

COURSE NAME : BE - MARINE ENGINEERING
SEMESTER : I

Sl. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	UCLEC01	TECHNICAL ENGLISH-I	2	2	0	0	100
2	UBMTC01	Engineering Mathematics-I	4	3	1	0	100
3	UCPHC01	Engineering Physics-I	3	3	0	0	100
4	UBEEC01	Basics of Electrical & Electronics Engineering	3	3	0	0	100
5	UBMCC03	Engineering Mechanics	4	3	1	0	100
6	UBBTC01	Environmental Studies	2	2	0	0	100
7	UCPHCPA	Engineering Physics Laboratory	1	0	0	2	100
8	UBEECPA	Basics of Electrical & Electronics Engineering Laboratory	1	0	0	2	100
9	UBWSCPA	Engineering Practices Laboratory - I	2	0	0	4	100
10	UBLEC01	Spoken English-I	2	0	0	3	100
TOTAL			24	16	2	11	
TOTAL: 29 Periods / Week + 1 Seminar							

*** Note: For DGS Programme one credit is allotted for the PT/Parade/Games.**

COURSE NAME : BE - MARINE ENGINEERING
SEMESTER : II

Sl. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	UCLEC01	Technical English-II	2	2	0	0	100
2	UBMTC02	Engineering Mathematics-II	4	3	1	0	100
3	UCPH CO2	Engineering Physics-II	3	3	0	0	100
4	UBCHC01	Engineering Chemistry	3	3	0	0	100
5	UBITC01	Fundamentals of Computer Programming	3	3	0	0	100
6	UBMCCPA	Engineering Graphics	3	0	2	2	100
7	UBCHCPA	Engineering Chemistry Laboratory	1	0	0	2	100
8	UBWSCP B	Engineering Practices Laboratory - II	2	0	0	4	100
9	UBITCPA	Fundamental of Computer Programming Laboratory	1	0	0	2	100
10	UBLEC01	Spoken English -II	2	0	0	3	100
TOTAL			24	14	3	13	
TOTAL: 30 Periods / Week							

* Note: For DGS Programme one credit is allotted for the PT/Parade/Games.

COURSE NAME : BE - MARINE ENGINEERING
SEMESTER : III

Sl. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	UBMCC06	Material Science	2	2	0	0	100
2	UBNA301	Ship Construction	3	3	0	0	100
3	UBME301	Marine Refrigeration & Air Conditioning	3	3	0	0	100
4	UBEE307	Integrated Circuits	2	2	0	0	100
5	UBEE305	Electrical Machines	3	3	0	0	100
6	UBMCC11	Thermodynamics	3	3	0	0	100
7	UBMCC09	Strength of Materials	3	3	0	0	100
8	UBEE3PC	Electrical Machines & Integrated Circuit Laboratory	1	0	0	2	100
9	UBMC3PE	Machine Drawing	1	0	0	2	100
10	UBWSCPC	Engineering Practices Laboratory - III	2	0	0	4	100
11	UBLEC01	Spoken English-III	2	0	0	2	100
12	UBSPCPA	PT/PARADE/GAMES-I	1	0	0	0	100
TOTAL			26	19	0	10	
TOTAL: 29 Periods / Week + 1 Seminar							

COURSE NAME : BE - MARINE ENGINEERING
SEMESTER : IV

Sl. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	UBMCC04	Fluid Mechanics	3	3	0	0	100
2	UBEE408	Microprocessor & Microcontroller	2	2	0	0	100
3	UBME402	Marine Boilers & Steam Engineering	3	3	0	0	100
4	UBMC403	Pumps & Pumping System	2	2	0	0	100
5	UBMCC10	Thermal Engineering	3	3	0	0	100
6		Core Elective Course-I	3	3	0	0	100
7	UBEE4PC	Marine Electrical , Microprocessor & Micro Controller Laboratory	1	0	0	2	100
8	UBME4PB	Basic Fire Fighting Laboratory	1	0	0	2	100
9	UBMCCPC	Fluid Mechanics Laboratory	1	0	0	2	100
10	UBWSCPD	Engineering Practices Laboratory – IV	2	0	0	3	100
11	UBMCCPH	Thermal Engineering Laboratory	1	0	0	2	100
12	UBLEC01	Spoken English –IV	2	0	0	2	100
13	UBSPCPB	PT/PARADE/GAMES-II	1	0	0	0	100
TOTAL			25	16	0	13	
CORE ELECTIVE COURSES-I:							
01	UBME404	Fuel & Lubrication Technology	3	3	0	0	100
02	UBME405	Fabrication Technology	3	3	0	0	100
TOTAL: 29 Periods / Week + 1 Seminar							

COURSE NAME : BE - MARINE ENGINEERING
SEMESTER : V

Sl. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	UBME501	Marine Auxiliary Machinery & Ship Fire Prevention & Control – I	4	4	0	0	100
2	UBME502	Marine Internal Combustion Engines-I	4	4	0	0	100
3	UBMCC07	Mechanics of Machines	3	3	0	0	100
4	UBEE507	Marine Electrical Technology	3	3	0	0	100
5	UBEE510	Power Electronics, High voltage & Electric Propulsion	4	4	0	0	100
6		Open Elective Course-II	2	2	0	0	100
7		Core Elective Course-I	3	3	0	0	100
8	UBEE5PD	Marine Electrical Technology Laboratory	1	0	0	2	100
9	UBEE5PE	PLC Laboratory	1	0	0	2	100
10	UBSPCPC	PT/PARADE/GAMES-III	1	0	0	0	100
TOTAL			27	23	0	6	
OPEN ELECTIVE COURSES-I:							
1	UBME506	Engine Inspection & Repair	2	2	0	0	100
2	UBME508	Pump Operation and Maintenance	2	2	0	0	100
CORE ELECTIVE COURSES-II:							
1	UBME504	Renewable Energy Applied for Marine Engineering	3	3	0	0	100
2	UBME505	Safety and Resources Management on board ships	3	3	0	0	100
TOTAL: 29 Periods / Week + 1 Seminar							

COURSE NAME : BE - MARINE ENGINEERING
SEMESTER : VI

Sl. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	UBME601	Marine Auxiliary Machinery and Ship Fire Prevention & Control –II	4	4	0	0	100
2	UBME602	Marine Internal Combustion Engines-II	4	4	0	0	100
3	UBMCC02	Design of Transmission systems	4	4	0	0	100
4	UBNAC01	Naval Architecture-I	3	3	0	0	100
5	UBMCC05	Pneumatics, Hydraulics & Electrical Control Systems	3	3	0	0	100
6		Core Elective Course-III	3	3	0	0	100
7		Open Elective Course-II	2	2	0	0	100
8	UBME6PA	Marine Equipment Drawing	2	0	0	3	100
9	UBMCCPB	Pneumatics, Hydraulics & Electrical Control System Laboratory	1	0	0	2	100
10	UBLECPG	Personality Development Programme – II	1	0	0	2	100
11	UBSPCPD	PT/PARADE/GAMES-IV	1	0	0	0	100
TOTAL			28	23	0	7	
CORE ELECTIVE COURSES-III							
1	UBME603	Surface Engineering and Coating Technology	3	3	0	0	100
2	UBME604	Emergency Management & Damage Control	3	3	0	0	100
OPEN ELECTIVE COURSES-I							
1	UBME605	Refrigeration & Air conditioning	2	2	0	0	100
2	UBME606	Material handling Equipments	2	2	0	0	100
TOTAL: 30 Periods / Week							

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SEMESTER : VII

Sl. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	UBME701	International Maritime Organization & International Convention	3	3	0	0	100
2	UBEEC02	Marine Control Engineering & Automation	3	3	0	0	100
3	UBEE708	Instrumentation & Control	3	3	0	0	100
4	UBNAC02	Naval Architecture II	3	3	0	0	100
5	UBBS701	Industrial Management	2	2	0	0	100
6	UBBS702	Shipboard Leadership & Management	3	3	0	0	100
7	UBME703	Marine Environmental Protection	2	2	0	0	100
8		Core Elective Course-IV	3	3	0	0	100
9	UBEE7PB	Automation Laboratory	1	0	0	2	100
10	UBME7PA	Marine Engineering Practice	2	0	2	0	100
11	UBME7PB	Project Work – Phase-I	2	0	0	4	100
12	UBSPCPE	PT/PARADE/GAMES-V	1	0	0	0	100
TOTAL			28	22	2	6	
CORE ELECTIVE COURSES-IV:							
1	UBME705	Dry Docking and Ship Repair	3	3	0	0	100
2	UBME706	Energy Efficient Ship Operation	3	3	0	0	100
TOTAL: 30 Periods / Week							

COURSE NAME : BE - MARINE ENGINEERING
SEMESTER : VIII

Sl. No	SUB CODE	SUBJECT TITLE	C	L	T	P	M
1	UBME801	Ship Construction & Stability and Environment Protection	2	2	0	4	100
2	UBME802	Engineering Knowledge (General & Motor)	2	2	0	4	100
3	UBME803	Electro Technology	2	2	0	4	100
4	UBME804	Watch Keeping	2	2	0	4	100
5	UBME8PA	Marine Engineering Practice	2	2	0	4	100
6	UBME8PB	Viva Voce	1	0	0	0	100
7	UBME8PC	Marine Electrical Workshop	2	0	0	4	100
8	UBME8PD	Project Work (completion)	6	0	0	6	100
9	UBISCPX	Internship	2	0	0	0	100
10	UBSPCPF	PT/PARADE/GAMES-VI	1	0	0	0	100
TOTAL			22	10	0	30	
TOTAL: 30 Periods / Week							