teaching Scheme			Evaluation Scheme			Credit
			L	T	P	IA	MSE	ESE	
1	MATH101	Engineering Mathematics-I	3	1	0	20	20	60	4
2	ME102	Engineering Mechanics	3	0	0	20	20	60	3
3	CHM103	Engineering Chemistry	3	1	0	20	20	60	4
4	EE104	Basic Electrical Engineering	3	0	0	20	20	60	3
5	EXE105	Basic Electronics Engineering	3	0	0	20	20	60	3
6	ICT106	Basic Computer Programming	3	0	0	20	20	60	3
7	ME102L	Engineering Mechanics Laboratory	0	0	2	60	0	40	1
8	CHM103L	Engineering Chemistry Laboratory	0	0	2	60	0	40	1
9	EE104L	Basic Electrical Engineering Laboratory	0	0	2	60	0	40	1
10	EXE105L	Basic Electronics Engineering Laboratory	0	0	2	60	0	40	1
11	ICT106L	Basic Computer Programming Laboratory	0	0	2	60	0	40	1
		Total							25

Semester II

Sr. No	Course Code	Name of the course	Teaching Scheme			Evaluation Scheme			Credit
			L	T	P	IA	MSE	ESE	
1	MATH201	Engineering Mathematics-II	3	1	0	20	20	60	4
2	HS202	Communication Skills	3	0	0	20	20	60	3
3	PHY203	Engineering Physics	3	1	0	20	20	60	4
4	ME204	Engineering Graphics	2	0	0	20	20	60	2
5	CV205	Basic Civil Engineering	3	0	0	20	20	60	3
6	CHE206	Energy and Environment Engineering	2	0	0	20	20	60	2
7	HS202L	Communication Skills Laboratory	0	0	2	60	0	40	1
8	PHY203L	Engineering Physics Laboratory	0	0	2	60	0	40	1
9	ME204L	Engineering Graphics Laboratory	0	0	4	60	0	40	2
10	CV205L	Basic Civil Engineering Laboratory	0	0	2	60	0	40	1
11	WS200L	Workshop Practices	0	0	4	60	0	40	2
		Total							25

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
Faculty of Engineering and Technology
Proposed Structure 2016-17
FE(All)

Sub.Code	Semester-I Subject	Contact Hrs/Week				Examination Scheme						Duration of Theory Exam
		L	T	P	Total	CT	TH	TW	P	Total	Credits	
BSH101	Engineering Mathematics-I	4	-	-	4	20	80	-	-	100	4	3
BSH102 / BSH 103	Engineering Physics / Engineering Chemistry and Environmental Science	4	-	-	4	20	80	-	-	100	4	3
MED 104	Engineering Graphics	4	-	-	4	20	80	-	-	100	4	4
EED 105	Basic Electrical Engineering	4	-	-	4	20	80	-	-	100	4	3
CED 106	Basic Civil Engineering	2	-	-	2	10	40	-	-	50	2	2
CSE 107	Computer Fundamentals -1	2	-	-	2	10	40	-	-	50	2	2
BSH-121 / BSH 122	Lab-I/Lab-II Engineering Physics / Engineering Chemistry and Environmental Science	-	-	2	2	-	-	50	-	50	1	
MED123	Lab-III Engineering Graphics	-	-	2	2	-	-	50	-	50	1	
EED 124	Lab-IV Basic Electrical Engineering	-	-	2	2	-	-	50	-	50	1	
CED 125	Lab-V Basic Civil Engineering	-	-	2	2	-	-	50	-	50	1	
CSE 126	Lab-VI Computer Fundamentals-I	-	-	2	2	-	-	50	-	50	1	
MED 127	Lab-VII Workshop Practice -I	20	0	12	32	100	400	300	-	800	26	

Sub.Code	Semester-II Subject	Contact Hrs/Week				Examination Scheme						Duration of Theory Exam
		L	T	P	Total	CT	TH	TW	P	Total	Credits	
BSH 151	Engineering Mathematics-II	4	-	-	4	20	80	-	-	100	4	3
BSH 102 /BSH 103	Engineering Physics / Engineering Chemistry and Environmental Science	4	-	-	4	20	80	-	-	100	4	3
CED 152	Engineering Mechanics	4	-	-	4	20	80	-	-	100	4	3
MED 153	Basic Mechanical Engineering	4	-	-	4	20	80	-	-	100	4	3
ECT 154	Basic Electronics Engineering	2	-	-	2	10	40	-	-	50	2	2
CSE 155	Computer Fundamentals -2	2	-	-	2	10	40	-	-	50	2	2
BSH 121 / BSH 122	Lab-I/Lab-II Engineering Physics / Engineering Chemistry and Environmental Science	-	-	2	2	-	-	50	-	50	1	
CED 171	Lab-VIII Engineering Mechanics	-	-	2	2	-	-	50	-	50	1	
MED 172	Lab-IX Basic Mechanical Engineering	-	-	2	2	-	-	50	-	50	1	
ECT 173	Lab-X Basic Electronics Engineering	-	-	2	2	-	-	50	-	50	1	
CSE 174	Lab-XI Computer Fundamentals -2	-	-	2	2	-	-	50	-	50	1	
MED 175	Lab-XII Workshop Practice -II	-	-	2	2	-	-	50	-	50	1	
		10	0	12	32	100	400	300		800	26	

FACULTY OF ENGINEERING AND TECHNOLOGY
Proposed Revised Structure
 [First Year common to all branches]

Sub No.	SEMESTER-I	Contact Hrs / Week				Examination Scheme					Duration of Theory Examination
	Subject	L	T	P	Total	CT	TH	T W	P	Total	
BSH101	Engineering Mathematics-I	3	1	-	4	20	80	-	-	100	3 Hrs
BSH102/ BSH103	Engineering Physics/ Engineering Chemistry and Environmental science	4	-	-	4	20	80	-	-	100	3 Hrs
MED104	Engineering Graphics	2	-	-	2	20	80	-	-	100	4 Hrs
EED105	Elements of Electrical Engineering	4	-	-	4	20	80	-	-	100	3 Hrs
CED106	Elements of Civil Engineering	4	-	-	4	20	80	-	-	100	3 Hrs
BSH121/ BSH122	Lab I/Lab II Engineering Physics/ Engineering Chemistry and Environmental science	-	-	2	2	-	-	50	-	50	
MED123	Lab III Engineering Graphics	-	-	4	4	-	-	50	-	50	
EED124	Lab IV Elements of Electrical Engineering	-	-	2	2	-	-	50	-	50	
CED125	Lab V Elements of Civil Engineering	-	-	2	2	-	-	50	-	50	
MED126	Lab VI Workshop Practice-I	-	-	2	2	-	-	50	-	50	
	Total	17	1	12	30	100	400	250	-	750	

Sub No.	SEMESTER-II	Contact Hrs / Week				Examination Scheme					Duration of Theory Examination
	Subject	L	T	P	Total	CT	TH	T W	P	Total	
BSH151	Engineering Mathematics-II	3	1	-	4	20	80	-	-	100	3 Hrs
BSH103/ BSH102	Engineering Chemistry and Environmental science/ Engineering Physics	4	-	-	4	20	80	-	-	100	3 Hrs
CED152	Engineering Mechanics	4	-	-	4	20	80	-	-	100	3 Hrs
MED153	Elements of Mechanical Engineering	4	-	-	4	20	80	-	-	100	3 Hrs
EXD154	Elements of Electronics and Computer Engineering	4	-	-	4	20	80	-	-	100	3 Hrs
BSH122/ BSH121	Lab II/Lab I Engineering Chemistry and Environmental science/ Engineering Physics	-	-	2	2	-	-	50	-	50	
CED171	Lab VII Engineering Mechanics	-	-	2	2	-	-	50	-	50	
MED172	Lab VIII Elements of Mechanical Engineering	-	-	2	2	-	-	50	-	50	
EXD173	Lab IX Elements of Electronics and Computer Engineering	-	-	2	2	-	-	50	-	50	
MED174	Lab X Workshop Practice-II	-	-	2	2	-	-	50	-	50	
	Total	19	1	10	30	100	400	250	-	750	

L: Lecture hours per week T: Tutorial hours per week P: Practical hours per week CT: Class Test
 TH: University Theory Examination TW: Term Work P: Practical/Oral Examination

The College/Institute shall divide First Year Divisions in two Groups and offer Engineering Physics in First Semester for First Group of Divisions and Engineering Chemistry and Environmental Science to Second Group of Divisions. In Second Semester the Engineering Physics Group of Divisions shall study Engineering Chemistry and Environmental Science and Engineering Chemistry and Environmental Science Group of Divisions shall study Engineering Physics.

Dr. Babasaheb Ambedkar Technological University, Lonere

Teaching and Evaluation Scheme for First Year B. Tech. (All Branches)

Group B

Course Code	Course Title	Semester I								
		Teaching Scheme			Evaluation Scheme				Credit	
		L	T	P	CA	MSE	ESE	Total		
Mandatory	Induction Program	3-weeks duration in the beginning of semester.								
BTBS101	Engineering Mathematics- I	3	1	-	20	20	60	100	4	
BTBS102	Engineering Chemistry	3	1	-	20	20	60	100	4	
BTES103	Engineering Mechanics	2	1	-	20	20	60	100	3	
BTES104	Computer Programming in C	3	-	-	20	20	60	100	2	
BTES105L	Workshop Practices	-	-	4	60	-	40	100	2	
BTES106	Basic Electrical and Electronics Engineering	2	-	-	50	-	-	50	Audit	
BTBS107L	Engineering Chemistry Lab	-	-	2	60	-	40	100	1	
BTES108L	Engineering Mechanics Lab	-	-	2	60	-	40	100	1	
		13	03	10	370	80	400	850	18	
		25								
Semester II										
BTBS201	Engineering Mathematics-II	3	1	-	20	20	60	100	4	
BTBS202	Engineering Physics	3	1	-	20	20	60	100	4	
BTES203	Engineering Graphics	2	-	-	20	20	60	100	2	
BTHM204	Communication Skills	2	-	-	20	20	60	100	2	
BTES205	Energy and Environment Engineering	2	-	-	20	20	60	100	2	
BTES206	Basic Civil and Mechanical Engineering	2	-	-	50	-	-	50	Audit	
BTBS207L	Engineering Physics Lab	-	-	2	60	-	40	100	1	
BTFS208L	Engineering Graphics Lab	-	-	3	60	-	40	100	2	
BTHM209L	Communication Skills Lab.	-	-	2	60	-	40	100	1	
BTES210S ✓	Seminar	-	-	2	60	-	40	100	1	
BTES211P	Field Training / Internship/Industrial Training (minimum of 4 weeks which can be completed partially in first semester and second Semester or in at one time)	-	-	-	-	-	-	-	Credits To be evaluate d in III Sem.	
		14	02	09	390	100	460	950	19	
		26								