University of Kyrenia

Faculty of Maritime Studies

Maritime Transportation Management Engineering

Syllabus

Course name: Ataturk's Principles and History of Turkish Revolution I							
Code	**Year**	**Semester**	**Credit**	**ECTS**	**Course application, Hour/Week**		
					Theoretical	**Application**	**Laboratory**
AIT101	II	Fall	2	2	2	0	0
Course type: Compulsory Elective				**Prerequisite: x**		**Language:** English	
% Contribution to the Professional Fundamental Component				**Basic Sciences**	**Engineering Science**	**Engineering Design**	**General Education**
				-	-	-	100
Course Venue and Time				Friday / 13:30 – 15:20			
Instructor information				**Aydoğan Erkan** Faculty of Maritime Studies Friday / 09:00 – 12:00 +90 (392) 650 26 00 / 4060 aydogan.erkan@kyrenia.edu.tr www.kyrenia.edu.tr			

Course Description	This course provides an in-depth examination of the political, social, cultural, and economic transformations that took place during the decline and dissolution of the Ottoman Empire and the subsequent foundation of the Republic of Turkey under the leadership of Mustafa Kemal Atatürk. It explores the reform movements in the late Ottoman period, the impact of internal and external crises, the struggle for national independence, and the transition from an empire to a modern nation-state. Special emphasis is placed on the National Struggle, the establishment of the Turkish Grand National Assembly, the War of Independence, and the proclamation of the Republic. The course aims to help students understand the historical foundations of Atatürk's principles and the significance of the Turkish Revolution in shaping modern Turkey.
Course Aims and Objectives	The primary aim of this course is to provide students with a comprehensive understanding of the historical, political, and social processes that led to the dissolution of the Ottoman Empire and the establishment of the Republic of Turkey under the leadership of Mustafa Kemal Atatürk. • To examine the political, economic, and cultural challenges faced by the Ottoman Empire in its final period. • To analyze the reform movements and modernization efforts carried out during the late Ottoman era. • To understand the causes, development, and results of the Turkish National Struggle. • To study the leadership and vision of Mustafa Kemal Atatürk in the process of founding the Republic of Turkey. • To explore the significance of the Turkish Revolution in shaping a modern, secular, and national state. • To encourage students to critically assess the historical events that influenced contemporary Turkish society and governance. • To develop students' ability to connect historical developments with present-day political and social structures in Turkey.
Course Learning Outcomes	**CLO1:** Identify the main political, social, and economic factors that contributed to the decline of the Ottoman Empire. **CLO2:** Explain the impact of Western influence on Ottoman reform movements and modernization efforts. **CLO3:** Analyze the conditions that led to the Turkish National Struggle under Mustafa Kemal Atatürk's leadership. **CLO4:** Evaluate the role of national and international dynamics in the foundation of the Republic of Turkey. **CLO5:** Interpret primary historical sources and documents related to the late Ottoman and early Republican periods. **CLO6:** Discuss the importance of Atatürk's reforms and principles in the establishment of a modern, secular nation-state. **CLO7:** Develop a critical perspective on the transformation from an empire to a republic within the context of world history. **CLO8:** Apply historical knowledge to understand contemporary political and social issues in Turkey.

Content of the Course

Week	*Subject*
1	• Introduction to the Course • Purpose, scope, and methodology of the course • Importance of Atatürk's Principles and History of Turkish Revolution
2	• The concept of revolution and reform • Basic definitions: state, nation, sovereignty, independence • General characteristics of the Ottoman Empire in the 19th century
3	• Internal and external problems of the Ottoman Empire • Political, economic, and cultural decline • First reform attempts (Tanzimat and Islahat Edicts)
4	• Constitutional movements in the Ottoman Empire • The First and Second Constitutional Periods • The role of intellectual movements in shaping modern ideas
5	• Dissolution of the Ottoman Empire in the early 20th century • The Tripoli War and the Balkan Wars • Impact of the wars on Ottoman society and politics
6	• The Ottoman Empire in World War I • Causes, alliances, and outcomes • Fronts where the Ottoman Empire fought
7	• Occupation of Anatolia after World War I • Armistice of Mondros and its consequences • Partition plans of the Allied Powers
8	• National Awakening in Anatolia • The emergence of national resistance organizations • Local congresses and their importance
9	• Mustafa Kemal Pasha's arrival in Samsun (19 May 1919) • The Amasya Circular and its significance • Erzurum and Sivas Congresses
10	• The establishment of the Representative Committee • National Pact (Misak-ı Milli) • Opening of the Turkish Grand National Assembly (23 April 1920)
11	• First period of the Turkish Grand National Assembly • Internal revolts and their suppression • Relations with Soviet Russia and the Treaty of Moscow
12	• War of Independence – First Phase • The Eastern and Southern fronts • Organization of the national army
13	• War of Independence – Western Front • First and Second Battles of İnönü • The Battle of Sakarya and its importance
14	• The Great Offensive and the Battle of Dumlupınar • Mudanya Armistice Agreement • Lausanne Peace Treaty
15	• Proclamation of the Republic of Turkey (29 October 1923) • Evaluation of the Turkish National Struggle • General review and preparation for final assessment

Methods and Techniques used in the Course

Lectures and Presentations: Theoretical background and key historical events are explained with the support of visual materials and timelines.

Class Discussions and Debates: Students are encouraged to critically discuss reform movements, revolutions, and Atatürk's principles to develop analytical thinking.

Document and Text Analysis: Examination of historical documents, speeches, treaties, and memoirs to understand events from primary sources.

Question–Answer Sessions: Active student participation through problem-based and guiding questions.

Audio-Visual Materials: Use of documentaries, maps, and archival records to support historical understanding.

Comparative Analysis: Evaluation of Ottoman reforms and Turkish modernization within the global context.

Research Assignments and Presentations: Students prepare individual or group projects on specific historical issues and present them to the class.

Sample Questions

Multiple Choice Questions (MCQs)

- Which of the following was a major reason for the decline of the Ottoman Empire?
  a) Western cultural influences
  b) Strong central government
  c) Economic self-sufficiency
  d) Industrialization within the Empire
- The leader of the Turkish War of Independence was:
  a) Sultan Mehmed V
  b) Mustafa Kemal Atatürk
  c) Enver Pasha
  d) İsmet İnönü
- The Treaty of Lausanne (1923) is important because:
  a) It marked the beginning of the Ottoman Empire
  b) It recognized the sovereignty of the Republic of Turkey
  c) It established the Caliphate
  d) It ended World War I

True/False Questions

- The Tanzimat Reforms aimed to modernize the Ottoman administration and society. (True/False)
- Mustafa Kemal Atatürk led the national movement after the fall of the Ottoman Empire. (True/False)
- The Republic of Turkey was established in 1920. (True/False)

Short Answer Questions

- Briefly explain the social and economic problems faced by the Ottoman Empire in the 19th century.
- What were the main objectives of the national struggle led by Mustafa Kemal Atatürk?
- Name two key reforms implemented during the early years of the Republic of Turkey and their impact on society.

Essay Questions

- Discuss the transition from the Ottoman Empire to the Republic of Turkey, focusing on the internal and external factors that influenced this change.
- Explain the role of Mustafa Kemal Atatürk in shaping the principles of the Turkish Revolution.
- Analyze the impact of Western influences on the reform movements in the late Ottoman period.

Materials Used in the Course

Textbooks & References

- Mango, Andrew. *Atatürk: The Biography of the Founder of Modern Turkey.* Overlook Press, 2000.
- Zürcher, Erik J. *Turkey: A Modern History.* I.B. Tauris, 2004.
- Karpat, Kemal H. *The Ottoman Empire and Modern Turkey.* University of Wisconsin Press, 2001.
- Turkish Ministry of National Education, *Atatürk's Principles and History of Turkish Revolution Textbook.*

Academic Articles & Papers

- Articles on the late Ottoman reforms (Tanzimat and Meşrutiyet) from journals such as *Middle Eastern Studies* and *Journal of Modern Turkish Studies.*
- Papers analyzing the Turkish War of Independence and establishment of the Republic.

Multimedia & Visual Aids

- Documentaries on Mustafa Kemal Atatürk and the Turkish War of Independence.
- Historical maps showing the partitioning of the Ottoman Empire and military campaigns during the independence struggle.
- Archival photographs of key events, leaders, and reforms.

Online Resources

- Official websites: Republic of Turkey Ministry of Culture and Tourism, Atatürk Research Center.
- Online digital archives and libraries for historical documents and treaties (e.g., Treaty of Lausanne, Sèvres).
- Educational platforms with lecture notes, summaries, and videos related to Turkish history.

Supplementary Materials

- Timelines of Ottoman decline and Turkish War of Independence.
- Handouts summarizing Atatürk's principles (Kemalism) and major reforms.
- Vocabulary lists for key historical terms in English to support comprehension.

All the above listed books are available at UoK's Grand Library

Program Outcomes Matrix

	Program Outcomes	*Level of Contribution				Targeted Competence Areas
		0	1	2	3	
1	Demonstrate comprehensive knowledge of navigation sciences, ship handling, cargo operations, and seamanship in accordance with STCW requirements.				✓	Technical & Navigational Expertise
2	Operate and manage shipboard systems, electronic navigation equipment (ECDIS, ARPA, GMDSS), and emerging smart technologies with precision and reliability.				✓	Digital Navigation & Operations
3	Apply maritime safety standards, emergency procedures, and risk assessment practices to ensure the safety of life at sea and environmental protection.				✓	Safety & Risk Management
4	Employ advanced meteorology, oceanography, and route planning methods to optimize voyages under changing environmental and economic conditions.				✓	Voyage Planning & Environmental Awareness
5	Demonstrate leadership, decision-making, and crisis management skills in multicultural and interdisciplinary maritime teams.				✓	Leadership & Decision-Making
6	Apply international maritime law, conventions, and flag state regulations in navigation, cargo management, and ship operations.			✓		Maritime Law & Compliance
7	Manage cargo operations (loading, stowage, securing, and discharge) with attention to safety, efficiency, and international trade standards.			✓		Cargo & Logistics Management
8	Integrate principles of sustainability and green shipping in ship operations, voyage optimization, and environmental protection measures.				✓	Sustainability & Environmental Stewardship
9	Utilize project management, business acumen, and managerial competencies for effective maritime transport operations and logistics planning.				✓	Project & Transport Management
10	Communicate effectively in maritime English, applying IMO SMCP (Standard Marine Communication Phrases) and professional reporting techniques.				✓	Maritime Communication
11	Commit to ethical conduct, professional responsibility, and respect for cultural diversity within the global maritime workforce.			✓		Ethics & Professionalism
12	Engage in lifelong learning, continuous professional development, and adaptation to technological innovations in the maritime transport sector.			✓		Lifelong Learning & Adaptability

***0:** No Contribution
1: Little Contribution
2: Partial Contribution
3: Full Contribution

Program Outcomes /Course Learning Outcomes Matrix **Level of Contribution**:**0**-No Contribution **1**-Little Contribution **2**-Partial Contribution **3**-Full Contribution										
PO	**CLO1**	**CLO2**	**CLO3**	**CLO4**	**CLO5**	**CLO6**	**CLO7**	**CLO8**		
PO1	3	3	3	3	2	2	2	2		
PO2	2	3	3	3	2	2	2	2		
PO3	2	2	3	3	3	3	3	3		
PO4	2	2	3	3	3	3	3	3		
PO5	3	3	3	3	3	3	3	3		
PO6	2	2	2	2	2	2	2	2		
PO7	1	1	2	2	2	2	2	2		
PO8	1	1	1	1	2	2	2	3		
PO9	1	1	1	1	1	1	2	3		
PO10	1	1	1	1	2	2	2	3		
PO11	1	1	2	2	2	2	2	2		
PO12	1	1	2	2	2	2	2	2		

Course Learning Outcomes/ Evaluation Method		
CLO	**Teaching Method**	**Assessment Method**
CLO1 – Decline of the Ottoman Empire	Lecture, Historical Analysis Sessions, Multimedia Presentations	Quizzes, Assignments, Midterm Exam
CLO2 – Western Influence & Reform Movements	Lecture, Document Analysis, Class Discussions	Assignments, Quizzes, Written Exams
CLO3 – Turkish National Struggle	Lecture, Case Studies, Primary Source Analysis	Midterm Exam, Assignments, Short Essays
CLO4 – Foundation of the Republic	Lecture, Debates, Comparative Analysis Activities	Assignments, Quizzes, Written Exams
CLO5 – Historical Source Interpretation	Document Study Workshops, Archival Material Analysis, Tutorials	Source Analysis Reports, Assignments, Quizzes
CLO6 – Atatürk's Reforms & Principles	Lecture, Group Discussions, Multimedia Presentations	Quizzes, Assignments, Midterm Exam
CLO7 – Empire–Republic Transformation Analysis	Seminar Sessions, Critical Thinking Activities, Case Studies	Essays, Assignments, Participation
CLO8 – Applying Historical Knowledge to Contemporary Issues	Discussions, Problem-Based Learning, Contemporary Case Evaluations	Assignments, Presentations, Final Exam

ECTS / Workload Table			
Activities	**Number**	**Duration (Hours)**	**Total Workload**
Preparation for lectures	**15**	**1**	**15**
Lectures	**15**	**2**	**30**
Midterm Exam	**1**	**3**	**3**
Preparation for Midterm Exam	**1**	**20**	**20**
Final Exam	**1**	**3**	**3**
Preparation for Final Exam	**1**	**20**	**20**
Presentation(s)	-	-	-
Preparation for Presentation(s)	-	-	-
Research for Project(s)/Essay(s)	-	-	-
Project Writing	-	-	-
Group Work	-	-	-
In-class Discussion(s)	-	-	-
Quiz(es)	-	-	-
Preparation for Quiz(es)	-	-	-
Laboratory	-	-	-
Assignment(s)/Homework/Class Works	-	-	-
Micro-Teaching Sessions	-	-	-
Lesson Planning	-	-	-
Materials Adaptation	-	-	-
Material Development	-	-	-
Draft Preparation	-	-	-
Drawing	-	-	-
Essay Writing	-	-	-
Tutorial(s)	-	-	-
Portfolio Preparation	-	-	-
Portfolio Presentation	-	-	-
Total Workload			**91**
ECTS Credit			**2**

Evaluation System		
Semester Requirements	**Number**	**Percentage of Grade**
Attendance/Participation	-	-
Laboratory	-	-
Application	-	-
Field Work	-	-
Special Course Internship (Work Placement)	-	-
Homework/Assignments	-	-
Providing reliability and motivation of the individual homework completion and Submission	-	-
Presentation/Jury	-	-
Project	-	-
Quiz	-	-
Midterms/Oral Exams	1	40
Final/Oral Exams	1	60
Total	**2**	**100**

	Percentage	**Course Grade**	**Coefficient**
Grading Policy	90-100	AA	4.0
	85-89	BA	3.5
	80-84	BB	3.0
	75-79	CB	2.5
	70-74	CC	2.0
	60-69	DC	1.5
	50-59	DD	1.0
	49 and below	FF	0.0
	Less than 70% attendance	NA	-
Course Requirements and Policies	• Alerted attendance at the lectures is essential! • Students are expected to check frequently the instructor's web page for the course announcements. • University of Kyrenia honor code will be strictly enforced regarding any issues concerning cheating.		

University of Kyrenia

Faculty of Maritime Studies

Maritime Transportation Management Engineering

Syllabus

Course name: Chartering and Shipbroking I							
Code	**Year**	**Semester**	**Credit**	**ECTS**	**Course application, Hour/Week**		
					Theoretical	**Application**	**Laboratory**
CSB201	II	Fall	3	6	3	0	0
Course type: Compulsory				**Prerequisite: x**		**Language:** English	
% Contribution to the Professional Fundamental Component				**Basic Sciences**	**Engineering Science**	**Engineering Design**	**General Education**
				-	-	-	100
Course Venue and Time				Monday / 08:30 – 11:20			
Instructor information				**Hüseyin Meray** Faculty of Maritime Studies Wednesday / 09:00 – 12:00 +90 (392) 650 26 00 / 4040 huseyin.meray@kyrenia.edu.tr www.kyrenia.edu.tr			

Course Description	This course provides an in-depth understanding of maritime commercial operations, ship chartering, and freight contracts. It covers various types of charters, including voyage, time, and bareboat charters, and examines the legal and operational aspects of charter negotiations. The course introduces students to freight markets, international trade terms, and the roles of shipping agents and brokers. Students will gain practical knowledge in handling shipping documentation, including bills of lading, letters of credit, manifests, and ship logbooks. Additionally, the course emphasizes the use of Maritime English for effective communication in commercial shipping and contract management, equipping students with the skills to operate efficiently in international maritime business environments.
Course Aims and Objectives	The aim of this course is to provide students with a comprehensive understanding of maritime commercial operations, ship chartering processes, and freight contract management. It seeks to equip students with the theoretical knowledge and practical skills necessary to operate effectively in international shipping markets, understand the legal and commercial framework of charter parties, and manage ship-related documentation proficiently. • Explain the structure and functioning of maritime markets and shipping services, including liner and tramp operations. • Distinguish between different types of charter parties, including voyage, time, and bareboat charters, and understand their contractual elements. • Analyze the negotiation processes for charter contracts, including offers, counter offers, and contractual obligations. • Identify and interpret key shipping documents, such as bills of lading, letters of credit, manifests, and ship logbooks. • Apply Maritime English in commercial shipping contexts for effective communication with agents, brokers, and other maritime stakeholders. • Understand international trade terms (INCOTERMS) and their implications for chartering and cargo operations.

	• Demonstrate knowledge of legal, operational, and safety responsibilities in ship hiring and cargo handling contracts.
Course Learning Outcomes	**LO1.** Explain global shipping markets, chartering types, and basic structures of maritime commercial operations. **LO2.** Analyze the contractual elements, responsibilities, and commercial implications of voyage, time, and bareboat charters. **LO3.** Interpret chartering terminology, freight concepts, and market dynamics. **LO4.** Apply the offer–counter offer mechanism and negotiation techniques used in chartering. **LO5.** Identify and classify main shipping documents (Bill of Lading, Letter of Credit, Mate's Receipt, etc.) and explain their functions. **LO6.** Evaluate the roles, duties, and responsibilities of agents and brokers within chartering processes. **LO7.** Prepare voyage-related documentation (SOF, Time Sheets, Manifests, etc.) and relate them to operational procedures. **LO8.** Interpret INCOTERMS and international trade terminology in relation to charter parties and freight contracts. **LO9.** Explain the role of international maritime organizations (IMO, ILO, BIMCO, etc.) in commercial shipping operations. **LO10.** Use English terminology, professional correspondence, and logbook entries accurately in commercial maritime operations.

Content of the Course

Week	*Subject*
1	**Introduction to Maritime Commercial Operations** Overview of shipping markets, liner services, tramp operations, and freight concepts.
2	**Freight and Chartering Markets** Freight rates, market dynamics, and types of charters.
3	**Voyage Charter Elements** Key components, clauses, and operational considerations.
4	**Time Charter Elements** Contract terms, responsibilities, and performance obligations.
5	**Bareboat Charter Elements** Structure, rights, and obligations of parties.
6	**Charter Negotiations** Offer and counter-offer strategies, negotiation techniques, and related abbreviations.
7	**Bills of Lading and Letters of Credit** Documentation, relationships with charter parties, and indemnity letters.
8	**Agents and Brokerage** Types of agents, freight brokers, and their roles in ship hiring.
9	**Pre-shipment Documentation** Preparation letters, Statement of Facts (SOF), Time Sheets, Mate's Receipts, Manifests, and Loading Orders.
10	**International Trade Terms** INCOTERMS, common shipping abbreviations, and standard terminology.
11	**Appropriate Flag States and Freight Conferences** Regulatory compliance, flag selection, and conference structures.
12	**International Maritime Organizations** Structure, purpose, and role in commercial shipping operations.
13	**Maritime English for Commercial Operations** Key vocabulary and terminology for chartering, freight, and shipping operations.
14	**Ship Documentation in English** Onboard documentation, port documents, cargo documents, and reporting procedures.
15	**Ship Logbooks and Maritime Correspondence** Ship journals, operational records, protests, record-keeping, and official correspondence in English.

Methods and Techniques used in the Course

Lectures: Systematic delivery of theoretical concepts on maritime commercial operations, charter parties, and freight contracts.

Case Studies: Analysis of real-world scenarios related to ship hiring, charter negotiations, and contractual disputes to develop problem-solving skills.

Group Discussions and Workshops: Collaborative sessions to explore negotiation techniques, risk management, and practical applications of maritime law and contracts.

Document Analysis: Practical exercises in interpreting and preparing key shipping documents such as bills of lading, charters, manifests, and letters of credit.

Maritime English Exercises: Focused practice in professional communication, correspondence, and terminology used in ship hiring and commercial operations.

Simulations: Role-playing and scenario-based exercises simulating charter negotiations, cargo operations, and dispute resolution.

Assignments and Reports: Individual and group assignments analyzing contract clauses, international trade terms, and case study findings.

Guest Lectures / Industry Insights: Sessions by maritime professionals to provide practical perspectives on ship operations and commercial practices.

Sample Questions

- Explain the key differences between **voyage charter**, **time charter**, and **bareboat charter** contracts, including the responsibilities of each party.
- Discuss the main elements of a **charter party** and their legal significance in international shipping.
- Describe the process of **negotiating freight rates** and the role of **charter brokers** in maritime commerce.
- What are the essential **documents** required for cargo operations, and how do they affect the rights and responsibilities of the shipowner and charterer?
- Define the term **Statement of Facts (SOF)** and explain its importance in calculating laytime and demurrage.
- How are **INCOTERMS** applied in maritime trade, and what impact do they have on risk and cost allocation between the parties?
- Explain the legal and practical aspects of **claims arising from cargo damage** or delays during transportation.
- Discuss the importance of **maritime English** in ensuring accurate communication in ship operations and contract management.
- Analyze a hypothetical **charter dispute case** and propose a resolution strategy based on international maritime law.
- Identify the responsibilities of a ship's master under a **time charter contract** and explain how they differ from those under a **voyage charter**.

Materials Used in the Course

Textbooks and Reference Books:

- Standard textbooks on maritime commercial law, chartering, and freight contracts.
- Guides on INCOTERMS, Bills of Lading, and Maritime English.

International Conventions and Guidelines:

- Relevant IMO guidelines, SOLAS, MARPOL, and STCW references.
- Sample charter parties and freight contracts.

Ship Documentation:

- Bills of Lading, Cargo Manifests, Time Sheets, Statement of Facts.
- Ship's Logbook, Protest Letters, and other official vessel records.

Online Resources and Databases:

- Shipping industry reports, legal case studies, and commercial dispute resolutions.
- Digital platforms for maritime trade and chartering information.

Software Tools:

- Simulation tools for charter negotiations and cargo operations.
- Document management and drafting software for maritime correspondence.

Supplementary Materials:

- Handouts, presentations, and practical exercises for contract interpretation and negotiation.

All the above listed books are available at UoK's Grand Library

Program Outcomes Matrix

	Program Outcomes	*Level of Contribution				Targeted Competence Areas
		0	1	2	3	
1	Demonstrate comprehensive knowledge of navigation sciences, ship handling, cargo operations, and seamanship in accordance with STCW requirements.				✓	Technical & Navigational Expertise
2	Operate and manage shipboard systems, electronic navigation equipment (ECDIS, ARPA, GMDSS), and emerging smart technologies with precision and reliability.			✓		Digital Navigation & Operations
3	Apply maritime safety standards, emergency procedures, and risk assessment practices to ensure the safety of life at sea and environmental protection.				✓	Safety & Risk Management
4	Employ advanced meteorology, oceanography, and route planning methods to optimize voyages under changing environmental and economic conditions.			✓		Voyage Planning & Environmental Awareness
5	Demonstrate leadership, decision-making, and crisis management skills in multicultural and interdisciplinary maritime teams.				✓	Leadership & Decision-Making
6	Apply international maritime law, conventions, and flag state regulations in navigation, cargo management, and ship operations.			✓		Maritime Law & Compliance
7	Manage cargo operations (loading, stowage, securing, and discharge) with attention to safety, efficiency, and international trade standards.				✓	Cargo & Logistics Management
8	Integrate principles of sustainability and green shipping in ship operations, voyage optimization, and environmental protection measures.			✓		Sustainability & Environmental Stewardship
9	Utilize project management, business acumen, and managerial competencies for effective maritime transport operations and logistics planning.			✓		Project & Transport Management
10	Communicate effectively in maritime English, applying IMO SMCP (Standard Marine Communication Phrases) and professional reporting techniques.				✓	Maritime Communication
11	Commit to ethical conduct, professional responsibility, and respect for cultural diversity within the global maritime workforce.			✓		Ethics & Professionalism
12	Engage in lifelong learning, continuous professional development, and adaptation to technological innovations in the maritime transport sector.				✓	Lifelong Learning & Adaptability

***0:** No Contribution
1: Little Contribution
2: Partial Contribution
3: Full Contribution

Program Outcomes /Course Learning Outcomes Matrix **Level of Contribution**:**0**-No Contribution **1**-Little Contribution **2**-Partial Contribution **3**-Full Contribution										
	LO1	**LO2**	**LO3**	**LO4**	**LO5**	**LO6**	**LO7**	**LO8**	**LO9**	**L10**
PO1	3	3	2	2	2	1	3	2	2	2
PO2	3	3	3	2	2	1	2	1	2	1
PO3	2	3	1	3	3	2	1	3	1	1
PO4	2	2	1	2	3	3	2	2	2	2
PO5	1	2	2	1	1	2	2	2	3	3
PO6	1	2	1	2	1	1	2	3	2	2
PO7	1	1	1	1	1	3	2	2	3	3
PO8	1	1	3	1	1	1	2	1	2	1
PO9	1	1	2	1	1	1	1	1	2	2
PO10	2	2	1	2	3	3	2	2	2	2
PO11	1	2	2	1	1	2	2	2	3	3
PO12	1	2	1	2	1	1	2	3	2	2
PO13	3	3	3	2	2	1	2	1	2	1
PO14	2	3	1	3	3	2	1	3	2	2
PO15	1	2	1	2	2	3	2	2	3	3

Course Learning Outcomes/ Evaluation Method		
Course Learning Outcomes (CLOs)	**Teaching Method**	**Assessment Method**
LO1 Explain global shipping markets, chartering types, and basic structures of maritime commercial operations.	Lecture, Case Study	Midterm, Final Exam
LO2 Analyze the contractual elements, responsibilities, and commercial implications of voyage, time, and bareboat charters.	Lecture, Charter Party Analysis	Midterm, Final Exam
LO3 Interpret chartering terminology, freight concepts, and market dynamics.	Lecture, Market Report Review	Quiz, Final Exam
LO4 Apply the offer–counter offer mechanism and negotiation techniques used in chartering.	Role-play Negotiations, Group Work	Assignment, Participation
LO5 Identify and classify main shipping documents (Bill of Lading, Letter of Credit, Mate's Receipt, etc.) and explain their functions.	Document Analysis, Lecture	Midterm, Assignment
LO6 Evaluate the roles, duties, and responsibilities of agents and brokers within chartering processes.	Lecture, Case Study	Final Exam
LO7 Prepare voyage-related documentation (SOF, Time Sheets, Manifests, etc.) and relate them to operational procedures.	Practical Document Preparation	Assignment, Quiz
LO8 Interpret INCOTERMS and international trade terminology in relation to charter parties and freight contracts.	Lecture, Scenario-Based Exercises	Quiz, Final Exam
LO9 Explain the role of international maritime organizations (IMO, ILO, BIMCO, etc.) in commercial shipping operations.	Lecture, Regulatory Review	Midterm, Final Exam
LO10 Use English terminology, professional correspondence, and logbook entries accurately in commercial maritime operations.	Terminology Workshops, Writing Exercises	Assignment, Final Exam

ECTS / Workload Table			
Activities	**Number**	**Duration (Hours)**	**Total Workload**
Preparation for lectures	**15**	**3**	**45**
Lectures	**15**	**3**	**45**
Midterm Exam	**1**	**2**	**2**
Preparation for Midterm Exam	**1**	**10**	**10**
Final Exam	**1**	**2**	**2**
Preparation for Final Exam	**1**	**10**	**10**
Presentation(s)	**-**	**-**	**-**
Preparation for Presentation(s)	**-**	**-**	**-**
Research for Project(s)/Essay(s)	**-**	**-**	**-**
Project Writing	**-**	**-**	**-**
Group Work	**2**	**5**	**10**
In-class Discussion(s)	**15**	**1**	**15**
Quiz(es)	**-**	**-**	**-**
Preparation for Quiz(es)	**-**	**-**	**-**
Laboratory	**-**	**-**	**-**
Assignment(s)/Homework/Class Works	**2**	**5**	**10**
Micro-Teaching Sessions	**-**	**-**	**-**
Lesson Planning	**-**	**-**	**-**
Materials Adaptation	**-**	**-**	**-**
Material Development	**-**	**-**	**-**
Draft Preparation	**-**	**-**	**-**
Drawing	**-**	**-**	**-**
Essay Writing	**-**	**-**	**-**
Tutorial(s)	**-**	**-**	**-**
Portfolio Preparation	**-**	**-**	**-**
Portfolio Presentation	**-**	**-**	**-**
Total Workload			**149**
ECTS Credit			**6**

Evaluation System		
Semester Requirements	**Number**	**Percentage of Grade**
Attendance/Participation	-	-
Laboratory	-	-
Application	2	10
Field Work	2	10
Special Course Internship (Work Placement)	-	-
Homework/Assignments	2	10
Providing reliability and motivation of the individual homework completion and Submission	-	-
Presentation/Jury	-	-
Project	-	-
Quiz	-	-
Midterms/Oral Exams	1	30
Final/Oral Exams	1	40
Total	**2**	**100**

	Percentage	**Course Grade**	**Coefficient**
Grading Policy	90-100	AA	4.0
	85-89	BA	3.5
	80-84	BB	3.0
	75-79	CB	2.5
	70-74	CC	2.0
	60-69	DC	1.5
	50-59	DD	1.0
	49 and below	FF	0.0
	Less than 70% attendance	NA	-
Course Requirements and Policies	• Alerted attendance at the lectures is essential! • Students are expected to check frequently the instructor's web page for the course announcements. • University of Kyrenia honor code will be strictly enforced regarding any issues concerning cheating.		

University of Kyrenia

Faculty of Maritime Studies

Maritime Transportation Management Engineering

Syllabus

Course name: Introduction to Marine Electronics							
Code	**Year**	**Semester**	**Credit**	**ECTS**	**Course application, Hour/Week**		
					Theoretical	**Application**	**Laboratory**
MEL201	II	Fall	3	3	2	2	0
Course type: Elective				**Prerequisite: x**		**Language:** English	
% Contribution to the Professional Fundamental Component				**Basic Sciences**	**Engineering Science**	**Engineering Design**	**General Education**
				20	20	20	40
Course Venue and Time				Wednesday 09.30-12.20			
Instructor information				**Chf. Eng. Volkan Varışlı** Faculty of Maritime Studies Wednesday / 09:00 - 12:00 +90 (392) 650 26 00 / 4095 volkan.varisli@kyrenia.edu.tr www.kyrenia.edu.tr			

Course Description	This course provides students with the fundamental principles of marine electronics and their practical applications in shipboard systems. It introduces the basic electronic components, circuit theory, and analytical methods required to understand and maintain marine electronic equipment. Key subjects include the characteristics and functions of electronic circuit components, Ohm's law, and the analysis of simple and complex circuits. The course further covers semiconductor theory, diodes, transistors, feedback, amplification, and oscillation principles essential for marine automation and communication systems. Students will learn about modulation techniques, electromagnetic wave propagation, noise reduction, and the integration of electronic circuits with high-voltage marine equipment. Emphasis is placed on safety standards, inspection methods, measurement tools, and troubleshooting procedures. In addition, the course explores shipboard electronics such as radar systems, Doppler logs, antennas, communication equipment, alarm systems, detection systems, and automation technologies. The course combines theoretical knowledge with hands-on practice through laboratory exercises, group projects, and simulations aimed at developing diagnostic and maintenance skills for marine electronic systems. By the end of the course, students will have a foundational understanding of marine electronics and be prepared for advanced studies in maritime automation and navigation technologies.
Course Aims and Objectives	**Course Aims:** • To provide students with a fundamental understanding of electronic theory and components used in marine applications. • To introduce the principles of electronic circuit analysis and their application to shipboard systems. • To develop students' knowledge of safety standards, troubleshooting methods, and maintenance practices for marine electronic equipment. • To prepare students for further studies and professional applications involving marine automation, communication, and navigation electronics. **Course Objectives:** By the end of the course, students are expected to: • Understand the basic electrical and electronic concepts including Ohm's law, circuit analysis, and the function of common electronic components. • Explain the principles of semiconductors, diodes, transistors, amplification, feedback, and oscillation in electronic systems. • Analyze and interpret circuit diagrams and recognize components and their literature symbols. • Gain knowledge of electromagnetic waves, modulation principles, and signal noise reduction techniques relevant to marine environments. • Understand safety regulations, inspection and maintenance requirements, and diagnostic tools used in marine electronics. • Describe the working principles and operational requirements of shipboard electronic systems such as radars, antennas, alarm and detection systems. • Develop hands-on skills through applications, simulations, and case studies for troubleshooting and maintaining marine electronic devices.

Course Learning Outcomes	**LO1 – Understand Electrical & Electronic Fundamentals** Explain the basic principles of electricity and electronics, including Ohm's law, basic circuit analysis, and the operational principles of key electronic components such as resistors, capacitors, diodes, transistors, and amplifiers. **LO2 – Interpret and Analyze Electronic Circuits** Analyze, draw, and interpret marine electronic circuit diagrams using correct symbols and standards, and apply semiconductor theory, feedback, oscillation, modulation, and signal transmission concepts. **LO3 – Evaluate Electromagnetic & Signal Integrity Issues** Assess electromagnetic interference (EMI) problems in marine electronic systems and propose suitable noise reduction and signal integrity solutions. **LO4 – Apply Safety, Maintenance & Troubleshooting Procedures** Apply marine electronic safety regulations, conduct inspections, perform maintenance, and diagnose faults in shipboard electronic systems using standard troubleshooting techniques. **LO5 – Understand Shipboard Electronic Equipment Operation** Explain and evaluate the operation of essential marine electronic equipment, including radar, antennas, communication systems, alarms, sensors, and detection systems. **LO6 – Demonstrate Practical & Team-Based Problem-Solving Skills** Perform hands-on troubleshooting and diagnostics on simulated or real marine electronic systems, and collaborate effectively in teams to solve practical marine electronics case studies.

Content of the Course

Week	*Subject*
1	General aspects of Electronical Characteristics of Circuit board Components
2	Reminder tutorial of Ohm law and simple circuits analysis
3	Circuit line systems and circuit diagrams, understanding of the components with their symbols and literature denominations
4	Semi-conductor theory, diots, types and diot circuit
5	Transistors & amplification, amplificators and functions in the circuit
6	Feed-back theory and amplified feed-back components
7	Ossilation theory and ossilators,
8	Mid-term Application (Theoretical fault-finding)
9	Modulation and integrity with automational control elements
10	Electromagnetic waves and spread, noise and reduction in signalization
11	Integration of electronical circuit components with high voltage equipment
12	Fundamental safety regulations, electronical safety requirements, mechanisms and maintenance. Electronical inspection system, measurements and determination tools
13	Shipboard Electronics I: Radars, doppler logs, antennas and communication equipment
14	Shipboard Electronics: Alarm systems, detection systems and automation
15	Final Exam Application (Acting for troubleshooting)

Methods and Techniques Used in the Course

Lectures and Interactive Discussions:

Theoretical knowledge is delivered through interactive lectures supported by multimedia presentations, encouraging student participation and critical thinking.

Laboratory / Practical Applications:

Hands-on practice with electronic components, circuit building, and troubleshooting exercises are carried out in lab or simulator environments.

Minimum 4 application sessions are conducted throughout the semester.

Case Studies and Problem-Solving Sessions:

Analysis of real-world marine electronics failures and fault scenarios; students develop solutions and present findings.

Group Work and Collaborative Projects:

Students work in teams (*minimum 2 group assignments*) to analyze, design, and troubleshoot circuit diagrams and shipboard electronic systems.

Homework and Research Assignments:

Students complete *at least 2 individual homework assignments* on topics such as circuit analysis, safety procedures, and shipboard electronics.

Mid-term and Final Examinations:

Exams include both theoretical and application-based questions, testing understanding of electronics principles, shipboard equipment, and troubleshooting methods.

Use of Demonstration Tools and Simulations:

Electronic simulation software, circuit boards, and shipboard equipment models are used to reinforce theoretical knowledge with practical demonstrations.

Self-Evaluation and Feedback Sessions:

Briefing and debriefing activities to improve self-assessment and peer learning.

Sample Questions

Mid-term Exam Sample Questions

- **Explain Ohm's Law** and calculate the current passing through a 24 V circuit with a 12 Ω resistor.
- **Draw and label** the main components of a simple DC circuit and explain their functions.
- **Identify and describe** three types of diodes and their typical applications in marine electronics.
- A transistor circuit has a given input and output. **Explain how amplification is achieved** and sketch a simple transistor amplifier circuit.
- **Describe the concept of feedback in electronic circuits.** Provide one example of positive feedback and its effect on the system.

Application / Practical Sample Questions

- **Fault-finding:** Given a faulty circuit diagram, identify potential failure points and suggest troubleshooting steps.
- Using provided circuit symbols, **construct and label** a schematic for a power supply including a diode rectifier and an amplifier stage.
- **Explain and demonstrate** how oscillators generate signals, including the role of feedback components.
- **Case Study:** The radar antenna shows intermittent signal loss. Suggest probable causes related to electronic components and propose inspection methods.

Final Exam Sample Questions

- **Explain modulation** and how it integrates with automation control systems onboard.
- **Discuss electromagnetic interference (EMI):** What are its sources in marine environments and how can it be minimized?
- **Describe the safety measures** required when working with high-voltage shipboard electronic systems.
- **Differentiate** between analog and digital signals and their relevance to marine communication equipment.
- **Describe the working principles** of one shipboard electronic system (e.g., radar or Doppler log) and its integration into navigation operations.

Materials Used in the Course

Textbooks and References

- K. R. Fowler, *Marine Electronics Handbook*, latest edition.
- A. P. Anderson, *Basic Electronics for Engineers and Technicians*.
- Manufacturer manuals and technical documentation for marine electronic devices (e.g., radar, Doppler log, automation systems).
- IMO and SOLAS regulations related to electronic and automation systems on ships.

Lecture Materials

- Instructor-prepared lecture notes and multimedia presentations.
- Circuit diagrams and schematic libraries (digital and printed).
- Safety procedure manuals and guidelines for handling electronic equipment.

Laboratory / Practical Tools

- Breadboards, resistors, capacitors, diodes, and transistors for hands-on circuit design.
- Oscilloscopes, multimeters, and signal generators for testing and diagnostics.
- Marine electronics training kits for radar and communication systems simulations.
- Fault simulation boards for troubleshooting exercises.

Software and Simulation Tools

- Electronic circuit design and analysis software (e.g., Multisim, Proteus, or equivalent).
- Marine electronics simulator software for radar, alarms, and automation system demonstrations.
- Digital libraries and virtual labs for remote practice.

Supplementary Materials

- Safety manuals for electrical and electronic maintenance operations.
- IMO conventions: MARPOL, SOLAS, and ISM Code excerpts related to electronic equipment and safety.
- Case studies and example logs from real shipboard electronics incidents.

All the above listed books are available at UoK's Grand Library

Program Outcomes Matrix

	Program Outcomes	*Level of Contribution				Targeted Competence Areas
		0	1	2	3	
1	Demonstrate comprehensive knowledge of navigation sciences, ship handling, cargo operations, and seamanship in accordance with STCW requirements.				✓	Technical & Navigational Expertise
2	Operate and manage shipboard systems, electronic navigation equipment (ECDIS, ARPA, GMDSS), and emerging smart technologies with precision and reliability.				✓	Digital Navigation & Operations
3	Apply maritime safety standards, emergency procedures, and risk assessment practices to ensure the safety of life at sea and environmental protection.				✓	Safety & Risk Management
4	Employ advanced meteorology, oceanography, and route planning methods to optimize voyages under changing environmental and economic conditions.				✓	Voyage Planning & Environmental Awareness
5	Demonstrate leadership, decision-making, and crisis management skills in multicultural and interdisciplinary maritime teams.				✓	Leadership & Decision-Making
6	Apply international maritime law, conventions, and flag state regulations in navigation, cargo management, and ship operations.			✓		Maritime Law & Compliance
7	Manage cargo operations (loading, stowage, securing, and discharge) with attention to safety, efficiency, and international trade standards.			✓		Cargo & Logistics Management
8	Integrate principles of sustainability and green shipping in ship operations, voyage optimization, and environmental protection measures.				✓	Sustainability & Environmental Stewardship
9	Utilize project management, business acumen, and managerial competencies for effective maritime transport operations and logistics planning.				✓	Project & Transport Management
10	Communicate effectively in maritime English, applying IMO SMCP (Standard Marine Communication Phrases) and professional reporting techniques.				✓	Maritime Communication
11	Commit to ethical conduct, professional responsibility, and respect for cultural diversity within the global maritime workforce.			✓		Ethics & Professionalism
12	Engage in lifelong learning, continuous professional development, and adaptation to technological innovations in the maritime transport sector.			✓		Lifelong Learning & Adaptability

***0:** No Contribution
1: Little Contribution
2: Partial Contribution
3: Full Contribution

Program Outcomes /Course Learning Outcomes Matrix **Level of Contribution**:**0**-No Contribution **1**-Little Contribution **2**-Partial Contribution **3**-Full Contribution						
PO	**CLO1**	**CLO2**	**CLO3**	**CLO4**	**CLO5**	**CLO6**
PO1	2	2	2	3	3	2
PO2	2	3	3	3	3	3
PO3	1	2	2	2	2	2
PO4	1	2	2	2	2	2
PO5	2	2	3	2	3	3
PO6	1	2	2	3	3	2
PO7	1	1	1	2	2	2
PO8	1	1	2	2	2	2
PO9	1	1	1	1	2	2
PO10	1	2	2	3	3	3
PO11	1	1	1	2	2	2
PO12	2	1	1	2	2	2

Course Learning Outcomes/ Evaluation Method		
CLO	**Teaching Method**	**Assessment Method**
CLO1	Lectures, interactive presentations, guided problem-solving	Midterm exam, quizzes
CLO2	Lectures, component demonstrations, circuit modeling sessions	Midterm exam, quizzes, homework
CLO3	Board work, circuit-drawing exercises, laboratory simulations	Quizzes, lab reports, midterm
CLO4	Lectures, multimedia demonstrations, case-based discussions	Midterm exam, final exam
CLO5	Problem-solving sessions, lab simulations, group analysis	Quizzes, lab reports, final exam
CLO6	Practical lab work, group activities, case studies	Lab reports, project work, final exam

ECTS / Workload Table			
Activities	**Number**	**Duration (Hours)**	**Total Workload**
Preparation for lectures	-	-	-
Lectures	**15**	**4**	**60**
Midterm Exam	**1**	**2**	**2**
Preparation for Midterm Exam	**1**	**6**	**6**
Final Exam	**1**	**2**	**2**
Preparation for Final Exam	**1**	**6**	**6**
Presentation(s)	-	-	-
Preparation for Presentation(s)	-	-	-
Case Studies / Critical Thinking	-	-	-
Project Writing	-	-	-
Group Work	**2**	**4**	**8**
In-class Discussion(s)	-	-	-
Quiz(es)	-	-	-
Preparation for Quiz(es)	-	-	-
Laboratory / Practical Applications	**4**	**4**	**16**
Assignment(s)/Homework/Class Works	**2**	**4**	**8**
Micro-Teaching Sessions	-	-	-
Lesson Planning	-	-	-
Materials Adaptation	-	-	-
Material Development	-	-	-
Draft Preparation	-	-	-
Drawing	-	-	-
Essay Writing	-	-	-
Tutorial(s)	-	-	-
Portfolio Preparation	-	-	-
Portfolio Presentation	-	-	-
Total Workload			**108**
ECTS Credit			**3**

Evaluation System		
Semester Requirements	**Number**	**Percentage of Grade**
Attendance/Participation	-	-
Laboratory	-	-
Application	4	20
Field Work	2	10
Special Course Internship (Work Placement)	-	-
Homework/Assignments	2	10
Providing reliability and motivation of the individual homework completion and Submission	-	-
Presentation/Jury	-	-
Project	-	-
Quiz	-	-
Midterms/Oral Exams	1	30
Final/Oral Exams	1	30
Total	**10**	**100**

	Percentage	**Course Grade**	**Coefficient**
Grading Policy	90-100	AA	4.0
	85-89	BA	3.5
	80-84	BB	3.0
	75-79	CB	2.5
	70-74	CC	2.0
	60-69	DC	1.5
	50-59	DD	1.0
	49 and below	FF	0.0
	Less than 70% attendance	NA	-
Course Requirements and Policies	• Alerted attendance at the lectures is essential! • Students are expected to check frequently the instructor's web page for the course announcements. • University of Kyrenia honor code will be strictly enforced regarding any issues concerning cheating.		

University of Kyrenia

Faculty of Maritime Studies

Maritime Transportation Management Engineering

Syllabus

Course name: Maritime English I							
Code	**Year**	**Semester**	**Credit**	**ECTS**	**Course application, Hour/Week**		
					Theoretical	**Application**	**Laboratory**
MEN201	II	Fall	3	4	3	0	0
Course type: Compulsory Elective				**Prerequisite: x**		**Language:** English	
% Contribution to the Professional Fundamental Component				**Basic Sciences**	**Engineering Science**	**Engineering Design**	**General Education**
				-	-	-	100
Course Venue and Time				Wednesday 09.30-12.20			
Instructor information				**Cpt. Caner Özbilgiç** Faculty of Maritime Studies Wednesday / 09:00 - 12:00 +90 (392) 650 26 00 / 4040 caner.ozbilgic@kyrenia.edu.tr www.kyrenia.edu.tr			

Course Description	The *Maritime English* course is designed to develop students' ability to understand, use, and communicate effectively in English within the context of maritime operations. The course provides comprehensive instruction on the specialized vocabulary, expressions, and communication techniques used at sea and in ports, in compliance with the **IMO Standard Marine Communication Phrases (SMCP)** and international maritime conventions. Students will gain a solid command of English terminology related to ship structure, navigation, meteorology, cargo operations, safety, and emergency procedures. Emphasis is placed on both oral and written communication, including radio communication, ship documentation, and correspondence used in ship management, maintenance, and operations. Through interactive lessons, simulations, and practical exercises, students will enhance their listening, speaking, reading, and writing skills necessary for safe, efficient, and professional communication in multinational maritime environments. The course also introduces essential maritime legal, technical, and administrative English to prepare students for real-world maritime communication challenges.
Course Aims and Objectives	The primary aim of this course is to equip students with the linguistic competence and professional communication skills required for effective and safe operations in the maritime industry. The course seeks to familiarize students with international maritime terminology, documents, and communication practices in accordance with **IMO (International Maritime Organization)** standards. • To develop students' understanding and practical use of **maritime terminology** and expressions used on board ships and within port operations. • To enable students to **communicate accurately and efficiently** in English during daily operations, cargo handling, and navigation activities. • To improve students' ability to use **IMO Standard Marine Communication Phrases (SMCP)** in real-time communication and emergency situations. • To provide students with the necessary English skills to **understand, interpret, and complete** ship documentation and correspondence.

	• To enhance proficiency in **oral, written, and radio communication** used between ships, coastal stations, and maritime authorities. • To develop awareness of **safety procedures, emergency messages, and distress communications** in English. • To prepare students to work confidently and professionally in **multinational maritime environments**, promoting effective teamwork and intercultural communication.
Course Learning Outcomes	**CLO1:** Identify and use key maritime terminology related to ships, machinery, cargo operations, and navigation. **CLO2:** Communicate effectively in English during shipboard operations, including bridge, engine room, and port communications. **CLO3:** Interpret and apply IMO Standard Marine Communication Phrases (SMCP) in both routine and emergency maritime situations. **CLO4:** Understand and explain the structure, function, and classification of ships using appropriate technical maritime English. **CLO5:** Read, comprehend, and complete maritime documents such as logbooks, cargo records, reports, and inspection forms. **CLO6:** Apply English terminology related to marine safety, firefighting, meteorology, and environmental protection. **CLO7:** Demonstrate proficiency in written and oral maritime communication used in correspondence, reporting, and ship-to-shore messaging. **CLO8:** Recognize and use English terminology associated with maritime law, international regulations, and administrative procedures. **CLO9:** Respond appropriately to emergency, distress, and safety-critical situations using standardized maritime English communication formats. **CLO10:** Collaborate and communicate effectively in multinational maritime environments with crew members from diverse linguistic and cultural backgrounds.

Content of the Course

Week	*Subject*
1	**Introduction to Maritime English and Ship Classification** • Definition of a ship and its general characteristics • Classification of ships based on function and design • Basic ship measurements and tonnage concepts • General maritime terminology
2	**Ship Parts and Equipment Terminology** • Structural parts of the ship: hull, deck, superstructure, compartments • Cargo gear, hatches, pipelines, tanks • Anchoring equipment, mooring commands, and bridge terminology • Crew structure, duties, and shipboard organization
3	**Maritime Safety and Fire-Fighting Terminology** • Safety equipment and lifeboats • Fire-fighting equipment and safety procedures • English terminology used in drills and emergency training • Understanding SOLAS (Safety of Life at Sea) vocabulary
4	**Nautical Charts and Publications** • Basic map and chart terminology • Navigational publications: Notices to Mariners, corrections, and chart updates • English expressions used in voyage planning and chart reading
5	**Meteorology in Maritime English** • Meteorological terms and abbreviations used in weather reports • Recording weather and sea conditions in the ship's logbook • Understanding and interpreting weather forecasts
6	**Maritime Commerce and Shipping Business English** • Maritime trade and shipping operations terminology • Charter party agreements, INCOTERMS, and documentation • Time Sheets, Statements of Facts, and laytime calculation terminology
7	**Technical Management Terminology** • Classification societies and ship classification status • Survey schedules and maintenance planning • Ship documentation, certification, and compliance with regulations • Technical communication related to repairs and maintenance
8	**Midterm Examination and Review Session** • Written and oral assessment of terminology, ship systems, and communication practices
9	**Maritime Law and Administration English**

	• National and international maritime organizations (IMO, ILO, SOLAS, MARPOL) • Basic maritime law concepts: collision, salvage, and general average • Insurance terminology and port state control inspections
10	**Ship Documents and Cargo Documentation** • Ship certificates, port clearance documents, and cargo documentation • Bill of Lading, Cargo Manifest, Mate's Receipt • Understanding and completing maritime forms in English
11	**Maritime Records and Correspondence** • Ship's logbook entries, engine room log, cargo operations record • Formal and informal maritime correspondence • Writing protest letters and official communications
12	**Maintenance and Repair Terminology** • Maintenance planning and record-keeping • Dry-docking procedures and technical documentation • Fault reporting, damage assessment, and repair correspondence
13	**Survey and Inspection English** • Types of surveys: class, flag state, and port state inspections • Checklists, reporting procedures, and communication with surveyors • English expressions used during inspections and safety audits
14	**Communication and Emergency English** • IMO Standard Marine Communication Phrases (SMCP) • VHF communication between ship, shore, and VTS • Emergency and distress message formats • Multinational crew communication and bridge resource management
15	**Medical and Safety Communication English** • Medical terms for body parts, diseases, and first aid • Communicating medical emergencies at sea • Using medical sections of the International Code of Signals and the International Medical Guide for Ships • Final review and preparation for the final exam

Methods and Techniques used in the Course

Lectures and Interactive Discussions – Theoretical knowledge of maritime terminology, communication structures, and operational language is delivered through instructor-led sessions and class discussions.

Audio-Visual Learning – Use of multimedia tools such as maritime communication videos, ship operation recordings, and simulated distress calls to improve listening and comprehension skills.

Simulation and Role-Playing Exercises – Students participate in simulated shipboard and port communication scenarios (e.g., VHF radio exchanges, distress calls, cargo operation dialogues) to practice real-life communication.

Reading and Writing Exercises – Focused on technical manuals, maritime reports, log entries, and standard marine communication documents to enhance reading comprehension and technical writing proficiency.

Case Studies and Problem-Based Learning – Analysis of real maritime incidents and reports to develop critical thinking and communication strategies under operational and emergency conditions.

Group Work and Oral Presentations – Students collaborate on group assignments and deliver presentations related to ship operations, safety procedures, and maritime regulations.

Listening and Pronunciation Practice – Exercises emphasizing correct pronunciation, stress, and intonation of maritime English to ensure clarity in radio and onboard communication.

Vocabulary and Terminology Workshops – Intensive practice on specific maritime vocabulary including navigation, engineering, cargo handling, meteorology, and safety.

Use of IMO Standard Marine Communication Phrases (SMCP) – Regular drills and exercises to ensure familiarity and fluency in standardized maritime communication.

Assessment and Feedback Sessions – Continuous formative assessment through quizzes, oral evaluations, and peer feedback to monitor and improve students' performance throughout the semester.

Sample Questions

- Define the term **"Gross Tonnage"** and explain its significance in ship classification.
- What is the difference between **bulk carriers** and **container ships**?
- What are the main duties of the **Chief Engineer** and **Chief Officer** on board?
- Translate into English: "Gemi, fırtınalı havada demirlemede sorun yaşadı."
- List three **firefighting appliances** found on a ship.
- What are the differences between **lifeboats** and **life rafts**?
- Explain the meaning of **IMO Number** and its purpose.
- What does **VTS** stand for, and what is its role in maritime safety?
- Write three examples of **bridge communication commands** used during maneuvering.
- What is the function of the **bilge system** on board a vessel?
- Complete the sentence: "The _____ is responsible for the maintenance of the main engine."
- Define **"Class Society"** and give two examples.
- What kind of information can be found in the **Ship's Logbook**?
- What is the English term for "Deniz Haritası"?
- Translate the following phrase: "Prepare the vessel for dry docking."
- What are **INCOTERMS**, and why are they important in maritime trade?
- Explain briefly what **"Port State Control"** means.
- Fill in the blanks: "In case of fire on board, the crew must report to the _____ station immediately."

- Define **GMDSS** and list its main components.
- What are the primary types of **emergency messages** transmitted in maritime communication?
- What is the correct English phrase for sending a distress call according to **SMCP**?
- Explain the purpose of **IAMSAR Manual**.
- What is the difference between **Distress**, **Urgency**, and **Safety** messages?
- Fill in the blanks: "Mayday" is used for _____ situations, while "Pan-Pan" is used for _____ situations.
- What are the essential steps for **radio communication during an emergency**?
- What kind of information must be included in a **medical emergency report**?
- Define **Plagiarism** in the context of logbook or report writing.
- What are the safety measures during **fuel transfer operations**?
- Explain the function of the **emergency generator**.
- What is the importance of **standardized maritime terminology** in multi-national crews?
- Give examples of **communication breakdowns** that could lead to accidents.
- Briefly explain how **cultural and linguistic diversity** affects communication on ships.

Materials Used in the Course

Primary Textbooks

- *English for Maritime Studies* – Tony Grice, Cambridge University Press.
- *Maritime English: A Textbook for Seafarers* – Pritchard, Oxford Maritime Series.
- *SMCP (Standard Marine Communication Phrases)* – International Maritime Organization (IMO).

Supplementary Materials

- *Maritime English Handbook* – Peter Trenkner.
- *English for the Maritime Industry* – Virginia Evans & Jenny Dooley.
- *Nautical Dictionary and Glossary of Maritime Terms* – Capt. H. Black.

International Conventions and Official Documents

- *SOLAS (Safety of Life at Sea Convention)*
- *MARPOL (International Convention for the Prevention of Pollution from Ships)*
- *STCW (Standards of Training, Certification and Watchkeeping for Seafarers)*
- *COLREG (International Regulations for Preventing Collisions at Sea)*

Multimedia and Digital Resources

- IMO e-learning platform and digital SMCP simulator.
- Authentic **VHF radio communication recordings** and **ship bridge videos**.
- Interactive maritime terminology exercises (online platforms such as *MarTEL* and *Seagull LMS*).

Instructor-Prepared Materials

- Lecture slides and vocabulary lists for each week.
- Sample logbook pages, ship documents, and charter party examples.
- Case studies based on real maritime incidents and communications.

Practical Tools and Equipment

- VHF communication simulator.
- Ship plans, drawings, and technical manuals.
- Training charts, nautical publications, and meteorological reports.

All the above listed books are available at UoK's Grand Library

Program Outcomes Matrix

	Program Outcomes	*Level of Contribution				Targeted Competence Areas
		0	1	2	3	
1	Demonstrate comprehensive knowledge of navigation sciences, ship handling, cargo operations, and seamanship in accordance with STCW requirements.				✓	Technical & Navigational Expertise
2	Operate and manage shipboard systems, electronic navigation equipment (ECDIS, ARPA, GMDSS), and emerging smart technologies with precision and reliability.				✓	Digital Navigation & Operations
3	Apply maritime safety standards, emergency procedures, and risk assessment practices to ensure the safety of life at sea and environmental protection.				✓	Safety & Risk Management
4	Employ advanced meteorology, oceanography, and route planning methods to optimize voyages under changing environmental and economic conditions.				✓	Voyage Planning & Environmental Awareness
5	Demonstrate leadership, decision-making, and crisis management skills in multicultural and interdisciplinary maritime teams.				✓	Leadership & Decision-Making
6	Apply international maritime law, conventions, and flag state regulations in navigation, cargo management, and ship operations.			✓		Maritime Law & Compliance
7	Manage cargo operations (loading, stowage, securing, and discharge) with attention to safety, efficiency, and international trade standards.			✓		Cargo & Logistics Management
8	Integrate principles of sustainability and green shipping in ship operations, voyage optimization, and environmental protection measures.				✓	Sustainability & Environmental Stewardship
9	Utilize project management, business acumen, and managerial competencies for effective maritime transport operations and logistics planning.				✓	Project & Transport Management
10	Communicate effectively in maritime English, applying IMO SMCP (Standard Marine Communication Phrases) and professional reporting techniques.				✓	Maritime Communication
11	Commit to ethical conduct, professional responsibility, and respect for cultural diversity within the global maritime workforce.			✓		Ethics & Professionalism
12	Engage in lifelong learning, continuous professional development, and adaptation to technological innovations in the maritime transport sector.			✓		Lifelong Learning & Adaptability

***0:** No Contribution
1: Little Contribution
2: Partial Contribution
3: Full Contribution

Program Outcomes /Course Learning Outcomes Matrix **Level of Contribution**:**0**-No Contribution **1**-Little Contribution **2**-Partial Contribution **3**-Full Contribution										
PO	**CLO1**	**CLO2**	**CLO3**	**CLO4**	**CLO5**	**CLO6**	**CLO7**	**CLO8**	**CLO9**	**CLO10**
PO1	3	3	3	3	3	3	3	2	3	3
PO2	2	3	3	2	3	3	3	2	3	3
PO3	2	2	3	3	2	2	3	3	3	3
PO4	1	2	2	2	2	2	2	2	2	2
PO5	3	3	3	3	3	3	3	2	3	3
PO6	1	2	2	1	2	2	2	2	2	2
PO7	1	1	1	1	1	1	1	1	2	3
PO8	1	1	1	1	1	1	1	1	1	1
PO9	1	1	1	1	2	1	2	2	2	2
PO10	1	2	2	2	2	2	2	2	2	3
PO11	1	1	1	1	1	1	1	1	1	2
PO12	1	1	1	1	1	1	1	1	1	1

Course Learning Outcomes/ Evaluation Method		
CLO	**Teaching Method**	**Assessment Method**
CLO1 – Key Maritime Terminology	Lecture, Multimedia Presentation, Vocabulary Exercises	Quizzes, Assignments, Participation
CLO2 – Effective Shipboard Communication	Role-Playing, Simulation, Group Activities	Observation, Oral Presentations, Practical Exercises
CLO3 – IMO SMCP Usage	Lecture, Scenario-Based Simulation, Case Studies	Assignments, Practical Exams, Quizzes
CLO4 – Ship Structure & Classification	Lecture, Diagrams, Technical Demonstrations	Quizzes, Written Exams, Assignments
CLO5 – Maritime Documentation	Lecture, Hands-on Document Practice, Tutorials	Assignments, Practical Exams, Quizzes
CLO6 – Marine Safety & Environmental Terms	Lecture, Case Studies, Practical Drills	Quizzes, Lab Reports, Practical Exercises
CLO7 – Written & Oral Communication	Workshops, Writing Exercises, Presentations	Written Reports, Oral Exams, Assignments
CLO8 – Maritime Law & Administrative Terminology	Lecture, Discussion, Case Studies	Quizzes, Written Exams, Assignments
CLO9 – Emergency & Distress Communication	Simulation, Role-Playing, Scenario-Based Learning	Practical Exams, Observation, Assignments
CLO10 – Multinational Crew Communication	Group Projects, Collaborative Activities, Simulation	Project Reports, Peer Evaluation, Observation

ECTS / Workload Table			
Activities	**Number**	**Duration (Hours)**	**Total Workload**
Preparation for lectures	**15**	**1**	**15**
Lectures	**15**	**3**	**45**
Midterm Exam	**1**	**2**	**2**
Preparation for Midterm Exam	**1**	**6**	**6**
Final Exam	**1**	**2**	**2**
Preparation for Final Exam	**1**	**6**	**6**
Presentation(s)	-	-	-
Preparation for Presentation(s)	-	-	-
Research for Project(s)/Essay(s)	-	-	-
Project Writing	-	-	-
Group Work	-	-	-
In-class Discussion(s)	**15**	**1**	**15**
Quiz(es)	-	-	-
Preparation for Quiz(es)	-	-	-
Laboratory	-	-	-
Assignment(s)/Homework/Class Works	**1**	**10**	**10**
Micro-Teaching Sessions	-	-	-
Lesson Planning	-	-	-
Materials Adaptation	-	-	-
Material Development	-	-	-
Draft Preparation	-	-	-
Drawing	-	-	-
Essay Writing	-	-	-
Tutorial(s)	-	-	-
Portfolio Preparation	-	-	-
Portfolio Presentation	-	-	-
Total Workload			**111**
ECTS Credit			**4**

Evaluation System		
Semester Requirements	**Number**	**Percentage of Grade**
Attendance/Participation	1	10
Laboratory	-	-
Application	-	-
Field Work	-	-
Special Course Internship (Work Placement)	-	-
Homework/Assignments	1	10
Providing reliability and motivation of the individual homework completion and Submission	-	-
Presentation/Jury	-	-
Project	-	-
Quiz	-	-
Midterms/Oral Exams	1	30
Final/Oral Exams	1	50
Total	**4**	**100**

	Percentage	**Course Grade**	**Coefficient**
Grading Policy	90-100	AA	4.0
	85-89	BA	3.5
	80-84	BB	3.0
	75-79	CB	2.5
	70-74	CC	2.0
	60-69	DC	1.5
	50-59	DD	1.0
	49 and below	FF	0.0
	Less than 70% attendance	NA	-
Course Requirements and Policies	• Alerted attendance at the lectures is essential! • Students are expected to check frequently the instructor's web page for the course announcements. • University of Kyrenia honor code will be strictly enforced regarding any issues concerning cheating.		

University of Kyrenia

Faculty of Maritime Studies

Maritime Transportation Management Engineering

Syllabus

Course name: Maritime Meteorology							
Code	**Year**	**Semester**	**Credit**	**ECTS**	**Course application, Hour/Week**		
					Theoretical	**Application**	**Laboratory**
MET201	II	Fall	2	6	1	2	0
Course type: Compulsory				**Prerequisite: x**		**Language:** English	
% Contribution to the Professional Fundamental Component				**Basic Sciences**	**Engineering Science**	**Engineering Design**	**General Education**
				50	-	-	50
Course Venue and Time				Monday / 09:30 – 11:20			
Instructor information				**Doç. Dr. Serkan Sancak** Faculty of Maritime Studies Wednesday / 09:00 - 12:00 +90 (392) 650 26 00 / 4060 serkan.sancak@kyrenia.edu.tr www.kyrenia.edu.tr			

Course Description	This course provides students with a comprehensive understanding of meteorological concepts and their direct applications to maritime operations. It covers the structure and dynamics of the atmosphere, pressure and wind systems, cloud formation, precipitation, visibility, and weather forecasting. Emphasis is placed on the use of meteorological instruments onboard ships, interpretation of meteorological data, and the integration of weather information into safe navigation and voyage planning.
Course Aims and Objectives	• To introduce the fundamental principles of meteorology relevant to maritime operations. • To develop knowledge and skills in the use of meteorological instruments onboard ships. • To provide understanding of atmospheric structures, weather systems, and their effects on navigation. • To enable students to interpret, record, and report meteorological observations accurately. • To equip students with the ability to analyze and apply weather forecasts for safe and efficient voyage planning.
Course Learning Outcomes	**CLO1:** Identify and operate the key meteorological instruments used onboard ships accurately. **CLO2:** Explain the structure, composition, and fundamental physical characteristics of the atmosphere. **CLO3:** Interpret atmospheric pressure patterns, wind systems, cloud formations, precipitation, and visibility phenomena relevant to maritime navigation. **CLO4:** Understand and analyze pressure systems, including low-pressure areas, anticyclones, and associated weather patterns. **CLO5:** Utilize maritime weather services and effectively integrate weather forecasts into navigational decision-making. **CLO6:** Record, interpret, and report shipboard meteorological observations following international standards and protocols. **CLO7:** Apply meteorological knowledge to assess navigational safety and support voyage planning. **CLO8:** Analyze meteorological data to predict and respond to changing sea and weather conditions.

	CLO9: Demonstrate the ability to communicate weather-related information clearly to crew and officers for operational purposes. **CLO10:** Integrate theoretical and practical meteorology skills to make informed decisions in real-world maritime scenarios.

Content of the Course

Week	*Subject*
1	**Meteorological Instruments on Board Ships** • Introduction to meteorological observation tools used in maritime navigation. • Barometers, thermometers, hygrometers, anemometers, and their principles of operation. • Practical usage and calibration for accurate weather data collection. **English Maritime Terminology (**Meteorology in English**)** • Terms used in meteorological reports • Recording weather and sea conditions in the logbook
2	**Atmosphere: Structure and Physical Properties** • Composition of the atmosphere. • Vertical layers (troposphere, stratosphere, etc.) and their characteristics. • Thermal and dynamic processes affecting weather phenomena.
3	**Atmospheric Pressure** • Definition and measurement of air pressure. • Isobars and pressure distribution on weather charts. • Relation between pressure and weather changes.
4	**Wind Systems** • Formation and dynamics of wind. • Beaufort scale and practical wind estimation at sea. • Relation between pressure gradients and wind velocity/direction.
5	**Clouds and Precipitation** • Classification of clouds and their significance in weather forecasting. • Mechanisms of precipitation: rain, snow, hail, drizzle. • Observation techniques and reporting.
6	**Visibility at Sea** • Factors affecting visibility (fog, haze, precipitation, dust, etc.). • International definitions of visibility ranges for navigation. • Techniques for estimating and reporting visibility conditions.
7	**Winds and Pressure Systems over Oceans** • General circulation of the atmosphere over oceans. • Trade winds, westerlies, doldrums, and monsoon systems. • Their impact on maritime navigation and voyage planning.
8	**Structure of Low-Pressure Systems** • Cyclones: tropical and extratropical. • Structure, life cycle, and hazards for ships. • Identification on synoptic charts.
9	**Anticyclones and Other Pressure Systems** • High-pressure systems and their influence on maritime weather.

	• Fronts and frontal weather (warm front, cold front, occluded front). • Other systems: troughs, ridges, and convergence zones.
10	**Marine Meteorological Services** • Weather information services for mariners (NAVTEX, SafetyNET, VHF broadcasts). • Role of WMO (World Meteorological Organization) in maritime safety. • Use of weather charts and forecasts during navigation.
11	**Recording and Reporting Weather Observations** • Standard methods of recording shipboard weather observations. • Coding and transmission procedures (SHIP reports, SYNOP codes). • Importance of accurate data for global forecasting.
12	**Weather Forecasting Principles** • Basic techniques of meteorological forecasting. • Interpretation of synoptic charts and weather maps. • Practical forecasting methods for mariners.
13	**Applied Marine Meteorology** • Case studies of meteorological phenomena affecting ship navigation. • Decision-making based on meteorological data. • Voyage planning under varying weather conditions.
14	**Review and Integration** • General revision of all topics. • Practical exercises on weather chart analysis, observation reporting, and forecasting.
15	Final Exam

Methods and Techniques used in the Course

- Lectures and classroom discussions
- Demonstrations of meteorological instruments
- Case studies and problem-solving exercises
- Analysis of weather charts and bulletins
- Group assignments and presentations
- Simulation-based applications (where available)

Sample Questions

- Define atmospheric pressure and explain how it is measured on board a ship.
- List three meteorological instruments commonly used on ships and briefly describe their functions.
- What are the main differences between cyclones (low-pressure systems) and anticyclones (high-pressure systems)?
- Explain the term “visibility” in maritime meteorology and identify at least two factors that reduce visibility at sea.
- State the types of clouds associated with heavy rainfall and thunderstorms.
- Which of the following instruments is used to measure wind speed and direction?
  a) Barometer
  b) Anemometer
  c) Hygrometer
  d) Thermometer
- Which global wind system is most significant for ocean navigation near the equator?
  a) Westerlies
  b) Trade Winds
  c) Polar Easterlies
  d) Monsoon Winds
- A barometer reading suddenly drops from 1012 hPa to 996 hPa within a few hours.
  - What type of weather system is approaching?
  - What precautions should a ship’s officer take in navigation?
- A vessel sailing in the North Atlantic receives a weather chart showing an approaching low-pressure system with closely spaced isobars.
  - Explain the expected wind conditions.
  - Discuss how this might affect route planning and ship operations.
- Prepare a short weather observation log entry, including pressure, temperature, wind, visibility, and cloud cover, for a hypothetical voyage scenario.
- Discuss the importance of accurate meteorological observations in ensuring maritime safety.
- Explain how international weather services (e.g., NAVTEX, EGC, and meteorological bulletins) assist shipmasters in voyage planning.
- Evaluate the role of weather forecasting in preventing maritime accidents and improving operational efficiency.

Materials Used in the Course

Textbooks:

- Bowditch, N. The American Practical Navigator.
- Houghton, J. The Physics of Atmospheres.
- Admiralty Manual of Navigation (Meteorology Sections).

Supplementary Materials:

- IMO Model Course 7.03 (Officer in Charge of a Navigational Watch).
- Meteorological charts and weather bulletins (NAVTEX, EGC, etc.).
- Shipboard meteorological instruments and logbooks.

All the above listed books are available at UoK's Grand Library

Program Outcomes Matrix

	Program Outcomes	*Level of Contribution				Targeted Competence Areas
		0	1	2	3	
1	Demonstrate comprehensive knowledge of navigation sciences, ship handling, cargo operations, and seamanship in accordance with STCW requirements.				✓	Technical & Navigational Expertise
2	Operate and manage shipboard systems, electronic navigation equipment (ECDIS, ARPA, GMDSS), and emerging smart technologies with precision and reliability.				✓	Digital Navigation & Operations
3	Apply maritime safety standards, emergency procedures, and risk assessment practices to ensure the safety of life at sea and environmental protection.				✓	Safety & Risk Management
4	Employ advanced meteorology, oceanography, and route planning methods to optimize voyages under changing environmental and economic conditions.				✓	Voyage Planning & Environmental Awareness
5	Demonstrate leadership, decision-making, and crisis management skills in multicultural and interdisciplinary maritime teams.				✓	Leadership & Decision-Making
6	Apply international maritime law, conventions, and flag state regulations in navigation, cargo management, and ship operations.			✓		Maritime Law & Compliance
7	Manage cargo operations (loading, stowage, securing, and discharge) with attention to safety, efficiency, and international trade standards.			✓		Cargo & Logistics Management
8	Integrate principles of sustainability and green shipping in ship operations, voyage optimization, and environmental protection measures.				✓	Sustainability & Environmental Stewardship
9	Utilize project management, business acumen, and managerial competencies for effective maritime transport operations and logistics planning.				✓	Project & Transport Management
10	Communicate effectively in maritime English, applying IMO SMCP (Standard Marine Communication Phrases) and professional reporting techniques.				✓	Maritime Communication
11	Commit to ethical conduct, professional responsibility, and respect for cultural diversity within the global maritime workforce.			✓		Ethics & Professionalism
12	Engage in lifelong learning, continuous professional development, and adaptation to technological innovations in the maritime transport sector.			✓		Lifelong Learning & Adaptability

***0:** No Contribution
1: Little Contribution
2: Partial Contribution
3: Full Contribution

Program Outcomes /Course Learning Outcomes Matrix **Level of Contribution**:**0**-No Contribution **1**-Little Contribution **2**-Partial Contribution **3**-Full Contribution										
PO	**CLO1**	**CLO2**	**CLO3**	**CLO4**	**CLO5**	**CLO6**	**CLO7**	**CLO8**	**CLO9**	**CLO10**
PO1	3	3	3	2	3	2	3	2	2	3
PO2	2	2	2	2	3	3	2	2	2	2
PO3	2	2	3	3	3	3	3	3	2	3
PO4	1	2	2	2	2	2	2	2	2	2
PO5	3	3	3	3	3	3	3	3	3	3
PO6	2	2	2	2	2	2	3	2	2	3
PO7	1	1	2	1	2	2	2	2	1	2
PO8	1	1	1	1	1	1	1	1	1	1
PO9	1	1	1	1	2	1	1	1	1	2
PO10	1	2	2	2	2	2	2	2	2	2
PO11	1	1	1	1	1	1	1	1	1	1
PO12	1	1	1	1	1	1	1	1	1	1

Course Learning Outcomes/ Evaluation Method		
CLO	**Teaching Method**	**Assessment Method**
CLO1 – Meteorological Instruments	Lecture, Demonstration, Hands-on Practice	Quizzes, Lab Reports, Practical Exams
CLO2 – Atmospheric Structure	Lecture, Multimedia Presentation, Case Studies	Quizzes, Assignments, Midterm Exam
CLO3 – Weather Phenomena Interpretation	Lecture, Group Discussions, Simulations	Quizzes, Assignments, Practical Exercises
CLO4 – Pressure Systems Analysis	Lecture, Case Studies, Simulation Exercises	Assignments, Midterm Exam, Practical Exams
CLO5 – Maritime Weather Services	Lecture, Tutorial, Simulation Exercises	Assignments, Quizzes, Practical Exercises
CLO6 – Meteorological Observations	Hands-on Practice, Lab Exercises, Demonstration	Lab Reports, Observation Checklists, Practical Exams
CLO7 – Navigational Safety Application	Scenario-Based Exercises, Group Work	Practical Exams, Project Reports, Assignments
CLO8 – Data Analysis & Prediction	Problem-Based Learning, Simulation, Case Studies	Assignments, Practical Exercises, Midterm Exam
CLO9 – Communication of Weather Information	Role-Playing, Group Exercises, Multimedia Presentation	Observation, Assignments, Quizzes
CLO10 – Integrated Meteorology Skills	Simulation, Scenario-Based Learning, Group Projects	Project Reports, Practical Exams, Assignments

ECTS / Workload Table			
Activities	**Number**	**Duration (Hours)**	**Total Workload**
Preparation for lectures	**15**	**3**	**45**
Lectures	**15**	**1**	**15**
Midterm Exam	**1**	**2**	**2**
Preparation for Midterm Exam	**1**	**8**	**8**
Final Exam	**1**	**2**	**2**
Preparation for Final Exam	**1**	**10**	**10**
Presentation(s)	**-**	**-**	**-**
Preparation for Presentation(s)	**-**	**-**	**-**
Research for Project(s)/Essay(s)	**-**	**-**	**-**
Project Writing	**-**	**-**	**-**
Group Work	**-**	**-**	**-**
In-class Discussion(s)	**15**	**1**	**15**
Quiz(es)	**-**	**-**	**-**
Preparation for Quiz(es)	**-**	**-**	**-**
Laboratory	**-**	**-**	**-**
Assignment(s)/Homework/Class Works	**5**	**4**	**20**
Individual Reading / Research	**10**	**2**	**20**
Lesson Planning	**-**	**-**	**-**
Materials Adaptation	**-**	**-**	**-**
Material Development	**-**	**-**	**-**
Draft Preparation	**-**	**-**	**-**
Drawing	**-**	**-**	**-**
Essay Writing	**-**	**-**	**-**
Tutorial(s)	**-**	**-**	**-**
Portfolio Preparation	**-**	**-**	**-**
Portfolio Presentation	**-**	**-**	**-**
Total Workload			**137**
ECTS Credit			**6**

Evaluation System		
Semester Requirements	**Number**	**Percentage of Grade**
Attendance/Participation	15	10
Laboratory	-	-
Application	-	-
Field Work	-	-
Special Course Internship (Work Placement)	-	-
Homework/Assignments	1	10
Providing reliability and motivation of the individual homework completion and Submission	-	-
Presentation/Jury	-	-
Project	-	-
Quiz	-	-
Midterms/Oral Exams	1	30
Final/Oral Exams	1	50
Total	**4**	**100**

	Percentage	**Course Grade**	**Coefficient**
Grading Policy	90-100	AA	4.0
	85-89	BA	3.5
	80-84	BB	3.0
	75-79	CB	2.5
	70-74	CC	2.0
	60-69	DC	1.5
	50-59	DD	1.0
	49 and below	FF	0.0
	Less than 70% attendance	NA	-
Course Requirements and Policies	• Alerted attendance at the lectures is essential! • Students are expected to check frequently the instructor's web page for the course announcements. • University of Kyrenia honor code will be strictly enforced regarding any issues concerning cheating.		

University of Kyrenia

Faculty of Maritime Studies

Maritime Transportation Management Engineering

Syllabus

Course name: Ship Construction I							
Code	**Year**	**Semester**	**Credit**	**ECTS**	**Course application, Hour/Week**		
					Theoretical	**Application**	**Laboratory**
NRC201	II	Fall	3	3	3	0	0
Course type: Compulsory				**Prerequisite: x**		**Language:** English	
% Contribution to the Professional Fundamental Component				**Basic Sciences**	**Engineering Science**	**Engineering Design**	**General Education**
				20	40	40	-
Course Venue and Time				Friday / 09:30 – 11:20			
Instructor information				**Prof. Dr. Deniz Ünsalan** Faculty of Maritime Studies Wednesday / 09:00 - 12:00 +90 (392) 650 26 00 / 4060 deniz.unsalan@kyrenia.edu.tr www.kyrenia.edu.tr			

Course Description	This course provides students with fundamental knowledge of ship construction, stability, and heat transfer principles essential for marine engineering. The first part of the course focuses on ship geometry, hull structures, propulsion systems, and the fundamentals of transverse, longitudinal, dynamic, and damaged stability. Students will learn to analyze hydrostatic properties, stability curves, and the effects of loading conditions on vessel performance. The second part of the course introduces the concepts of heat transfer, including conduction, convection, and radiation. Special emphasis is placed on practical applications such as boundary layers, boiling and condensation processes, and heat exchange between surfaces. Through theoretical instruction, problem-solving, and applied case studies, the course aims to equip students with the technical background required for ship design, safe operation, and marine engineering problem-solving.
Course Aims and Objectives	The aim of this course is to provide students with a comprehensive understanding of ship construction, stability, and heat transfer principles that are fundamental to marine engineering. The course is designed to develop both theoretical knowledge and practical problem-solving skills necessary for ship design, safe operation, and engineering analysis. • Understand the fundamentals of ship geometry, hull form, and structural components. • Identify and explain propulsion systems, rudders, and related hydrodynamic effects. • Analyze ship stability in transverse, longitudinal, dynamic, and damaged conditions. • Interpret hydrostatic data, stability curves, and the effects of loading conditions on ship performance. • Gain knowledge of the principles of heat transfer, including conduction, convection, and radiation. • Apply analytical methods to solve steady-state and transient heat transfer problems in marine systems. • Relate theoretical knowledge to practical applications in shipbuilding, operation, and safety. • Develop critical thinking and problem-solving skills through case studies and applied exercises.

Course Learning Outcomes	**CLO1:** Analyze and describe ship geometry, hull forms, and structural components, including midship sections, deck camber, and form coefficients. **CLO2:** Explain the principles of ship propulsion systems, propeller types, cavitation, rudders, and their effects on ship maneuverability. **CLO3:** Calculate and evaluate transverse, longitudinal, and dynamic stability of ships under various loading conditions. **CLO4:** Assess damaged ship stability, including methods for determining drafts, trim, and weight distribution after flooding or structural damage. **CLO5:** Interpret hydrostatic curves, inclining experiment results, and stability criteria according to IMO regulations. **CLO6:** Apply principles of heat transfer—conduction, convection, and radiation—in marine engineering contexts. **CLO7:** Solve one-dimensional, radial, and multi-dimensional heat conduction problems, including transient and steady-state scenarios. **CLO8:** Evaluate hydraulic and thermal boundary layers and flow regimes using Reynolds number analysis. **CLO9:** Analyze heat transfer during condensation and boiling, and between opposing surfaces in marine systems. **CLO10:** Integrate theoretical knowledge with practical applications through problem-solving, case studies, and design exercises relevant to ship construction and marine engineering.

Content of the Course

Week	*Subject*
1	**Introduction to Ship Geometry** Dimensions, forms, and coefficient of forms
2	**Ship Lines and Plans** Body plan, sheer plan, half-breadth plan, midship section
3	**Tonnages** Gross, net, deadweight, and special tonnages; bow and stern forms
4	**Hull Structures and Structural Elements** Keel, bottom structures, and floors
5	**Framing System** Frames, beams, longitudinals, bulkheads, and pillars
6	**Structural Fittings** Shell plating, watertight bulkheads, tanks, sea chests, bilges, manholes, air pipes
7	**Propulsion Systems I** Propeller types, definitions, and cavitation phenomena
8	**Propulsion Systems II** Slip ratio, rudders and rudder types, twin-screw arrangements
9	**Transverse Stability** Displacement, draft, buoyancy, load lines, hydrostatic curves, and GM calculations
10	**Transverse Stability II** Initial stability, equilibrium conditions, inclining experiments, righting levers, Simpson's rule
11	**Dynamic Stability** IMO weather criteria, static and dynamic stability curves, free surface effects
12	**Trim and Longitudinal Stability** Effect of density changes, transfer problems, small and large loading/unloading operations
13	**Damaged Ship Stability** Loss of buoyancy, added weight and permeability methods, effects on stability and trim
14	**Ship Trim, Stability, and Stress Calculations** Displacement, draft survey, trim, GM, and longitudinal stress calculations
15	**Propeller and Rudder Effects** Fixed and controllable pitch propellers, single vs. twin-screw ships, rudder effects on maneuvering

Methods and Techniques used in the Course

Lectures:

- Theoretical presentations of ship construction principles, structural design, stability, and hull geometry.
- Use of diagrams, ship plans, and hydrostatic tables to illustrate key concepts.

Practical Exercises:

- Solving ship stability and hydrostatics problems.
- Calculation of displacement, trim, and stability parameters.
- Analysis of damaged ship stability scenarios.

Case Studies and Examples:

- Analysis of real ship construction cases to apply theoretical knowledge.
- Discussions on various hull forms, structural layouts, and stability challenges.

Group Work and Problem-Solving Sessions:

- Collaborative exercises to enhance analytical and decision-making skills.
- Application of IMO stability criteria in practical scenarios.

Simulation/Software Tools:

- Use of ship design and stability software for hydrostatics calculations and stability assessments.

In-class Discussions:

- Interactive discussions on best practices in ship construction and safety considerations.

Assignments/Homework:

- Individual tasks to reinforce theoretical knowledge and analytical skills.
- Preparation of reports and solutions for given ship stability or structural problems.

Quizzes and Assessments:

- Regular evaluation of students' understanding of key concepts.

Sample Questions

Hull Geometry and Form:

- Explain the difference between block coefficient (Cb), midship coefficient (Cm), and prismatic coefficient (Cp). How do these coefficients affect a ship's performance and stability?

Structural Components:

- Describe the function of bulkheads, frames, decks, and pontoons in a ship's hull. How do they contribute to the overall strength and watertight integrity of the vessel?

Hydrostatics and Stability:

- A ship has a displacement of 10,000 tons and a center of gravity at 6 m above the keel. Calculate the metacentric height (GM) if the transverse moment of inertia is 80,000 m^4 and the waterplane area is 1,500 m^2. Discuss the implications of the GM value for transverse stability.

Trim and Longitudinal Stability:

- A vessel undergoes partial loading: 200 tons are loaded at the bow and 150 tons at the stern. Calculate the resulting change in trim and draft if the ship's longitudinal center of flotation is at 50 m from the bow and the longitudinal moment to change trim 1 cm is 10 ton·m/cm.

Damaged Ship Stability:

- Explain the procedures to assess the stability of a damaged ship according to IMO criteria. How do added weights, flooding, or compartment damage affect draft, trim, and overall stability?

Materials Used in the Course

Textbooks and Reference Books:

- "Ship Construction" – David J. Eyres & George J. Bruce (Latest Edition)
- "Principles of Naval Architecture" – Volume II: Stability, Strength, and Design (SNAME)
- "Ship Hydrostatics and Stability" – Adrian Biran
- "Ship Design and Construction" – American Bureau of Shipping (ABS) Guide

Supplementary Reading:

- Research papers on ship hull optimization and stability
- IMO guidelines on damaged ship stability and safety regulations
- Case studies of recent shipbuilding projects

Software / Simulation Tools:

- Hydrostatic and stability calculation software (e.g., Maxsurf, NAPA)
- Structural analysis programs for ships (e.g., ANSYS, RhinoShip)
- Spreadsheet tools for hydrostatic and weight calculations

Other Materials:

- Ship lines plans, cross-sections, and midship plans
- Drafting and design templates
- Laboratory models or scaled ship sections for demonstration

All the above listed books are available at UoK's Grand Library

Program Outcomes Matrix

	Program Outcomes	*Level of Contribution				Targeted Competence Areas
		0	1	2	3	
1	Demonstrate comprehensive knowledge of navigation sciences, ship handling, cargo operations, and seamanship in accordance with STCW requirements.				✓	Technical & Navigational Expertise
2	Operate and manage shipboard systems, electronic navigation equipment (ECDIS, ARPA, GMDSS), and emerging smart technologies with precision and reliability.				✓	Digital Navigation & Operations
3	Apply maritime safety standards, emergency procedures, and risk assessment practices to ensure the safety of life at sea and environmental protection.				✓	Safety & Risk Management
4	Employ advanced meteorology, oceanography, and route planning methods to optimize voyages under changing environmental and economic conditions.				✓	Voyage Planning & Environmental Awareness
5	Demonstrate leadership, decision-making, and crisis management skills in multicultural and interdisciplinary maritime teams.				✓	Leadership & Decision-Making
6	Apply international maritime law, conventions, and flag state regulations in navigation, cargo management, and ship operations.			✓		Maritime Law & Compliance
7	Manage cargo operations (loading, stowage, securing, and discharge) with attention to safety, efficiency, and international trade standards.			✓		Cargo & Logistics Management
8	Integrate principles of sustainability and green shipping in ship operations, voyage optimization, and environmental protection measures.				✓	Sustainability & Environmental Stewardship
9	Utilize project management, business acumen, and managerial competencies for effective maritime transport operations and logistics planning.				✓	Project & Transport Management
10	Communicate effectively in maritime English, applying IMO SMCP (Standard Marine Communication Phrases) and professional reporting techniques.				✓	Maritime Communication
11	Commit to ethical conduct, professional responsibility, and respect for cultural diversity within the global maritime workforce.			✓		Ethics & Professionalism
12	Engage in lifelong learning, continuous professional development, and adaptation to technological innovations in the maritime transport sector.			✓		Lifelong Learning & Adaptability

***0:** No Contribution
1: Little Contribution
2: Partial Contribution
3: Full Contribution

Program Outcomes /Course Learning Outcomes Matrix **Level of Contribution**:**0**-No Contribution **1**-Little Contribution **2**-Partial Contribution **3**-Full Contribution										
PO	**CLO1**	**CLO2**	**CLO3**	**CLO4**	**CLO5**	**CLO6**	**CLO7**	**CLO8**	**CLO9**	**CLO10**
PO1	3	3	3	3	3	2	2	2	2	3
PO2	2	2	2	2	2	3	3	2	2	3
PO3	2	2	3	3	3	2	3	2	2	3
PO4	1	1	2	2	2	3	2	2	2	2
PO5	3	3	3	2	3	3	3	3	3	3
PO6	2	2	2	2	2	2	2	2	2	2
PO7	1	1	1	1	1	1	1	1	1	1
PO8	1	1	1	1	1	1	1	1	1	1
PO9	1	1	1	1	1	1	1	1	1	1
PO10	1	1	2	2	2	2	2	2	2	2
PO11	1	1	1	1	1	1	1	1	1	2
PO12	1	1	1	1	1	1	1	1	1	2

Course Learning Outcomes/ Evaluation Method		
CLO	**Teaching Method**	**Assessment Method**
CLO1	Lecture, Multimedia Presentation, Case Studies	Quizzes, Assignments, Midterm Exam
CLO2	Lecture, Demonstration, Problem-Solving Sessions	Quizzes, Assignments, Practical Exercises
CLO3	Lecture, Simulation Exercises, Case Studies	Assignments, Midterm Exam, Practical Exercises
CLO4	Lecture, Tutorials, Group Exercises	Lab Reports, Quizzes, Assignments
CLO5	Lecture, Bridge/Shipboard Simulations, Practical Exercises	Practical Exams, Lab Reports, Assignments
CLO6	Lecture, Tutorials, Problem-Based Learning	Quizzes, Assignments, Practical Exercises
CLO7	Role-Playing, Group Work, Simulation	Observation, Assignments, Practical Exams
CLO8	Problem-Based Learning, Case Studies, Simulation Exercises	Assignments, Midterm Exam, Practical Exercises
CLO9	Lecture, Discussions, Case Studies	Quizzes, Assignments, Participation
CLO10	Scenario-Based Exercises, Simulation, Group Projects	Project Reports, Practical Exams, Assignments

ECTS / Workload Table			
Activities	**Number**	**Duration (Hours)**	**Total Workload**
Preparation for lectures	**15**	**1**	**15**
Lectures	**15**	**2**	**30**
Midterm Exam	**1**	**2**	**2**
Preparation for Midterm Exam	**1**	**4**	**4**
Final Exam	**1**	**2**	**2**
Preparation for Final Exam	**1**	**4**	**4**
Presentation(s)	-	-	-
Preparation for Presentation(s)	-	-	-
Research for Project(s)/Essay(s)	-	-	-
Project Writing	**1**	**5**	**5**
Group Work	-	-	-
In-class Discussion(s)	**15**	**1**	**15**
Quiz(es)	-	-	-
Preparation for Quiz(es)	-	-	-
Laboratory	-	-	-
Assignment(s)/Homework/Class Works	**2**	**5**	**10**
Individual Reading / Research	-	-	-
Lesson Planning	-	-	-
Materials Adaptation	-	-	-
Material Development	-	-	-
Draft Preparation	-	-	-
Drawing	-	-	-
Essay Writing	-	-	-
Tutorial(s)	-	-	-
Portfolio Preparation	-	-	-
Portfolio Presentation	-	-	-
Total Workload			**87**
ECTS Credit			**3**

Evaluation System		
Semester Requirements	**Number**	**Percentage of Grade**
Attendance/Participation	-	-
Laboratory	-	-
Application	-	-
Field Work	-	-
Special Course Internship (Work Placement)	-	-
Homework/Assignments	2	10
Providing reliability and motivation of the individual homework completion and Submission	-	-
Presentation/Jury	-	-
Project	1	10
Quiz	-	-
Midterms/Oral Exams	1	30
Final/Oral Exams	1	50
Total	**5**	**100**

	Percentage	**Course Grade**	**Coefficient**
Grading Policy	90-100	AA	4.0
	85-89	BA	3.5
	80-84	BB	3.0
	75-79	CB	2.5
	70-74	CC	2.0
	60-69	DC	1.5
	50-59	DD	1.0
	49 and below	FF	0.0
	Less than 70% attendance	NA	-
Course Requirements and Policies	• Alerted attendance at the lectures is essential! • Students are expected to check frequently the instructor's web page for the course announcements. • University of Kyrenia honor code will be strictly enforced regarding any issues concerning cheating.		

University of Kyrenia

Faculty of Maritime Studies

Maritime Transportation Management Engineering

Syllabus

Course name: Maritime Safety III							
Code	**Year**	**Semester**	**Credit**	**ECTS**	**Course application, Hour/Week**		
					Theoretical	**Application**	**Laboratory**
SAF201	II	Fall	3	3	2	2	0
Course type: Compulsory				**Prerequisite: x**		**Language:** English	
% Contribution to the Professional Fundamental Component				**Basic Sciences**	**Engineering Science**	**Engineering Design**	**General Education**
				30	-	-	70
Course Venue and Time				Wednesday 14.30-17.20			
Instructor information				**Cpt. Çağrı Deliceırmak** Faculty of Maritime Studies Wednesday / 09:00 – 12:00 +90 (392) 650 26 00 / 4060 cagri.deliceirmak@kyrenia.edu.tr www.kyrenia.edu.tr			

Course Description	This course offers comprehensive training in shipboard security, emergency management, and fire prevention for maritime professionals. It focuses on the role and responsibilities of the Ship Security Officer (SSO) and the Ship Security Plan (SSP) under international regulations, including the SOLAS, STCW, and ISPS Code. Students will gain knowledge of maritime security policies, risk assessment techniques, threat identification, vulnerability management, and firefighting organization and management. Additionally, this course provides comprehensive training in firefighting organization on ships, as well as search and rescue procedures for assisting vessels and people in distress. The course will be conducted in accordance with the IMO Model Courses 2.03, and 3.19, as well as the national regulation "Egitim Sinav Yonergesi 2025" of the Turkish Republic. Successful students will obtain mandatory STCW certificates of (1); Advanced Firefighting, (2); Ship Security Officer. Emphasis is placed on practical applications, including drills, simulations, and coordinated emergency procedures to ensure safe and effective shipboard operations. By integrating theoretical knowledge with practical exercises, the course prepares students to enhance firefighting and ship security organization, implement safety and security measures, respond effectively to onboard emergencies, and assist the vessels in distress in compliance with international maritime standards.
Course Aims and Objectives	The course aims to equip students with the knowledge, skills, and competencies necessary to ensure shipboard safety and security, advanced firefighting, and search-and-rescue capabilities. It emphasizes understanding maritime security policies, recognizing threats, managing risks, and effectively responding to emergencies, including fire and search-and-rescue operations. Students will also learn to operate and maintain onboard safety and security systems in accordance with international regulations. This combination of theoretical and practical training prepares students for real-world maritime safety and security challenges. • Understand the concept of maritime security. • Understand the duties and responsibilities of the Master, SSO, CSO, PFSO, as well as the content of the SSP and SSA. • Comprehend and identify potential security threats, vulnerabilities, and risks onboard a vessel, and implement suitable security measures to ensure effective security management.

	• Acquire and apply advanced competencies in firefighting and fire emergency management organizations. • Acquire knowledge and engage in the practice of operating, testing, and maintaining onboard firefighting and security equipment and systems. • Comprehend the significance of shipboard drills and simulations in preparing for emergencies. • Enhance overall situational awareness, communication, and coordination skills during maritime emergencies. • Comprehend and proficiently execute search and rescue protocols at sea.
Course Learning Outcomes	**LO1**: Demonstrate a comprehensive understanding of maritime security policies, regulations, and conventions (SOLAS, STCW, ISPS). **LO2**: Identify, evaluate, and mitigate security risks, threats, and vulnerabilities on board vessels. **LO3**: Implement and effectively monitor ship security plans and related procedures. **LO4**: Demonstrate advanced knowledge and skills in firefighting operations and organizations on board. **LO5**: Operate, test, and maintain shipboard fire and security equipment. **LO6**: Plan and execute training sessions, drills, and simulations to ensure ongoing compliance with safety and security protocols and prepare detailed reports and evaluations of safety and security incidents for regulatory and operational purposes. **LO7**: Demonstrate advanced skills in situational awareness, communication, coordination, and decision-making during complex maritime emergencies. **LO8**: Effectively respond to the distress alerts of other ships and conduct search and rescue operations for the survivors at sea.

Content of the Course

Week	*Subject*
1	**Introduction to Maritime Security and Safety Policies** Terminology and related maritime English terms History of maritime criminal activities Current threats: piracy, armed robbery, terrorism, smuggling Ship and port operations overview Key definitions, terminology, and responsibilities of states under SOLAS Security organization: company, ship, and port facility responsibilities International regulations on maritime security
2	**Security Responsibilities** Terminology and related maritime English terms Purpose and structure of Ship Security Plans (SSP) Procedures for implementing SSP and reporting security incidents Maritime security levels and critical ship/port security measures Confidentiality and communication of security information Internal audits, inspections, and monitoring procedures
3	**Ship Security Plan Implementation and Oversight** Terminology and related maritime English terms Legal framework for Ship Security Officer (SSO) actions Role of the Master, SSO, Company Security Officer, Port Facility Security Officer Other personnel involved in maritime security
4	**Security Risk, Threat, and Vulnerability Assessment** Terminology and related maritime English terms Risk assessment methods and tools Security documentation and reporting Identification of potential threats, weapons, and hazardous materials Crowd management and coordination Handling sensitive information and security communications
5	**Onboard Security Inspections** Terminology and related maritime English terms Restricted area monitoring and control of access Monitoring of the deck and ship perimeter Security procedures for cargo handling and personnel movement Security measures and coordination in port and ship-to-ship operations
6	**Operation, Testing, and Calibration of Security Equipment** Terminology and related maritime English terms Security equipment types and operational limitations Alarm systems and onboard communication protocols Testing, calibration, and maintenance of security systems Security exercises, drills, training per IMO guidelines, and their evaluations Methods to improve security awareness and onboard readiness
7	**Advanced Fire-Fighting – Principles** Terminology and related maritime English terms

	Fire chemistry and classes of fire Fire prevention and firefighting equipment Organizational and tactical considerations in port and at sea Fire impact on vessel stability and corrective measures
8	**Advanced Fire-Fighting – Systems and Operations** Terminology and related maritime English terms Firefighting team organization and roles Fire detection, fixed and portable extinguishing systems Coordination, communication, and ventilation control
9	**Advanced Fire-Fighting – Systems and Operations** Terminology and related maritime English terms Firefighting team organization and roles Contingency Plans and Team Management Coordination, communication, and ventilation control
10	**Advanced Fire-Fighting – Systems and Operations** Terminology and related maritime English terms Firefighting involving fuel, chemical, and electrical systems Handling hazardous materials and storage safety Control of fuel and electrical systems Dangers caused by fire.
11	**Fire Incident Investigation and Reporting** Terminology and related maritime English terms Legal and classification society reporting requirements Fire event cause analysis Documentation and lessons learned
12	**Search and Rescue Operations** Terminology and related maritime English terms Assisting to a distressed ship, preparations, procedures, and legal aspects Surviving people from a distressed ship Emergency in port
13	**Search and Rescue Operations** Terminology and related maritime English terms IAMSAR Search and Rescue methods and techniques Coordination and communication in search and rescue operations
14	**Search and Rescue Operations** Terminology and related maritime English terms IAMSAR Search and Rescue methods and techniques Coordination and communication in search and rescue operations
15	**Review and Final Evaluation** Recap of maritime safety policies, risk assessment, and emergency procedures Practical assessment and scenario-based exercises Evaluation of student competence in shipboard safety and security operations

Methods and Techniques used in the Course

Lectures and Interactive Discussions – Covering maritime security policies, safety regulations, and risk management principles.

Case Studies – Analysis of real-world maritime security incidents, accidents, and emergencies.

Practical Drills and Simulations – Hands-on training for firefighting, emergency response, collision, grounding, and man-overboard scenarios.

Workshops – Focused sessions on the operation, calibration, and maintenance of safety and security equipment.

Role-Playing Exercises – Simulating shipboard emergencies to develop communication, teamwork, and leadership skills.

Shipboard Security and Safety Plan Exercises – Developing, implementing, and auditing security plans in simulated environments.

Multimedia Resources – Use of instructional videos, manuals, and interactive modules to reinforce theoretical knowledge.

Group Projects – Collaborative exercises on risk assessment, emergency planning, and safety audits.

Quizzes and Written Assignments – Assessing comprehension of regulations, safety procedures, and maritime security practices.

Assessment of Competency in Equipment Use – Practical evaluation of students' abilities to operate firefighting and safety systems effectively.

Sample Questions

- Define the role and responsibilities of a Ship Security Officer (SSO) under international regulations.
- Explain the procedures for implementing and monitoring a Ship Security Plan (SSP).
- Describe methods to identify and assess potential security threats, including piracy and armed robbery.
- Outline the steps for fire detection, alarm, and firefighting on board, and the coordination required among crew members.
- Discuss the correct use and maintenance of shipboard security equipment and systems.
- Describe how to conduct regular security inspections and audits to ensure compliance with ISPS Code.
- Describe the organization and training requirements of firefighting teams on board a vessel.
- Explain the search and rescue methods and techniques in a distress alert.

Materials Used in the Course

Textbooks and Reference Books

- Lecturer Notes, Related IMO Model Courses and STCW (Standards of Training, Certification, and Watchkeeping) manuals.
- SOLAS Consolidated Edition, ISPS Code, LSA Code, FSS Code, The Fire Fighting System Guidance, Fire Prevention and Fire Fighting, IAMSAR Manual
- Related IMO Model Courses and STCW (Standards of Training, Certification, and Watchkeeping) manuals.
- Maritime Safety textbooks covering ISPS and ship security, fire prevention and firefighting, shipboard emergency procedures, including SOLAS, STCW, ISPS Code, LSA Code, and FSS Code
    - SOLAS Consolidated Edition
    - ISPS Code Guidelines
    - LSA Code
    - FSS Code
    - The Fire Fighting System Guidance
    - Fire Prevention and Fire Fighting
    - IAMSAR Manual

Supplementary Resources

- Instructional videos demonstrate emergency response techniques, personal safety, and the use of protective equipment.
- Interactive simulations of onboard emergency scenarios, including collision, flooding, fire, and piracy attacks.
- CCTV, Hand-held VHF, detectors, sensors, and locking systems.
- Firefighting equipment, CO2 system, Fireman's Outfit and BA Sets, Hoses, Nozzles, Detection Systems and Alarms
- Shipboard training manuals and emergency plans.
- Practical drill checklists for emergency response.
- Evaluation sheets for ship security and firefighting operations.
- Risk assessment templates for security threats and onboard hazards.

All the above listed books are available at UoK's Grand Library

Program Outcomes Matrix

	Program Outcomes	*Level of Contribution				Targeted Competence Areas
		0	1	2	3	
1	Demonstrate comprehensive knowledge of navigation sciences, ship handling, cargo operations, and seamanship in accordance with STCW requirements.				✓	Technical & Navigational Expertise
2	Operate and manage shipboard systems, electronic navigation equipment (ECDIS, ARPA, GMDSS), and emerging smart technologies with precision and reliability.			✓		Digital Navigation & Operations
3	Apply maritime safety standards, emergency procedures, and risk assessment practices to ensure the safety of life at sea and environmental protection.				✓	Safety & Risk Management
4	Employ advanced meteorology, oceanography, and route planning methods to optimize voyages under changing environmental and economic conditions.			✓		Voyage Planning & Environmental Awareness
5	Demonstrate leadership, decision-making, and crisis management skills in multicultural and interdisciplinary maritime teams.				✓	Leadership & Decision-Making
6	Apply international maritime law, conventions, and flag state regulations in navigation, cargo management, and ship operations.			✓		Maritime Law & Compliance
7	Manage cargo operations (loading, stowage, securing, and discharge) with attention to safety, efficiency, and international trade standards.				✓	Cargo & Logistics Management
8	Integrate principles of sustainability and green shipping in ship operations, voyage optimization, and environmental protection measures.			✓		Sustainability & Environmental Stewardship
9	Utilize project management, business acumen, and managerial competencies for effective maritime transport operations and logistics planning.			✓		Project & Transport Management
10	Communicate effectively in maritime English, applying IMO SMCP (Standard Marine Communication Phrases) and professional reporting techniques.				✓	Maritime Communication
11	Commit to ethical conduct, professional responsibility, and respect for cultural diversity within the global maritime workforce.			✓		Ethics & Professionalism
12	Engage in lifelong learning, continuous professional development, and adaptation to technological innovations in the maritime transport sector.				✓	Lifelong Learning & Adaptability

***0:** No Contribution
1: Little Contribution
2: Partial Contribution
3: Full Contribution

Program Outcomes /Course Learning Outcomes Matrix **Level of Contribution**:**0**-No Contribution **1**-Little Contribution **2**-Partial Contribution **3**-Full Contribution										
PO	**CLO1**	**CLO2**	**CLO3**	**CLO4**	**CLO5**	**CLO6**	**CLO7**	**CLO8**	**CLO9**	**CLO10**
PO1	3	3	3	3	3	3	3	3	x	x
PO2	3	3	3	3	3	3	3	3	x	x
PO3	3	3	3	3	3	3	3	3	x	x
PO4	2	2	2	2	2	2	2	2	x	x
PO5	3	3	3	3	3	3	3	3	x	x
PO6	3	3	3	3	3	3	3	3	x	x
PO7	3	3	3	3	3	3	3	3	x	x
PO8	2	2	2	2	2	2	2	2	x	x
PO9	2	2	2	1	1	1	1	1	x	x
PO10	3	3	3	3	3	3	3	3	x	x
PO11	3	3	3	3	3	3	3	3	x	x
PO12	3	3	3	3	3	3	3	3	x	x

Course Learning Outcomes/ Evaluation Method		
CLO	**Teaching Method**	**Assessment Method**
LO1	Lectures, Practical Applications, Case Studies, and Discussions	Midterm Exam, Practical Exam, Final Exam, Assignment
LO2	Lectures, Practical Applications, Case Studies, and Discussions	Midterm Exam, Practical Exam, Final Exam, Assignment
LO3	Lectures, Practical Applications, Case Studies, and Discussions	Midterm Exam, Practical Exam, Final Exam, Assignment
LO4	Lectures, Practical Applications, Case Studies, and Discussions	Midterm Exam, Practical Exam, Final Exam, Assignment
LO5	Lectures, Practical Applications, Case Studies, and Discussions	Midterm Exam, Practical Exam, Final Exam, Assignment
LO6	Lectures, Practical Applications, Case Studies, and Discussions	Midterm Exam, Practical Exam, Final Exam, Assignment
LO7	Lectures, Practical Applications, Case Studies, and Discussions	Midterm Exam, Practical Exam, Final Exam, Assignment
LO8	Lectures, Practical Applications, Case Studies, and Discussions	Midterm Exam, Practical Exam, Final Exam, Assignment

ECTS / Workload Table			
Activities	**Number**	**Duration (Hours)**	**Total Workload**
Preparation for lectures	**15**	**1**	**15**
Lectures	**15**	**3**	**45**
Midterm Exam	**1**	**1**	**1**
Preparation for Midterm Exam	**1**	**5**	**5**
Final Exam	**1**	**1**	**1**
Preparation for Final Exam	**1**	**5**	**5**
Presentation(s)	-	-	-
Preparation for Presentation(s)	-	-	-
Research for Project(s)/Essay(s)	-	-	-
Project Writing	-	-	-
Group Work	-	-	-
In-class Discussion(s)	**15**	**1**	**15**
Quiz(es)	-	-	-
Preparation for Quiz(es)	-	-	-
Laboratory	-	-	-
Assignment(s)/Homework/Class Works	**2**	**5**	**10**
Micro-Teaching Sessions	-	-	-
Lesson Planning	-	-	-
Materials Adaptation	-	-	-
Material Development	-	-	-
Draft Preparation	-	-	-
Drawing	-	-	-
Essay Writing	-	-	-
Tutorial(s)	-	-	-
Portfolio Preparation	-	-	-
Portfolio Presentation	-	-	-
Total Workload			**97**
ECTS Credit			**3**

Evaluation System		
Semester Requirements	**Number**	**Percentage of Grade**
Attendance/Participation	1	10
Laboratory	-	-
Application	1	20
Field Work (Class Work)	-	-
Special Course Internship (Work Placement)	-	-
Assignment(s)/Homework/Class Works	2	20
Providing reliability and motivation of the individual homework completion and Submission	-	-
Presentation/Jury	-	-
Project	-	-
Quiz	-	-
Midterms/Oral Exams	1	20
Final/Oral Exams	1	30
Total	**6**	**100**

	Percentage	**Course Grade**	**Coefficient**
Grading Policy	90-100	AA	4.0
	85-89	BA	3.5
	80-84	BB	3.0
	75-79	CB	2.5
	70-74	CC	2.0
	60-69	DC	1.5
	50-59	DD	1.0
	49 and below	FF	0.0
	Less than 70% attendance	NA	-
Course Requirements and Policies	• Alerted attendance at the lectures is essential! • Students are expected to check the instructor's web page frequently for the course announcements. • The University of Kyrenia honor code will be strictly enforced regarding any issues concerning cheating.		

University of Kyrenia

Faculty of Maritime Studies

Maritime Transportation Management Engineering

Syllabus

Course name: Turkish I: Written Expression							
Code	**Year**	**Semester**	**Credit**	**ECTS**	**Course application, Hour/Week**		
					Theoretical	**Application**	**Laboratory**
TUR101	II	Fall	2	2	2	0	0
Course type: Compulsory Elective				**Prerequisite: x**		**Language:** English	
% Contribution to the Professional Fundamental Component				**Basic Sciences**	**Engineering Science**	**Engineering Design**	**General Education**
				-	-	-	100
Course Venue and Time				Friday / 13:30 – 15:20			
Instructor information				**Aydoğan Erkan** Faculty of Maritime Studies Friday / 09:00 – 12:00 +90 (392) 650 26 00 / 4060 aydogan.erkan@kyrenia.edu.tr www.kyrenia.edu.tr			

Course Description	*Turkish I: Written Expression* is designed to provide students with a comprehensive understanding of the fundamental aspects of written Turkish. The course focuses on the phonetic features of the language, word stress, word types, phrase and sentence structures, and the use of suffixes. Additionally, students will learn the purposes and rules of punctuation marks, as well as the spelling conventions of Turkish. Through practical examples and exercises, the course aims to develop students' ability to construct grammatically correct sentences and coherent texts, enhancing both their writing accuracy and clarity. This foundation prepares students for effective written communication in academic and everyday contexts.
Course Aims and Objectives	To develop students' understanding of the fundamental grammatical structure of the Turkish language. To enhance students' ability to write correctly using proper spelling, punctuation, and sentence structures. To provide students with a comprehensive understanding of Turkish phonetics, word formation, and morphological rules. To improve students' written communication skills in various contexts, emphasizing clarity and accuracy. • Recognize and apply the phonetic features of Turkish in written form. • Correctly use word stress patterns to convey meaning in writing. • Identify and appropriately use different word types (nouns, verbs, adjectives, adverbs, conjunctions, etc.) in sentences. • Construct phrases and sentences following the rules of Turkish syntax. • Apply suffixes correctly in nouns, verbs, and derivational forms. • Utilize punctuation marks effectively to structure written texts clearly. • Apply Turkish spelling rules consistently in written communication. • Analyze and correct common grammatical and orthographic errors in writing. • Compose coherent paragraphs that reflect proper grammar, vocabulary, and sentence structure.
Course Learning Outcomes	**CLO1 – Phonetics** Demonstrate understanding of Turkish phonetic features and apply them correctly in writing. **CLO2 – Word Stress** Identify and apply proper word stress patterns in written texts. **CLO3 – Word Types** Distinguish between different word types and use them accurately in sentences.

	CLO4 – Syntax Construct grammatically correct phrases and sentences following Turkish syntax rules. **CLO5 – Morphology** Apply nouns, verbs, and derivational suffixes appropriately in written communication. **CLO6 – Punctuation** Use punctuation marks effectively to enhance clarity and coherence in writing. **CLO7 – Spelling** Apply Turkish spelling rules accurately in all written exercises. **CLO8 – Error Correction** Recognize and correct common grammatical and orthographic errors in written Turkish. **CLO9 – Paragraph Composition** Compose clear and coherent paragraphs that reflect proper grammar, vocabulary, and sentence structure. **CLO10 – Integrated Writing Skills** Integrate phonetics, morphology, syntax, spelling, punctuation, and vocabulary to produce well-structured written texts.

Content of the Course

Week	*Subject*
1	**Introduction & Course Orientation** • Overview of the course objectives • Importance of written expression in Turkish • Introduction to basic phonetic features
2	**Phonetics and Pronunciation** • Turkish vowel and consonant sounds • Word stress patterns in Turkish • Common pronunciation rules
3	**Word Types in Turkish I** • Nouns, pronouns, adjectives, verbs, adverbs • Examples of usage in sentences • Basic exercises
4	**Word Types in Turkish II** • Conjunctions, prepositions, interjections, numerals • Role of each word type in sentence structure
5	**Phrase Structures I** • Definition of phrases in Turkish • Noun phrases and verb phrases • Examples and exercises
6	**Phrase Structures II** • Adjective phrases, adverbial phrases • Combining phrases for meaning • Practice exercises
7	**Sentence Types I** • Simple sentences • Compound sentences • Examples and sentence formation
8	**Sentence Types II** • Complex sentences • Subordinate clauses • Practice with sentence combination
9	**Suffixes I** • Noun suffixes: plural, possessive, case suffixes • Usage and examples
10	**Suffixes II** • Verb suffixes: tense, aspect, mood, person markers • Derivational suffixes • Exercises for application
11	**Punctuation Marks I** • Period, comma, colon, semicolon, question and exclamation marks • Rules and correct usage in sentences
12	**Punctuation Marks II** • Quotation marks, parentheses, hyphen, ellipsis, dash • Practical exercises in writing

13	**Spelling Rules I** • Common spelling rules in Turkish • Vowel harmony and consonant changes • Exercises with examples
14	**Spelling Rules II & Review** • Advanced spelling rules and exceptions • Review of phonetics, word types, suffixes, sentence and phrase structures • Writing practice
15	**Final Assessment & Writing Practice** • Composing short texts using learned rules • Peer review and instructor feedback • Final written assessment

Methods and Techniques used in the Course

Lectures and Explanations – Presenting grammatical rules, word structures, suffixes, and spelling conventions in Turkish with examples in English.

Text Analysis – Analyzing sample sentences and paragraphs to illustrate correct usage of words, suffixes, and punctuation.

Writing Exercises – Guided practice in composing sentences, paragraphs, and short texts using the learned grammar and spelling rules.

Drills and Repetition – Exercises focusing on phonetics, word stress, and suffix application to reinforce learning.

Error Correction and Feedback – Reviewing student writing, identifying errors, and providing corrective feedback.

Group Work and Peer Review – Collaborative exercises where students check each other's writing for grammar, spelling, and clarity.

Use of Visual Aids – Charts, tables, and diagrams to illustrate sentence structures, suffix usage, and punctuation rules.

Quizzes and Mini-Assessments – Regular short assessments to evaluate understanding of grammar, word formation, and writing skills.

Homework Assignments – Written tasks to reinforce classroom learning and develop independent writing skills.

Practical Application – Exercises in writing letters, notes, or short essays to simulate real-life written communication.

Sample Questions

Phonetics and Word Stress

- Identify the stressed syllable in the following words: *kitap, öğrenci, mutluluk.*
- Explain the phonetic difference between the letters “c” and “ç” in Turkish with examples.

Word Types (Parts of Speech)

- Classify the underlined words in the sentence: “Ali hızlı koşuyor ve mutlu görünüyor.” (Noun, verb, adjective, etc.)
- Provide an example of a Turkish pronoun and use it in a sentence.

Suffixes

- Add the appropriate possessive suffix to the noun “ev” (house) to indicate “my house” and “our house.”
- Transform the verb “gitmek” (to go) into its past tense using the correct suffix.

Phrase and Sentence Structures

- Identify the subject and predicate in the sentence: “Öğrenciler derse erken geldi.”
- Rewrite the following sentence in negative form: “Ali kitabı okudu.”

Sentence Types

- Convert the following declarative sentence into an interrogative sentence: “Sen bugün okula gidiyorsun.”
- Provide an example of an imperative sentence in Turkish.

Punctuation and Spelling Rules

- Correct the punctuation in the following sentence: “Ali geldi ve Ayşe de geldi mi?”
- Identify the spelling mistake in the sentence: “Okulda öğrenciler çalışıyorlar.”

Writing Skills / Short Composition

- Write 3–5 sentences introducing yourself, mentioning your family and hobbies.
- Write a short paragraph describing your favorite day of the week and why you like it.

Practical Application

- Fill in the blanks with the correct suffixes: “Kitap___ masada duruyor.” (indicating possession)
- Rewrite the following informal text message in proper written Turkish, paying attention to spelling and punctuation.

Materials Used in the Course

Textbooks and Reference Books

- *Turkish Grammar for Foreigners* – A comprehensive guide to Turkish phonetics, grammar, and sentence structure.
- *Elementary Turkish: A Grammar and Workbook* – Provides examples and exercises for practice in word types, suffixes, and sentence formation.
- *Turkish: A Comprehensive Grammar* – Advanced reference for punctuation rules, spelling conventions, and written expression.

Workbooks and Exercises

- Course-specific exercise booklets focusing on phonetics, suffix usage, and sentence construction.
- Short composition and writing practice exercises designed for weekly assignments.

Digital Resources

- Online Turkish language platforms for interactive exercises in grammar, vocabulary, and punctuation.
- Audio recordings of native speakers for practicing pronunciation and stress patterns.

Supplementary Materials

- Handouts and notes provided by the instructor, covering key topics such as suffixes, sentence types, and punctuation rules.
- Visual aids for explaining phrase structures and word stress patterns.
- Sample texts for reading and writing practice, including letters, emails, and short essays.

Assessment Tools

- Quizzes, in-class exercises, and writing assignments to reinforce learning.
- Peer-review exercises for written compositions to encourage collaborative learning and feedback.

All the above listed books are available at UoK's Grand Library

Program Outcomes Matrix

	Program Outcomes	*Level of Contribution				Targeted Competence Areas
		0	1	2	3	
1	Demonstrate comprehensive knowledge of navigation sciences, ship handling, cargo operations, and seamanship in accordance with STCW requirements.				✓	Technical & Navigational Expertise
2	Operate and manage shipboard systems, electronic navigation equipment (ECDIS, ARPA, GMDSS), and emerging smart technologies with precision and reliability.				✓	Digital Navigation & Operations
3	Apply maritime safety standards, emergency procedures, and risk assessment practices to ensure the safety of life at sea and environmental protection.				✓	Safety & Risk Management
4	Employ advanced meteorology, oceanography, and route planning methods to optimize voyages under changing environmental and economic conditions.				✓	Voyage Planning & Environmental Awareness
5	Demonstrate leadership, decision-making, and crisis management skills in multicultural and interdisciplinary maritime teams.				✓	Leadership & Decision-Making
6	Apply international maritime law, conventions, and flag state regulations in navigation, cargo management, and ship operations.			✓		Maritime Law & Compliance
7	Manage cargo operations (loading, stowage, securing, and discharge) with attention to safety, efficiency, and international trade standards.			✓		Cargo & Logistics Management
8	Integrate principles of sustainability and green shipping in ship operations, voyage optimization, and environmental protection measures.				✓	Sustainability & Environmental Stewardship
9	Utilize project management, business acumen, and managerial competencies for effective maritime transport operations and logistics planning.				✓	Project & Transport Management
10	Communicate effectively in maritime English, applying IMO SMCP (Standard Marine Communication Phrases) and professional reporting techniques.				✓	Maritime Communication
11	Commit to ethical conduct, professional responsibility, and respect for cultural diversity within the global maritime workforce.			✓		Ethics & Professionalism
12	Engage in lifelong learning, continuous professional development, and adaptation to technological innovations in the maritime transport sector.			✓		Lifelong Learning & Adaptability

***0:** No Contribution
1: Little Contribution
2: Partial Contribution
3: Full Contribution

Program Outcomes /Course Learning Outcomes Matrix **Level of Contribution**:**0**-No Contribution **1**-Little Contribution **2**-Partial Contribution **3**-Full Contribution										
PO	**CLO1**	**CLO2**	**CLO3**	**CLO4**	**CLO5**	**CLO6**	**CLO7**	**CLO8**	**CLO9**	**CLO10**
PO1	3	3	2	2	3	2	2	2	3	3
PO2	2	2	2	2	2	2	1	2	2	2
PO3	2	2	2	3	2	2	2	2	3	3
PO4	1	1	1	2	1	2	2	2	2	2
PO5	2	2	2	2	2	2	2	2	2	3
PO6	2	2	2	2	2	2	2	2	2	2
PO7	1	1	2	2	1	2	2	2	2	2
PO8	1	1	1	1	1	1	1	2	2	2
PO9	1	1	1	1	1	1	1	1	2	2
PO10	2	2	2	2	2	2	2	2	2	3
PO11	1	1	1	1	1	1	1	1	1	2
PO12	1	1	1	1	1	1	1	1	1	2

Course Learning Outcomes/ Evaluation Method		
CLO	**Teaching Method**	**Assessment Method**
CLO1	Lecture, Pronunciation Drills, Guided Writing Exercises	Quizzes, Written Exercises, Oral Assessments
CLO2	Lecture, Stress Pattern Exercises, Listening and Writing Practice	Quizzes, Written Exercises, Oral Presentations
CLO3	Lecture, Vocabulary and Grammar Exercises, Sentence Construction Activities	Assignments, Quizzes, Written Exams
CLO4	Lecture, Sentence Building Exercises, Syntax Workshops	Written Assignments, Exams, Peer Reviews
CLO5	Lecture, Morphology Exercises, Guided Writing	Homework, Quizzes, Written Exercises
CLO6	Lecture, Punctuation Practice, Editing Exercises	Quizzes, Writing Assignments, Peer Feedback
CLO7	Lecture, Spelling Drills, Dictation Exercises	Quizzes, Written Assignments, Exams
CLO8	Lecture, Error Identification and Correction Exercises	Assignments, Quizzes, Written Exercises
CLO9	Lecture, Paragraph Construction Workshops, Peer Review	Written Paragraph Assignments, Rubric-Based Assessment
CLO10	Lecture, Integrated Writing Practice, Project-Based Exercises	Writing Projects, Portfolios, Exams

ECTS / Workload Table			
Activities	**Number**	**Duration (Hours)**	**Total Workload**
Preparation for lectures	**15**	**1**	**15**
Lectures	**15**	**2**	**30**
Midterm Exam	**1**	**3**	**3**
Preparation for Midterm Exam	**1**	**20**	**20**
Final Exam	**1**	**3**	**3**
Preparation for Final Exam	**1**	**20**	**20**
Presentation(s)	-	-	-
Preparation for Presentation(s)	-	-	-
Research for Project(s)/Essay(s)	-	-	-
Project Writing	-	-	-
Group Work	-	-	-
In-class Discussion(s)	-	-	-
Quiz(es)	-	-	-
Preparation for Quiz(es)	-	-	-
Laboratory	-	-	-
Assignment(s)/Homework/Class Works	-	-	-
Micro-Teaching Sessions	-	-	-
Lesson Planning	-	-	-
Materials Adaptation	-	-	-
Material Development	-	-	-
Draft Preparation	-	-	-
Drawing	-	-	-
Essay Writing	-	-	-
Tutorial(s)	-	-	-
Portfolio Preparation	-	-	-
Portfolio Presentation	-	-	-
Total Workload			**91**
ECTS Credit			**2**

Evaluation System		
Semester Requirements	**Number**	**Percentage of Grade**
Attendance/Participation	-	-
Laboratory	-	-
Application	-	-
Field Work	-	-
Special Course Internship (Work Placement)	-	-
Homework/Assignments	-	-
Providing reliability and motivation of the individual homework completion and Submission	-	-
Presentation/Jury	-	-
Project	-	-
Quiz	-	-
Midterms/Oral Exams	1	40
Final/Oral Exams	1	60
Total	**2**	**100**

	Percentage	**Course Grade**	**Coefficient**
Grading Policy	90-100	AA	4.0
	85-89	BA	3.5
	80-84	BB	3.0
	75-79	CB	2.5
	70-74	CC	2.0
	60-69	DC	1.5
	50-59	DD	1.0
	49 and below	FF	0.0
	Less than 70% attendance	NA	-
Course Requirements and Policies	• Alerted attendance at the lectures is essential! • Students are expected to check frequently the instructor's web page for the course announcements. • University of Kyrenia honor code will be strictly enforced regarding any issues concerning cheating.		