

## NAVIGATION-II

1	Course Title:	NAVIGATION-II
2	Course Code:	DLIS102
3	Type of Course:	Optional
4	Level of Course:	Short Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	1.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	-
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr.Gör. MURAT TACAR
15	Course Lecturers:	Öğr.Gör. Kpt. Ömer GAYIR
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi Gemlik Asım Kocabıyık Meslek Yüksekokulu Deniz ve Liman İşletmeciliği Programı 16600 Gemlik/Bursa Telefon: 0 224 512 3491 E-Posta: emtacar@uludag.edu.tr
17	Website:	
18	Objective of the Course:	Terrestrial Navigation has been prepared to give the students necessary knowledge for terrestrial navigation.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	describe the history of navigation.
	2	apply various navigation techniques in marine navigation charts
	3	use difference nautical table and marine navigation charts.
	4	describe the marine navigation charts abbreviations and symbols.
	5	define light and fog signals
	6	
	7	
	8	
	9	
	10	
21	Course Content:	
	<b>Course Content:</b>	
Week	Theoretical	Practice
1	Definition and history of navigation, development of nautical instruments.	
2	The earth's shape, latitudes, longitudes, difference of latitudes and longitudes.	

3	Definition of distance and direction at sea. Tools and materials used in the navigation.	
4	Compass and compass use	
5	Chart projections, specifications of the marine navigation charts.	
6	Chart catalogues and usage.	
7	Drawing a small area mercator chart, comparing the mercator projection with other kind of projections.	
8	REVIEW and MIDTERM EXAM	
9	The use of symbols and abbreviations books and use of notice to mariners.	
10	Chart corrections.	
11	Nautical publications and specifications.	
12	Lights and fog signals, light characteristics and specifications.	
13	Using of lighthouse books, lighthouse in the distance appear, belonging to abbreviations of lighthouse.	
14	Fog signs, buoyage systems, introduction to system A and B symbols of the buoys on the charts. Showing lateral and cardinal signs on map.	

22	Textbooks, References and/or Other	Bowditch, N. 2002; The American Practical Navigator,		
Activites		Number	Duration (hour)	Total Work Load (hour)
23	Theoretical Assessment	14	1.00	14.00
Practicals/Labs		14	2.00	28.00
Self study and preparation		14	2.00	28.00
Midterm Exam		1	40.00	
Homeworks		2	3.00	6.00
Projects		0	0.00	0.00
Home work-project		2	10.00	
Field Studies		0	0.00	0.00
Midterm exams		1	2.00	2.00
Total		4	100.00	
Others		2	2.00	4.00
Completion of Term (Year) Learning Activities		0	0.00	
Final Exam		1	2.00	2.00
Total Work Load				84.00
Total work load/ 30 hr				2.80
Total		100.00		
ECTS Credit of the Course				3.00
Measurement and Evaluation Techniques Used in the Course				

24	<b>ECTS / WORK LOAD TABLE</b>
----	-------------------------------

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	0	4	0	0	0	2	0	0	2	0	3	0	0	0	0
ÖK2	2	0	5	0	0	0	3	0	0	3	0	3	0	0	0	0
ÖK3	2	0	5	0	0	0	3	0	0	3	0	3	0	0	0	0

ÖK4	4	0	5	0	0	0	3	0	0	2	1	0	0	0	0	0
ÖK5	3	0	5	0	0	0	2	0	0	3	2	0	2	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			