	MARINE METEOROLOGY									
1	Course Title:	MARINE METEOROLOGY								
2	Course Code:	DLIS216								
3	Type of Course:	Optional								
4	Level of Course:	Short Cycle								
5	Year of Study:	2								
6	Semester:	4								
7	ECTS Credits Allocated:	3.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	-								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Öğr. Gör. İBRAHİM SAPMAZ								
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretin elemanları.								
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:									
17	Website: Objective of the Course:	Student -understands and describes the elements of meteorology - measures and evaluates the elements of meteorology -receives and assess weather forecasts, then takes appropriate action In port or during the course; By measuring meteorological elements, assessment, and will take appropriate action.								
		measures and evaluates the elements of meteorology -receives and assess weather forecasts, then takes appropriate action In port or during the course; By measuring meteorological elements,								
18	Objective of the Course: Contribution of the Course to	measures and evaluates the elements of meteorology -receives and assess weather forecasts, then takes appropriate action In port or during the course; By measuring meteorological elements, assessment, and will take appropriate action. It makes evaluations about atmospheric conditions by making								
18	Objective of the Course: Contribution of the Course to Professional Development:	measures and evaluates the elements of meteorology -receives and assess weather forecasts, then takes appropriate action In port or during the course; By measuring meteorological elements, assessment, and will take appropriate action. It makes evaluations about atmospheric conditions by making								
18	Objective of the Course: Contribution of the Course to Professional Development:	measures and evaluates the elements of meteorology -receives and assess weather forecasts, then takes appropriate action In port or during the course; By measuring meteorological elements, assessment, and will take appropriate action. It makes evaluations about atmospheric conditions by making observations with weather forecast reports. 1 Understand the atmosphere and be able to explain its								
18	Objective of the Course: Contribution of the Course to Professional Development:	measures and evaluates the elements of meteorology -receives and assess weather forecasts, then takes appropriate action In port or during the course; By measuring meteorological elements, assessment, and will take appropriate action. It makes evaluations about atmospheric conditions by making observations with weather forecast reports. 1 Understand the atmosphere and be able to explain its relation with sea and maritime activities.								
18	Objective of the Course: Contribution of the Course to Professional Development:	measures and evaluates the elements of meteorology -receives and assess weather forecasts, then takes appropriate action In port or during the course; By measuring meteorological elements, assessment, and will take appropriate action. It makes evaluations about atmospheric conditions by making observations with weather forecast reports. 1 Understand the atmosphere and be able to explain its relation with sea and maritime activities. 2 Describe the meteorological properties of Troposphere 3 Understand and explain weather and sea interaction and								
18	Objective of the Course: Contribution of the Course to Professional Development:	measures and evaluates the elements of meteorology -receives and assess weather forecasts, then takes appropriate action In port or during the course; By measuring meteorological elements, assessment, and will take appropriate action. It makes evaluations about atmospheric conditions by making observations with weather forecast reports. 1 Understand the atmosphere and be able to explain its relation with sea and maritime activities. 2 Describe the meteorological properties of Troposphere 3 Understand and explain weather and sea interaction and meteorological conditions								
18	Objective of the Course: Contribution of the Course to Professional Development:	measures and evaluates the elements of meteorology -receives and assess weather forecasts, then takes appropriate action In port or during the course; By measuring meteorological elements, assessment, and will take appropriate action. It makes evaluations about atmospheric conditions by making observations with weather forecast reports. 1 Understand the atmosphere and be able to explain its relation with sea and maritime activities. 2 Describe the meteorological properties of Troposphere 3 Understand and explain weather and sea interaction and meteorological conditions 4 Forecast weather condition 5 Present before an audience the results and outcome of								
18	Objective of the Course: Contribution of the Course to Professional Development:	measures and evaluates the elements of meteorology -receives and assess weather forecasts, then takes appropriate action In port or during the course; By measuring meteorological elements, assessment, and will take appropriate action. It makes evaluations about atmospheric conditions by making observations with weather forecast reports. 1 Understand the atmosphere and be able to explain its relation with sea and maritime activities. 2 Describe the meteorological properties of Troposphere 3 Understand and explain weather and sea interaction and meteorological conditions 4 Forecast weather condition 5 Present before an audience the results and outcome of any exercise								
18	Objective of the Course: Contribution of the Course to Professional Development:	measures and evaluates the elements of meteorology -receives and assess weather forecasts, then takes appropriate action In port or during the course; By measuring meteorological elements, assessment, and will take appropriate action. It makes evaluations about atmospheric conditions by making observations with weather forecast reports. 1 Understand the atmosphere and be able to explain its relation with sea and maritime activities. 2 Describe the meteorological properties of Troposphere 3 Understand and explain weather and sea interaction and meteorological conditions 4 Forecast weather condition 5 Present before an audience the results and outcome of any exercise								
18	Objective of the Course: Contribution of the Course to Professional Development:	measures and evaluates the elements of meteorology -receives and assess weather forecasts, then takes appropriate action In port or during the course; By measuring meteorological elements, assessment, and will take appropriate action. It makes evaluations about atmospheric conditions by making observations with weather forecast reports. 1 Understand the atmosphere and be able to explain its relation with sea and maritime activities. 2 Describe the meteorological properties of Troposphere 3 Understand and explain weather and sea interaction and meteorological conditions 4 Forecast weather condition 5 Present before an audience the results and outcome of any exercise 6 7								
18	Objective of the Course: Contribution of the Course to Professional Development:	measures and evaluates the elements of meteorology -receives and assess weather forecasts, then takes appropriate action In port or during the course; By measuring meteorological elements, assessment, and will take appropriate action. It makes evaluations about atmospheric conditions by making observations with weather forecast reports. 1								
18	Objective of the Course: Contribution of the Course to Professional Development:	measures and evaluates the elements of meteorology -receives and assess weather forecasts, then takes appropriate action In port or during the course; By measuring meteorological elements, assessment, and will take appropriate action. It makes evaluations about atmospheric conditions by making observations with weather forecast reports. 1								
18	Objective of the Course: Contribution of the Course to Professional Development: Learning Outcomes:	measures and evaluates the elements of meteorology -receives and assess weather forecasts, then takes appropriate action In port or during the course; By measuring meteorological elements, assessment, and will take appropriate action. It makes evaluations about atmospheric conditions by making observations with weather forecast reports. 1								

an Me Re atı At	ETEOROLOGY - Atmosphere Description			
Me Re atı At				
Re atı At	nd Important Branch of Meteorology, Marine			
atı At	eteorology, Marine Meteorology and elated Activities, A Description of the			
At	mosphere, Atmospheric Composition,			
2 H	tmospheric Floor, Standard Atmosphere			
	EAT, TEMPARATURE Air Temperature,			
	easurement of Temperature, Temperature			
	hanges, Vertical Air Motion Effects of emperature, Temperature Measuring			
Ins	struments, The Control of The			
Th	nermometers And Thermography			
	TMOSPHERIC PRESSURE Measurement			
	Pressure, Pressure Changes, Pressure easurement Instruments, Isobar, Pressure			
	radient, Low And High Pressure Centers			
	IND Wind and Properties, Factors Affecting			
W	ind, Wind Types, Measurement of Wind,			
	find Measurement Instruments, True and			
	oparent Wind			
	VAPORATION, INSOLATION, ONDENSATION, MOISTURE Evaporation,			
Ev	vaporation Measurement Instruments,			
	solation, Insolation Measuring Instruments,			
	ondensation, Moisture And Moisture Types, ethods Used İn Measuring Moisture,			
	umidity Measurement Instruments, Humidity			
	ffect Cargo			
Activites	LOUDE DECIDITATION AND METEODE L	Number	Duration (hour)	Total Work
Activites	•	INGITIDE		Load (hour)
				Load (noar)
	easuning instruments, weteors	14	2.00	28.00
Practicals	SIBILITY FOG METEOROLOGICAL L	0	0.00	0.00
	lassification, Mist, Haze, Meteorological haservation	14	4.00	56.00
Sell Study	hservation		0.00	0.00
1 100000000000	KS	0	10.00	10 00
Homeworl				
Projects	R MASSES Air Mass Formation.	0	0.00	0.00
Projects _{AI} Field Stud	dies	0		
Projects _{AI} Field Stud	dies		0.00	0.00
Projects _{AI} Field Stud Midterma	dies Lable and Unstable All Ivlasses, All Ivlasses Mecting Turkey	0	0.00	0.00
Projects AI Field Stud Midterm Af Others	dies Apple and Unstable Air Wasses, Air Wasses Hecting Turkey Hyptures, The Typical Structure of Fronts,	0	0.00 0.00 1.00	0.00 0.00 1.00
Projects AI Field Stud Midterm Af Others	dies dies dies dies dies dies dies dies	0 1 1	0.00 0.00 1.00 5.00	0.00 0.00 1.00 5.00
Projects AI Field Stud Midtern AF Others Final Example Total Work	dies dies dies dies dies dies dies dies	0 1 1	0.00 0.00 1.00 5.00	0.00 0.00 1.00 5.00 2.00
Projects AI Field Stud Midtern A Others Final Example Total Work Total work	dies dies dies dies dies dies dies dies	0 1 1	0.00 0.00 1.00 5.00	0.00 0.00 1.00 5.00 2.00 92.00 3.07
Projects AI Field Stud Midtern AF Others Final Example Total Work Total Work ECTS Cree	dies Table and Unstable All Masses, All Masses Mecting Turkey Typical Structure of Fronts, Classification Re Load Table All Masses, All Masses The Typical Structure of Fronts, Classification Re Load Table All Masses, All Masses, All Masses The Load The Course And Seas The Load of the Course	0 1 1	0.00 0.00 1.00 5.00	0.00 0.00 1.00 5.00 2.00 92.00
Projects AI Field Stud Midtern AF Others Final Example Total Work Total Work ECTS Cree	dies dies dies dies dies dies dies dies	0 1 1	0.00 0.00 1.00 5.00	0.00 0.00 1.00 5.00 2.00 92.00 3.07
Projects AI Field Stud Midterm AF Others Final Example Total Work Total Work ECTS Cree W 11 OC	dies rapie and Offstable Air Masses, Air Masses recting Turkey ructures, The Typical Structure of Fronts, ourse of Formation of Fronts. Classification of Local Classification of Economic Classification of Econ	0 1 1	0.00 0.00 1.00 5.00	0.00 0.00 1.00 5.00 2.00 92.00 3.07
Projects AI Field Stud Midterm AF Others Final Example Total Work Total Work ECTS Cree W 11 OCCUTE	dies rapie and Unstable Air Masses, Air Masses recting Turkey ructures, The Typical Structure of Fronts, ourse of Formation of Fronts. Classification of Local Classification of Economic Classification of Econo	0 1 1	0.00 0.00 1.00 5.00	0.00 0.00 1.00 5.00 2.00 92.00 3.07
Projects AI Field Stud Midterm Af Others Final Example Company Total Work Total Work ECTS Cree W 11 OCU Te	dies date and Unstable Air Masses, Air Masses ifecting Turkey Tructures, The Typical Structure of Fronts, Classification of Econts, Classification of Local Actionary, Fronts OCEANS, SEAS, WAVES, DES CURRENTS Oceans And Seas, The edit of the Course Vaves, Waves of Cracking, Tides, Currents CEANS, SEAS, WAVES, TIDES, URRENTS Oceans And Seas, The emperature And Salinity of Sea Water, Vaves, Waves of Cracking, Tides, Currents	0 1 1	0.00 0.00 1.00 5.00	0.00 0.00 1.00 5.00 2.00 92.00 3.07
Projects AI Field Stud Midtern AF Others Final Example Company Total Work Total Work ECTS Cree W 11 OCU Te W 12 SY	dies danie and Unstable Air Masses, Air Masses ifecting Turkey Tructures, The Typical Structure of Fronts, ourse of Formation of Fronts, Classification of Load ationary Fronts OCEANS, SEAS, WAVES, DES CLIBRENTS Oceans And Seas. The edit of the Course Taves, Waves of Cracking, Tides, Currents CEANS, SEAS, WAVES, TIDES, URRENTS Oceans And Seas, The emperature And Salinity of Sea Water, Taves, Waves of Cracking, Tides, Currents Taves, Waves of Cracking, Tides, Currents Typoptic Coding, Synoptic Charts	0 1 1	0.00 0.00 1.00 5.00	0.00 0.00 1.00 5.00 2.00 92.00 3.07
Projects AI Field Stud Midtern AF Others Final Example Total Work Total Work ECTS Cree W 11 OCU Te W 12 SY SY SY	dies rapie and Offstable Air Masses, Air Masses recting Turkey ructures, The Typical Structure of Fronts, ourse of Formation of Fronts. Classification of Load rationary Fronts OCEANS, SEAS, WAVES, DES CITREENTS Oceans And Seas. The edit of the Course raves, Waves of Cracking, Tides, Currents CEANS, SEAS, WAVES, TIDES, URRENTS Oceans And Seas, The emperature And Salinity of Sea Water, raves, Waves of Cracking, Tides, Currents WAVES, Waves, Waves of Cracking, Tides, Currents Offstable Processing YNOPTIC CODING, SYNOPTIC CHARTS Offstable Air Masses, Air Masses Offstable Air Masses, Air Masses Offstable Air Masses, Air Masses Offstable Air Masses, Air Masses Offstable Air Masses, Air Masses Offstable Air Masses, Air Masses Offstable Air Masses, Air Masses Offstable Air Masses, Air Masses Offstable Air Masses, Air Masses Offstable Air Masses, Air Masses Offstable Air Masses Offstable Air Masses, Air Masses Offstable Air Masses, Air Masses Offstable Air Masses, Air Masses Offstable Air Masses, Air Masses Offstable Air Masses, Air Masses Offstable	0 1 1	0.00 0.00 1.00 5.00	0.00 0.00 1.00 5.00 2.00 92.00 3.07
Projects AI Field Stud Midtern AF Others Final Example Total Work Total Work ECTS Cree W 11 OCU Te W 12 SY SY SY	dies rapie and Unstable Air Wasses, Air Wasses recting Turkey ructures, The Typical Structure of Fronts, ourse of Formation of Fronts. Classification of Load rationary Fronts OCEANS, SEAS, WAVES, DES CITREENTS Oceans And Seas. The edit of the Course raves, Waves of Cracking, Tides, Currents CEANS, SEAS, WAVES, TIDES, URRENTS Oceans And Seas, The emperature And Salinity of Sea Water, raves, Waves of Cracking, Tides, Currents raves, Waves of Cracking, Tides, Currents raves, Waves of Cracking, Tides, Currents raves, Waves of Cracking, Tides, Currents raves, Waves of Cracking, Tides, Currents raves, Waves of Cracking, Tides, Currents raves, Waves of Cracking, Tides, Currents raves, Waves of Cracking, Tides, Currents raves, Waves of Cracking, Tides, Currents raves, Waves of Cracking, Tides, Currents raves, Waves of Cracking, Tides, Currents raves, Waves of Cracking, Tides, Currents	0 1 1	0.00 0.00 1.00 5.00	0.00 0.00 1.00 5.00 2.00 92.00 3.07
Projects AI Field Stud Midterm AF Others Final Example Control Work Total Work ECTS Cree W 11 OCC Te W 12 SY Street 13 W	dies rapie and Unstable Air Masses, Air Masses ifecting Turkey Augustures, The Typical Structure of Fronts, Classification of Eronts, Classification of Events, Classificatio	0 1 1	0.00 0.00 1.00 5.00	0.00 0.00 1.00 5.00 2.00 92.00 3.07
Projects AI Field Stud Midtern Af Others Final Example Control Work Total Work ECTS Cree W 11 OCC Te W 12 SY SY SY ST Te 13 W We W 13 W W 14 ST SY SY SY SY SY SY SY SY SY SY SY SY SY	dies date and Unstable Air Masses, Air Masses decling Turkey Application of Fronts, Classification of Economic Classification of	0 1 1	0.00 0.00 1.00 5.00	0.00 0.00 1.00 5.00 2.00 92.00 3.07
Projects AI Field Stud Midtern AF Others Final Example Total Work Total Work ECTS Cree W 11 OCU TE W 12 SY SY SY ST TE 13 W WE SH	dies rapie and Offstable Air Masses, Air Masses recting Turkey ructures, The Typical Structure of Fronts, Classification of Econts. Classification	0 1 1	0.00 0.00 1.00 5.00	0.00 0.00 1.00 5.00 2.00 92.00 3.07
Projects AI Field Stud Midtern AF Others Final Example Total Work Total Work ECTS Cree W 11 OCU Te W 12 SY SY ST Te 13 W W W SH	dies date and Unstable Air Masses, Air Masses decling Turkey Application of Fronts, Classification of Economic Classification of	0 1 1	0.00 0.00 1.00 5.00	0.00 0.00 1.00 5.00 2.00 92.00 3.07

	Textboo Material	xtbooks, References and/or Other aterials:								Öney, S., ve Yılmaz, A., 2000, Denizcilik meteorolojisi, Görsel Sanatlar Matbaacılık, 304 sayfa, Istanbul Çevik Ü., 2005, Denizcilik Meteorolojisi Ders Çalışma Kılavuzu, Birsen Yayınevi, İstanbul, 171 sayfa								
23	Assesm	ent						•										
TERM LEARNING ACTIVITIES NUMI							NUMBI R	E WE	WEIGHT									
Midterm Exam 1							1	40	40.00									
Quiz 0							0	0.0	0.00									
Home work-project 0						0	0.0	0.00										
Final Exam 1						1	60	.00										
Total 2							10	0.00										
Contribution of Term (Year) Learning Activities to Success Grade							s to	40	40.00									
Contribu	ition of F	inal E	xam to	o Suc	cess G	rade		60	.00									
Total								10	0.00									
Course		Measurement and evaluation is carried out according to the principles of Bursa uludag University Associate and Undergraduate Education Regulation. CTS / WORK LOAD TABLE CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16		
ÖK1	4	0	3	0	0	0	0	0	0	2	0	1	0	0	0	0		
ÖK2	3	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0		
ÖK3	2	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0		
ÖK4	0	0	4	0	0	0	0	0	0	3	0	2	0	0	0	0		
ÖK5	0	0	3	0	3	0	0	0	0	2	0	2	0	0	0	0		
		•	LO: L	earr	ning (Obje	ctive	s F	Q: P	rogra	am Qu	alifica	itions	5	•			
Contrib 1 very low 2 low ution Level:					3	Med	edium 4 High 5 Very High					1						