

CURRICULUM for B.SC NAUTICAL SCIENCE

(ACADEMIC YEAR 2024-2027)

SEMESTER: I

S. No	COURSE CODE	COURSE CATEGORY	COURSE TITLE	Contact Hours	L	T	P	C
THEORY								
1	246EN1A12TA	HS	Communicative English –I	2	2	0	0	2
2	246MA1A11TA	BS	Nautical Mathematics – I	3	2	1	0	3
3	246PH1A11TA	BS	Nautical Physics & Electronics- I	3	2	1	0	3
4	241NS1A14TA	PC	Ship Construction -1	2	2	0	0	2
5	241NS1A14TB	PC	Ship Operation Technology – I	2	2	0	0	2
6	241NS1A14TC	PC	Cargo Handling and Stowage – I	3	2	1	0	3
PRACTICAL								
7	241NS1A14PD	PC	Rule of the Road- I	2	0	0	2	1
8	244CS1A13PA	ES	Foundation of Information Technology – Laboratory	4	0	0	4	2
9	241NS1A14PE	PC	Ship Operation Technology Laboratory – I	2	0	0	2	1
10	246PH1A11PA	BS	Nautical Physics & Electronics Lab – I	2	0	0	2	1
11	249PE1A10PA		PT/Parade/ Games - I	2	0	0	2	1
Total				27	12	3	12	21

Note: L- Lecture T- Tutorial P – Practical C- Credit

Course Category:

HSS-Humanities and social sciences

MC-Management Courses

PC-Professional Courses

PE-Professional Elective

BS-Basic Science

ES-Engineering Science

OE-Open Elective

M-Mandatory

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S. No	COURSE CODE	COURSE CATEGORY	COURSE TITLE	Contact Hours	L	T	P	C
THEORY								
1	246EN1A22TB	HS	Communicative English – II	2	2	0	0	2
2	246MA1A21TB	BS	Nautical Mathematics – II	3	2	1	0	3
3	246PH1A21TG	BS	Nautical Physics & Electronics – II	3	2	1	0	3
4	241NS1A24TA	PC	Navigation – I	3	2	1	0	3
5	241NS1A24TB	PC	Bridge Equipment & Bridge Resource Management-I	2	2	0	0	2
6	241NS1A24TC	PC	Ship Construction – II	2	2	0	0	2
PRACTICAL								
7	241NS1A24PD	PC	Rule of the Road- II	2	0	0	2	1
8	241NS1A24PE	PC	Ship Operation Technology Laboratory – II	2	0	0	2	1
9	246PH1A21PG	BS	Nautical Physics & Electronics Lab – II	2	0	0	2	1
10	246EN1A12PA	EEC	Personality development program-I	2	0	0	2	1
11	249PE1A10PB		PT/Parade/ Games - II	2	0	0	2	1
Total				25	12	3	10	20

CURRICULUM for B.SC NAUTICAL SCIENCE**(ACADEMIC YEAR 2024-2027)****SEMESTER: III**

S. No	COURSE CODE	COURSE CATEGORY	COURSE TITLE	Contact Hours	L	T	P	C
THEORY								
1	241NS1A34TA	PC	Navigation – II	3	2	1	0	3
2	241NS1A34TB	PC	Bridge Equipment & Bridge Resource Management-II	2	2	0	0	2
3	241NS1A34TC	PC	Ship Stability – I	3	2	1	0	3
4	241NS1A34TD	PC	Ship Operation Technology – II	2	2	0	0	2
5	241NS1A34TE	PC	Cargo Handling and Stowage – II	3	2	1	0	3
6	241NS1A34TF	PC	Maritime law-I	2	2	0	0	2
7	241MC1A33TA	ES	Marine Engr. Automation Control System-I	2	2	0	0	2
PRACTICAL								
8	241NS1A34PG	PC	Rules of the Road-III	2	0	0	2	1
9	241NS1A34PH	PC	Ship Operation Technology Laboratory-III	2	0	0	2	1
10	241MW1A33PA	ES	Marine Workshop Practice – I	2	0	0	2	1
11	246EN1A32PH	EEC	Interpersonal Communication	2	0	0	2	1
12	249PE1A10PC		PT/Parade/ Games - III	2	0	0	2	1
Total				27	14	3	10	22

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SEMESTER: IV

S. No	COURSE CODE	COURSE CATEGORY	COURSE TITLE	Contact Hours	L	T	P	C
THEORY								
1	241NS1A44TA	PC	Navigation – III	3	2	1	0	3
2	241NS1A44TB	PC	Bridge Equipment & Bridge Resource Management-III	2	2	0	0	2
3	241NS1A44TC	PC	Ship Stability – II	3	2	1	0	3
4	241NS1A44TD	PC	Ship Operation Technology – III	2	2	0	0	2
5	241NS1A44TE	PC	Cargo Handling And Stowage – III	3	2	1	0	3
6	241NS1A44TF	PC	Meteorology – I	3	2	1	0	3
7	241NS1A44TG	PC	Marine Law II	2	2	0	0	2
8		PE	Professional Elective Course-I	2	2	0	0	2
PRACTICAL								
9	241MW1A43PB	ES	Marine Workshop Practice – II	2	0	0	2	1
10	UFLCPD	EEC	Professional Communication	2	0	0	2	1
11	241NS1A44PJ	PC	Chart work and Voyage Planning –I	3	0	0	3	2
12	249PE1A10PD		PT/Parade/ Games - IV	2	0	0	2	1
Total				29	16	4	9	25
Professional Elective Course-I								
1	241NS1A44TH	PE	Polar Navigation					
2	241NS1A44TI	PE	Shipboard communication and Procedures –I					

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(ACADEMIC YEAR 2024-2027) SEMESTER: V

S. No	COURSE CODE	COURSE CATEGORY	COURSE TITLE	Contact Hours	L	T	P	C
THEORY								
1	241NS1A54TA	PC	Navigation – IV	3	2	1	0	3
2	241NS1A54TB	PC	Bridge Equipment & Bridge Resource Management-IV	2	2	0	0	2
3	241NS1A54TC	PC	Ship Stability – III	3	2	1	0	3
4	241NS1A54TD	PC	Maritime Commerce	2	2	0	0	2
5	241NS1A54TE	PC	Meteorology – II	3	2	1	0	3
6	241NS1A54TF	PC	Maritime law-III	2	2	0	0	2
7		PE	Professional Elective Course-II	2	2	0	0	2
8		ES	Open Elective Course-I	3	2	1	0	3
PRACTICAL								
9	241NS1A54PI	PC	Chart work and Voyage Planning –II	3	0	0	3	2
10	241ME1A53PC	ES	Marine Workshop Practice – III	2	0	0	2	1
11		EEC	Personality Development Program – I	2	0	0	2	1
12	249PE1A10PE		PT/Parade/ Games - IV	2	0	0	2	1
Total				29	16	4	9	25
PROFESSIONAL ELECTIVE COURSE-II								
1	241NS1A54TG	PE	Shipboard Communication and procedures II					
2	241NS1A54TH	PE	Pump Operation & Maintenance					
OPEN ELECTIVE COURSE-I								
1		ES	MOOC/NPTEL Program					
2		ES	Satellite Communication					

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SEMESTER: VI

S. No	COURSE CODE	COURSE CATEGORY	COURSE TITLE	Contact Hours	L	T	P	C
THEORY								
1	241NS1A64TA	PC	Maritime Management	2	2	0	0	2
2	241NS1A64TB	PC	Ship Operation Technology – IV	2	2	0	0	2
3	241NS1A64TC	PC	Cargo Handling and Stowage – IV	3	2	1	0	3
4	241NS1A64TD	PC	Ship Stability-IV	3	2	1	0	3
5	246BT1A63TA	PE	Environmental Studies	2	2	0	0	2
6	241MC1A63TB	ES	Marine Engr. Auto. Control Systems – II	2	2	0	0	2
7		ES	Open Elective Course-I	3	2	1	0	3
PRACTICAL								
8	241NS1A64PE	PC	Chart work and Voyage Planning –III and ECDIS	3	0	0	3	2
9		EEC	Personality Development Program – II	2	0	0	2	1
10	241NS1A64PF	PC	Ship Operation Technology Laboratory – IV	2	0	0	2	1
11	241NS1A64PG	PC	Simulator	2	2	0	2	1
11	249PE1A10PF		PT/Parade/ Games - IV	2	0	0	2	1
Total				26	16	3	9	22
Open Elective Course-I:								
1		ES	MOOC/NPTEL Program					