

NORTH MAHARASHTRA UNIVERSITY,

JALGAON (M.S.)

Bachelor of Engineering

Faculty of Science and Technology



'A' Grade
NAAC Re-Accredited
(3rd Cycle)

Syllabus Structure

w.e.f. 2017 – 18

Subject Group Code and Subject Groups

A – Core Engineering Course/ Program specific course

B – Basic Sciences/ Humanities / Social Sciences course

C – Discipline Specific Course / Elective Course

D – Ability Enhancement Course/ Skill development course

E – Interdisciplinary/ Generic Elective course

Syllabus Structure for First Year Engineering (Semester – I)

Course Code	Name of the course	Group	Teaching Scheme				Theory (Marks)		Practical (Marks)		Total (Marks)	Credits
			Teaching Hrs./week	Tut. Hrs./week	PR Hrs./week	Total Hrs./week	ISE	ESE	ICA	ESE		
FEN 101	Applied Physics -I	B	03	--	--	03	40	60	--	--	100	03
FEN 102	Applied Chemistry -I	B	03	--	--	03	40	60	--	--	100	03
FEN 103	Applied Mathematics -I	B	03	01	--	04	40	60	--	--	100	04
FEN 104	Communicative English	D	03	--	--	03	40	60	--	--	100	03
FEN 105	Introduction to Civil Engineering & Engineering Mechanics	A	03	--	--	03	40	60	--	--	100	03
FEN 106	Introduction to Electrical Engineering	A	03	--	--	03	40	60	--	--	100	03
FEN 107	Workshop Practice –I	A	-	--	02	02	--	--	25	--	25	01
FEN 108	Applied Sciences Lab -I	B	--	--	*02	02	--	--	25	--	25	01
FEN 109	Introduction to Civil Engineering & Engineering Mechanics Lab	A	--	--	02	02	--	--	25	25 (OR)	50	01
FEN 110	Introduction to Electrical Engineering Lab	A	--	--	02	02	--	--	25	25 (OR)	50	01
FEN 111	Communicative English Lab	D	--	--	02	02	--	--	25	25 (OR)	50	01
Total			18	01	10	29	240	360	125	75	800	24

ISE: Internal Sessional Examination, **ESE:** End Semester Examination, **ICA:** Internal Continuous Assessment, *Alternate week.

Syllabus Structure for First Year Engineering (Semester – II)

Course Code	Name of the course	Group	Teaching Scheme				Theory (Marks)		Practical (Marks)		Total (Marks)	Credits
			Teaching Hrs./week	Tut. Hrs./week	PR Hrs./week	Total Hrs./week	ISE	ESE	ICA	ESE		
FEN 112	Applied Physics -II	B	03	--	--	03	40	60	--	--	100	03
FEN 113	Applied Chemistry -II	B	03	--	--	03	40	60	--	--	100	03
FEN 114	Applied Mathematics -II	B	03	01	--	04	40	60	--	--	100	04
FEN 115	Introduction to "C" Programming	A	03	--	--	03	40	60	--	--	100	03
FEN 116	Introduction to Mechanical Engineering & Engineering Drawing	A	03	--	--	03	40	60	--	--	100	03
FEN 117	Introduction to Electronics Engineering	A	03	--	--	03	40	60	--	--	100	03
FEN 118	Workshop Practice –II	A	-	--	02	02	--	--	25	--	25	01
FEN 119	Applied Sciences Lab -II	B	--	--	*02	02	--	--	25	--	25	01
FEN 120	Introduction to Mechanical Engineering & Engineering Drawing Lab	A	--	--	02	02	--	--	25	25 (OR)	50	01
FEN 121	Introduction to "C" Programming Lab	A	--	--	02	02	--	--	25	25(OR)	50	01
FEN 122	Introduction to Electronics Engineering Lab	A			02	02	--	--	25	25(OR)	50	01
Total			18	01	10	29	240	360	125	75	800	24

ISE: Internal Sessional Examination, ESE: End Semester Examination, ICA: Internal Continuous Assessment, *Alternate week

Syllabus Structure for Second Year Engineering (Semester – III)

Course Code	Name of the course	Group	Teaching Scheme				Theory (Marks)		Practical (Marks)		Total (Marks)	Credits
			Teaching Hrs./week	Tut. Hrs./week	PR Hrs./week	Total Hrs./week	ISE	ESE	ICA	ESE		
SEN 201		A	03	--	--	03	40	60	--	--	100	03
SEN 202		A	03	--	--	03	40	60	--	--	100	03
SEN 203		A	03	--	--	03	40	60	--	--	100	03
SEN 204		B	03	01	--	04	40	60	--	--	100	04
SEN 205		A	03	--	--	03	40	60	--	--	100	03
SEN 206		A	-	--	02	02	--	--	25	25	50	01
SEN 207		A	--	--	02	02	--	--	25	25	50	01
SEN 208		A	--	--	02	02	--	--	25	25	50	01
SEN 209	Soft skill - I	D	01	--	02	03	--	--	25	--	25	02
SEN 210		D	--	--	02	02	--	--	25	--	25	01
Total			16	01	10	27	200	300	125	75	700	22

ISE: Internal Sessional Examination, ESE: End Semester Examination, ICA: Internal Continuous Assessment *Alternate week

Syllabus Structure for Second Year Engineering (Semester – IV)

Course Code	Name of the course	Group	Teaching Scheme				Theory (Marks)		Practical (Marks)		Total (Marks)	Credits
			Teaching Hrs./week	Tut. Hrs. eek	PR Hrs./week	Total Hrs./week	ISE	ESE	ICA	ESE		
SEN 211		A	03	--	--	03	40	60	--	--	100	03
SEN 212		A	03	--	--	03	40	60	--	--	100	03
SEN 213		A	03	--	--	03	40	60	--	--	100	03
SEN 214		C	03	01	--	04	40	60	--	--	100	04
SEN 215		A	03	--	--	03	40	60	--	--	100	03
SEN 216		A	--	--	02	02	--	--	25	25	50	01
SEN 217		A	--	--	02	02	--	--	25	25	50	01
SEN 218		A	--	--	02	02	--	--	25	25	50	01
SEN 219	Soft skill - II	D	01	--	02	03	--	--	25	--	25	02
SEN 220		D	--	--	02	02	--	--	25	--	25	01
Total			16	01	10	27	200	300	125	75	700	22

ISE: Internal Sessional Examination, ESE: End Semester Examination, ICA: Internal Continuous Assessment *Alternate week

Syllabus Structure for Third Year Engineering (Semester – V)

Course Code	Name of the course	Group	Teaching Scheme				Theory (Marks)		Practical (Marks)		Total (Marks)	Credits
			Teaching Hrs./week	Tut. Hrs./week	PR Hrs./week	Total Hrs./week	ISE	ESE	ICA	ESE		
TEN 301		A	03	--	--	03	40	60	--	--	100	03
TEN 302		A	03	--	--	03	40	60	--	--	100	03
TEN 303		A	03	--	--	03	40	60	--	--	100	03
TEN 304		C	03	01	--	04	40	60	--	--	100	04
TEN 305		A	03	--	--	03	40	60	--	--	100	03
TEN 306		A	-	--	02	02	--	--	25	25	50	01
TEN 307		A	--	--	02	02	--	--	25	25	50	01
TEN 308		A	--	--	02	02	--	--	25	25	50	01
TEN 309	Soft skill - III	D	01	--	02	03	--	--	25	--	25	02
TEN 310	Industrial Training	D	--	--	02	02	--	--	25	--	25	01
Total			16	01	10	27	200	300	125	75	700	22

ISE: Internal Sessional Examination, **ESE:** End Semester Examination, **ICA:** Internal Continuous Assessment *Alternate week

Syllabus Structure for Third Year Engineering (Semester – VI)

Course Code	Name of the course	Group	Teaching Scheme				Theory (Marks)		Practical (Marks)		Total (Marks)	Credits
			Teaching Hrs./week	Tut. Hrs./week	PR Hrs./week	Total Hrs./week	ISE	ESE	ICA	ESE		
TEN 311		A	03	--	--	03	40	60	--	--	100	03
TEN 312		A	03	--	--	03	40	60	--	--	100	03
TEN 313		A	03	--	--	03	40	60	--	--	100	03
TEN 314		C	03	01	--	04	40	60	--	--	100	04
TEN 315		A	03	--	--	03	40	60	--	--	100	03
TEN 316		A	-	--	02	02	--	--	25	25	50	01
TEN 317		A	--	--	02	02	--	--	25	25	50	01
TEN 318		A	--	--	02	02	--	--	25	25	50	01
TEN 319	Minor Project	D	01	--	02	03	--	--	25	--	25	02
TEN 320	Entrepreneurship Development Program	D	--	--	02	02	--	--	25	--	25	01
Total			16	01	10	27	200	300	125	75	700	22

ISE: Internal Sessional Examination, **ESE:** End Semester Examination, **ICA:** Internal Continuous Assessment *Alternate week

Syllabus Structure for Final Year Engineering (Semester – VII)

Course Code	Name of the course	Group	Teaching Scheme				Theory (Marks)		Practical (Marks)		Total (Marks)	Credits
			Teaching Hrs./week	Tut. Hrs./ week	PR. Hrs./week	Total Hrs./week	ISE	ESE	ICA	ESE		
BEN 401		A	03	--	--	03	40	60	--	--	100	03
BEN 402		A	03	--	--	03	40	60	--	--	100	03
BEN 403	Interdisciplinary	E	03	--	--	03	40	60	--	--	100	03
BEN 404	Elective-I	C	03	--	--	03	40	60	--	--	100	03
BEN 405		A	-	--	02	02	--	--	25	25	50	01
BEN 406	Application Software Training-I	D	--	--	02	02	--	--	25	--	25	01
BEN 407	Seminar –I	E	--	--	02	02	--	--	25	25	50	02
BEN 408	Industrial Visit	D	--	--	--	--	--	--	25	--	25	02
BEN 409	Project-I	A	--	--	02	02	--	--	50	100	150	04
Total			12	--	08	20	160	240	150	150	700	22

ISE: Internal Sessional Examination, **ESE:** End Semester Examination, **ICA:** Internal Continuous Assessment *Alternate week

Syllabus Structure for Final Year Engineering (Semester – VIII)

Course Code	Name of the course	Group	Teaching Scheme				Theory (Marks)		Practical (Marks)		Total (Marks)	Credits
			Teaching Hrs./ Week	Tut. Hrs./week	PR Hrs./week	Total Hrs./week	ISE	ESE	ICA	ESE		
BEN 410		A	03	--	--	03	40	60	--	--	100	03
BEN 411		A	03	--	--	03	40	60	--	--	100	03
BEN 412	Interdisciplinary	E	03	--	--	03	40	60	--	--	100	03
BEN 413	Elective-II	C	03	--	--	03	40	60	--	--	100	03
BEN 414		A	-	--	02	02	--	--	25	25	50	01
BEN 415	Application Software Training - II	D	--	--	02	02	--	--	25	--	25	01
BEN 416	Seminar – II	E	--	--	02	02	--	--	25	25	50	02
BEN 417	Project – II	A	--	--	04	04	--	--	50	100	150	04
BEN418	Industrial Lecture	D	--	--	*01	01	--	--	25	--	25	02
Total			12	00	11	23	160	240	150	150	700	22

ISE: Internal Sessional Examination, **ESE:** End Semester Examination, **ICA:** Internal Continuous Assessment *Alternate week

