

B.E. in Marine Engineering Scheme of Teaching and Examinations 2025 Outcome-Based Education (OBE) and Choice-Based Credit System (CBCS) (Effective from the academic year 2025-26)															
III SEMESTER															
Sl. No.	Course	Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)		Teaching & Learning Scheme				Examination				Credits	
						CI		LI	#TW & SL	# TH/S	Duration in hours	CIE Marks	SEE Marks		Total Marks
						L	T	P							
1	ASC	1BMATM301	Transforms and Statistics	Mathematics Department		42	28	0	50	120	3	50	50	100	4
2	IPCC	1BMR302	Manufacturing Processes	Marine / Mechanical Engg.		42	0	28	50	120	3	50	50	100	4
3	PCC	1BAU303	Engineering Thermodynamics	Marine / Mechanical Engg.		42	0	0	48	90	3	50	50	100	3
4	PCC	1BME304	Mechanics of Materials	Marine / Mechanical Engg.		42	0	0	48	90	3	50	50	100	3
5	PCC	1BMR305	Material Science and Measurement Systems	Marine / Mechanical Engg.		42	0	0	48	90	3	50	50	100	3
6	PCCL	1BMEL306	Computer Aided Machine Drawing Lab	Marine / Mechanical Engg.		0	0	56	4	60	2	50	50	100	2
7	AEC	1BMEL307x	Ability Enhancement Course Laboratory	Marine / Mechanical Engg.		0	0	28	2	30	2	50	50	100	1
8	SDC	1BCP308	Community Project (Project-Based Learning) / Societal Project	Marine Engg.		0	0	0	30	30	2	50	50	100	1
9	NCMC	1BNSS309	National Service Scheme (NSS)	Campus	NSS coordinator	0	0	0	28	28	--	100	---	100	PP
		1BPE309	Physical Education (PE) (Sports and Athletics)												
		1BYOG309	Yoga												
		1BMUK309	Music												
Total												500	400	900	21
10	NCMC	1BMATDIP310	Mathematics course for Lateral Entry Students	Mathematics Department		14	0	0	14	28	3	100	---	100	PP
Total										686		600	400	1000	21

TH/S- Total Hours per Semester, TW & SL- Term Work & Self Learning

Ability Enhancement Course (Laboratory) 1BMEL307x			
1BMEL307A	MATLAB for Engineering Computation	1BMEL307C	Spread Sheet for Engineers
1BMEL307B	Virtual Reality	1BMEL307D	Prompt Engineering

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IV SEMESTER															
Sl. No.	Course	Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching & Learning Scheme					Examination				Credits	
					CI		LI	#TW & SL	# TH/S	Duration in hours	CIE Marks	SEE Marks	Total Marks		
					L	T	P								
1	ASC	1BMATM401	Complex Analysis and Probability Distributions	Mathematics Department	42	0	0	48	90	3	50	50	100	3	
2	IPCC	1BMR402	Fluid Mechanics & Machinery	Marine / Mechanical Engg.	42	0	28	50	120	3	50	50	100	4	
3	PCC	1BAU403	Theory of Machines	Marine / Mechanical Engg.	42	28	0	50	120	3	50	50	100	4	
4	PCC	1BMR404	Marine Electrical Technology	Marine Engineering	42	0	0	48	90	3	50	50	100	3	
5	PCCL	1BMEL405	Mechanical Measurements and Metrology Lab	Marine / Mechanical Engg.	0	0	28	02	30	2	50	50	100	1	
6	AEC	1BMEL406x	Ability Enhancement Course Laboratory	Marine / Mechanical Engg.	0	0	28	02	30	2	50	50	100	1	
7	BSC	1BMR407	Biology for Engineers	Marine / Mechanical Engg.	28	0	0	32	60	3	50	50	100	2	
8	SDC	1BEP408	Environmental Science Project	Marine Engineering	0	0	0	30	30	3	50	50	100	1	
9	PCC	1BMR409	Basic Ship Knowledge and Watchkeeping	Marine / Mechanical Engg.	42	0	0	48	90	3	50	50	100	3	
10	NCMC	1BNSK409	National Service Scheme (NSS)	Campus	NSS coordinator	0	0	0	28	28	-	100	--	100	PP
		1BPEK409	Physical Education (PE) (Sports and Athletics)		Physical Education Director										
		1BYOK409	Yoga		Yoga Teacher										
		1BMUS409	Music		Music Teacher										
Total											550	450	1000	22	
11	NCMC	1BMATDIP410	Mathematics course for Lateral Entry Students	TD/PSB -Maths Dept	14	0	0	14	28	--	100	--	100	PP	
Total									688		650	450	1100	22	

Ability Enhancement Course (Laboratory) 1BMEL406x

1BMEL406A	Machine Learning using Python	1BMEL406C	Simulation of Kinematic Systems
1BMEL406B	PLC and Automation	1BMEL406D	Surface Modelling