



University of Kyrenia
Maritime Vocational School
Maritime Management and Operations
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	I	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		<p style="text-align: center;">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</p>							

Course Description	<p>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.</p>
Course Aims and Objectives	<p>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.</p> <ul style="list-style-type: none"> • 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	<p>CLO1: Identify the main political, social, and economic factors that contributed to the decline of the Ottoman Empire.</p> <p>CLO2: Explain the impact of Western influence on Ottoman reform movements and modernization efforts.</p> <p>CLO3: Analyze the conditions that led to the Turkish National Struggle under Mustafa Kemal Atatürk's leadership.</p> <p>CLO4: Evaluate the role of national and international dynamics in the foundation of the Republic of Turkey.</p> <p>CLO5: Interpret primary historical sources and documents related to the late Ottoman and early Republican periods.</p> <p>CLO6: Discuss the importance of Atatürk's reforms and principles in the establishment of a modern, secular nation-state.</p> <p>CLO7: Develop a critical perspective on the transformation from an empire to a republic within the context of world history.</p> <p>CLO8: Apply historical knowledge to understand contemporary political and social issues in Turkey.</p>

Content of the Course

Week	Subject
1	<ul style="list-style-type: none"> • Introduction to the Course • Purpose, scope, and methodology of the course • Importance of Atatürk's Principles and History of Turkish Revolution
2	<ul style="list-style-type: none"> • The concept of revolution and reform • Basic definitions: state, nation, sovereignty, independence • General characteristics of the Ottoman Empire in the 19th century
3	<ul style="list-style-type: none"> • Internal and external problems of the Ottoman Empire • Political, economic, and cultural decline • First reform attempts (Tanzimat and Islahat Edicts)
4	<ul style="list-style-type: none"> • Constitutional movements in the Ottoman Empire • The First and Second Constitutional Periods • The role of intellectual movements in shaping modern ideas
5	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • The Ottoman Empire in World War I • Causes, alliances, and outcomes • Fronts where the Ottoman Empire fought
7	<ul style="list-style-type: none"> • Occupation of Anatolia after World War I • Armistice of Mondros and its consequences • Partition plans of the Allied Powers
8	<ul style="list-style-type: none"> • National Awakening in Anatolia • The emergence of national resistance organizations • Local congresses and their importance
9	<ul style="list-style-type: none"> • Mustafa Kemal Pasha's arrival in Samsun (19 May 1919) • The Amasya Circular and its significance • Erzurum and Sivas Congresses
10	<ul style="list-style-type: none"> • The establishment of the Representative Committee • National Pact (Misak-ı Milli) • Opening of the Turkish Grand National Assembly (23 April 1920)
11	<ul style="list-style-type: none"> • First period of the Turkish Grand National Assembly • Internal revolts and their suppression • Relations with Soviet Russia and the Treaty of Moscow
12	<ul style="list-style-type: none"> • War of Independence – First Phase • The Eastern and Southern fronts • Organization of the national army
13	<ul style="list-style-type: none"> • War of Independence – Western Front • First and Second Battles of İnönü • The Battle of Sakarya and its importance
14	<ul style="list-style-type: none"> • The Great Offensive and the Battle of Dumlupınar • Mudanya Armistice Agreement • Lausanne Peace Treaty
15	<ul style="list-style-type: none"> • 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 fundamental knowledge of maritime business, shipping operations, port management, and international logistics.				✓	Maritime Business & Operations
2	Apply principles of management, economics, and finance to ship operations, chartering, brokerage, and maritime organizational decision-making.				✓	Maritime Economics & Management
3	Understand and interpret international maritime law, conventions, and trade regulations including SOLAS, MARPOL, UNCLOS, and INCOTERMS.				✓	Maritime Law & Policy
4	Plan and manage port and terminal operations efficiently, considering cargo handling systems, port logistics, and intermodal transport networks.				✓	Port & Terminal Operations Management
5	Employ digital tools and data-driven approaches in ship management, fleet performance monitoring, and maritime logistics systems.				✓	Digital Maritime Operations
6	Integrate sustainability, environmental protection, and decarbonization principles into maritime and logistics operations in line with IMO GHG strategy.			✓		Sustainability & Green Shipping
7	Demonstrate competence in maritime risk assessment, safety management systems (ISM Code), and crisis response in ship and shore-based contexts.		✓			Safety & Risk Management
8	Exhibit leadership, teamwork, and communication skills necessary for multicultural and interdisciplinary maritime organizations.			✓		Leadership & Intercultural Communication
9	Apply marketing, logistics, and supply chain strategies to global shipping and maritime transport sectors.			✓		Global Logistics & Supply Chain Management
10	Prepare and analyze charter parties, bills of lading, and other shipping documents while managing cargo claims and marine insurance issues.			✓		Maritime Documentation & Insurance
11	Utilize effective business English and Maritime English for negotiation, correspondence, and documentation within international maritime contexts.		✓			Maritime Communication & Professional English
12	Demonstrate ethical awareness, corporate responsibility, and adherence to international professional standards in maritime and logistics management.		✓			Ethics & Corporate Responsibility
13	Develop research skills and analytical thinking to identify, evaluate, and solve complex problems in maritime transport and logistics systems.		✓			Analytical Thinking & Research Skills
14	Adapt to innovations such as digitalization, automation, and smart shipping technologies through continuous professional development.			✓		Innovation & Lifelong Learning
15	Apply entrepreneurship and strategic management principles to establish or develop maritime-related enterprises in a competitive global environment.		✓			Entrepreneurship & Strategic Management

*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		
PO13	1	1	1	1	2	2	2	3		
PO14	1	1	1	1	2	2	2	3		
PO15	1	1	1	1	2	2	2	3		

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

Grading Policy	Percentage	Course Grade	Coefficient
	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
Course Requirements and Policies	Less than 70% attendance	NA	-



University of Kyrenia
Maritime Vocational School
Maritime Management and Operations
Syllabus



Course name: Introduction to Business							
Code	Year	Semester	Credit	ECTS	Course application, Hour/Week		
					Theoretical	Application	Laboratory
EAS103	I	Fall	3	5	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 / 09:30 – 12:20				
Instructor information			<p>Assist. Prof. Emete Toros Faculty of Administrative Sciences and Economics Wednesday / 09:00 - 12:00 +90 (392) 650 26 00 / 4060 emete.toros@kyrenia.edu.tr www.kyrenia.edu.tr</p>				

Course Description	<p>This course provides a comprehensive overview of the fundamental principles, functions, and practices of modern business. It introduces students to the relationship between business and economics, emphasizing how organizations operate within competitive domestic and global environments. Key concepts such as ethics, social responsibility, and sustainable business practices are explored to highlight the role of organizations in society.</p> <p>The course examines major forms of business ownership, entrepreneurship, and the importance of small businesses in economic development. Students will gain an understanding of core management functions—including planning, organizing, leading, and controlling—as well as organizational structure, teamwork, and effective communication within the workplace.</p> <p>Additional topics include operations management, the production of quality goods and services, employee motivation, workforce dynamics, labor relations, and human resource management practices. The course also covers the art and science of marketing, focusing on value creation, consumer behavior, product development, pricing, distribution, and promotion strategies. The role of information technology and e-commerce in shaping today's business landscape is incorporated throughout the course.</p> <p>By integrating theory with real-world examples, this course equips students with foundational business knowledge and prepares them for further study in management, marketing, finance, and related fields.</p>
Course Aims and Objectives	<p>The primary aim of this course is to introduce students to the fundamental concepts, functions, and processes of contemporary business. The course provides a broad understanding of how businesses operate within economic, social, technological, and global environments. It also aims to develop students' foundational skills for analyzing business decisions and organizational practices.</p> <ul style="list-style-type: none"> • Understand the role of business in society and the relationship between business and economics. • Recognize the importance of ethics, social responsibility, and sustainable business practices. • Describe the challenges and opportunities of competing in a global economic environment. • Explain the impact of information technology and e-commerce on business operations. • Identify different forms of business ownership and understand their advantages and limitations.

	<ul style="list-style-type: none"> Understand the role of entrepreneurs and small business owners in economic development. Describe the basic functions of management, including planning, organizing, leading, and controlling. Understand organizational structures, teamwork, and the dynamics of effective collaboration. Explain the processes involved in producing high-quality goods and services. Recognize key principles of employee motivation, workforce trends, and labor relations. Understand human resource management practices, including recruitment, training, and performance evaluation. Explain essential marketing concepts and their role in creating customer value.
Course Learning Outcomes	<p>CLO1: Explain the fundamental concepts of business and economics and how businesses operate within various environments.</p> <p>CLO2: Discuss the role and importance of ethics and social responsibility in business decision-making.</p> <p>CLO3: Analyze how global economic conditions and international competition impact business strategies.</p> <p>CLO4: Describe the role of information technology and e-commerce in supporting and transforming business operations.</p> <p>CLO5: Identify and compare different forms of business ownership, outlining their advantages and limitations.</p> <p>CLO6: Explain the characteristics of entrepreneurs and small business owners and evaluate factors influencing entrepreneurial success.</p> <p>CLO7: Describe the fundamental functions of management, including planning, organizing, leading, and controlling.</p> <p>CLO8: Demonstrate an understanding of organizational structures, teamwork processes, and effective workplace communication.</p> <p>CLO9: Explain the principles of production and operations management, including quality management and service delivery.</p> <p>CLO10: Discuss key aspects of human resource management, including employee motivation, workforce trends, and labor relations.</p>

Content of the Course

Week	Subject
1	Introduction to Business and the Business Environment
2	Fundamentals of Economics and the Role of Business in the Economy
3	Business Ethics and Social Responsibility
4	Competing in the Global Economy: Globalization and International Business
5	Information Technology in Business and E-Commerce Applications
6	Forms of Business Ownership and Legal Structures
7	Entrepreneurship and Small Business Management
8	The Functions of Management: Planning and Decision-Making
9	Organizing, Leadership, and Teamwork in Organizations
10	Production of Goods and Services; Quality Management
11	Employee Motivation and Workforce Trends
12	Human Resource Management: Recruitment, Selection, and Training
13	Labor Relations and Employee Rights
14	Marketing: Principles, Strategy, and Market Research
15	Integrated Overview and Course Review

Methods and Techniques used in the Course

Lectures: Delivery of fundamental theories, concepts, and frameworks related to business.

Interactive Discussions: In-class discussions that promote critical thinking on business cases and current events.

Case Studies: Analysis of real or simulated business situations to enhance problem-solving and decision-making skills.

Group Work and Team Activities: Collaborative tasks that develop teamwork, communication, and organizational skills.

Presentations: Student presentations to strengthen research, analysis, and public speaking abilities.

Video and Multimedia Applications: Use of documentaries, business simulations, and multimedia tools to support learning.

Reading Assignments: Chapter-based readings to reinforce theoretical knowledge and prepare students for class activities.

Problem-Solving Exercises: Application of business principles through structured exercises and practical scenarios.

Guest Lectures (if applicable): Insights from industry professionals to connect theory with real-world business practices.

Online Learning Tools: Use of LMS platforms, digital resources, and business simulations to support blended learning.

Sample Questions

Short Answer / Definition Questions

- What is the difference between *profit* and *revenue* in business?
- Define *ethics* and explain why ethical behavior is important in business.
- What are the main characteristics of a *sole proprietorship*?
- Describe the concept of *corporate social responsibility (CSR)*.
- What is *motivation* in the context of employee behavior?

Essay / Long Answer Questions

- Explain the major functions of management and discuss how they contribute to organizational success.
- Discuss the importance of teamwork in modern organizations and explain the benefits of effective team collaboration.
- Compare and contrast the different forms of business ownership (sole proprietorship, partnership, corporation).
- Analyze the role of information technology and e-commerce in today's global business environment.
- Explain how globalization affects business operations and competition.

Case-Based Questions

- A small company plans to expand its operations into international markets. What factors should the managers consider before making this decision?
- An organization is experiencing low employee motivation. Based on motivation theories, what actions can management take to improve performance?
- A new entrepreneur is deciding whether to start the business alone or with partners. Based on the advantages and disadvantages of ownership forms, what would you recommend?

Multiple-Choice Questions

- Which of the following is NOT a function of management?
 - a) Planning
 - b) Organizing
 - c) Advertising
 - d) Controlling
- Which term refers to the business's obligation to contribute positively to society?
 - a) Market segmentation
 - b) Corporate social responsibility
 - c) Globalization
 - d) Benchmarking

Materials Used in the Course

Primary Textbooks

- **Griffin, R. W. (2023). *Fundamentals of Business*.**
McGraw-Hill Education.
- **Pride, W. M., Hughes, R. J., & Kapoor, J. R. (2022). *Business*.**
Cengage Learning.
- **Nickels, W. G., McHugh, J. M., & McHugh, S. M. (2021). *Understanding Business*.**
McGraw-Hill Education.

Recommended References

- **Ferrell, O. C., Hirt, G., & Ferrell, L. (2022). *Business: A Changing World*.**
McGraw-Hill Education.
- **Kotler, P., & Armstrong, G. (2023). *Principles of Marketing*.**
Pearson.
- **Robbins, S. P., & Coulter, M. (2021). *Management*.**
Pearson.
- **Hisrich, R. D., Peters, M. P., & Shepherd, D. A. (2020). *Entrepreneurship*.**
McGraw-Hill Education.
- **Laudon, K. C., & Laudon, J. P. (2022). *Management Information Systems: Managing the Digital Firm*.**
Pearson.

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 fundamental knowledge of maritime business, shipping operations, port management, and international logistics.				✓	Maritime Business & Operations
2	Apply principles of management, economics, and finance to ship operations, chartering, brokerage, and maritime organizational decision-making.				✓	Maritime Economics & Management
3	Understand and interpret international maritime law, conventions, and trade regulations including SOLAS, MARPOL, UNCLOS, and INCOTERMS.				✓	Maritime Law & Policy
4	Plan and manage port and terminal operations efficiently, considering cargo handling systems, port logistics, and intermodal transport networks.				✓	Port & Terminal Operations Management
5	Employ digital tools and data-driven approaches in ship management, fleet performance monitoring, and maritime logistics systems.				✓	Digital Maritime Operations
6	Integrate sustainability, environmental protection, and decarbonization principles into maritime and logistics operations in line with IMO GHG strategy.			✓		Sustainability & Green Shipping
7	Demonstrate competence in maritime risk assessment, safety management systems (ISM Code), and crisis response in ship and shore-based contexts.		✓			Safety & Risk Management
8	Exhibit leadership, teamwork, and communication skills necessary for multicultural and interdisciplinary maritime organizations.			✓		Leadership & Intercultural Communication
9	Apply marketing, logistics, and supply chain strategies to global shipping and maritime transport sectors.			✓		Global Logistics & Supply Chain Management
10	Prepare and analyze charter parties, bills of lading, and other shipping documents while managing cargo claims and marine insurance issues.			✓		Maritime Documentation & Insurance
11	Utilize effective business English and Maritime English for negotiation, correspondence, and documentation within international maritime contexts.		✓			Maritime Communication & Professional English
12	Demonstrate ethical awareness, corporate responsibility, and adherence to international professional standards in maritime and logistics management.		✓			Ethics & Corporate Responsibility
13	Develop research skills and analytical thinking to identify, evaluate, and solve complex problems in maritime transport and logistics systems.		✓			Analytical Thinking & Research Skills
14	Adapt to innovations such as digitalization, automation, and smart shipping technologies through continuous professional development.			✓		Innovation & Lifelong Learning
15	Apply entrepreneurship and strategic management principles to establish or develop maritime-related enterprises in a competitive global environment.		✓			Entrepreneurship & Strategic Management

*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	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
CLO1. Explain the fundamental concepts, functions, and role of business in the modern economic system.	Lecture, Class Discussion	Midterm Exam, Final Exam
CLO2. Identify ethical principles and social responsibility practices in business decision-making.	Lecture, Case Studies	Midterm Exam, Assignments
CLO3. Describe the impact of global economic forces on business activities.	Lecture, Group Discussion	Midterm Exam, Final Exam
CLO4. Explain major forms of business ownership and their advantages/disadvantages.	Lecture, Visual Presentation	Quizzes, Final Exam
CLO5. Analyze the role of entrepreneurship and small business development in the economy.	Lecture, Case Analysis	Assignments, Project
CLO6. Describe core management functions (planning, organizing, leading, controlling).	Lecture, Interactive Activities	Midterm Exam, Final Exam
CLO7. Explain the importance of organizational structure, teamwork, and effective communication.	Lecture, Group Activities	Participation, Quizzes
CLO8. Describe the basics of operations management and the production of quality goods/services.	Lecture, Practical Examples	Midterm Exam, Assignments
CLO9. Evaluate motivation theories and human resource management practices.	Lecture, Case Studies	Final Exam, Assignments
CLO10. Explain core marketing concepts and how businesses deliver value to customers.	Lecture, Video/Visual Materials	Midterm Exam, Final Exam

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	15	15
Final Exam	1	2	2
Preparation for Final Exam	1	15	15
Presentation(s)	-	-	-
Preparation for Presentation(s)	-	-	-
Research for Project(s)/Essay(s)	-	-	-
Project Writing	-	-	-
Group Work	-	-	-
In-class Discussion(s)	15	2	30
Quiz(es)	-	-	-
Preparation for Quiz(es)	-	-	-
Laboratory	-	-	-
Assignment(s)/Homework/Class Works	1	15	15
Micro-Teaching Sessions	-	-	-
Lesson Planning	-	-	-
Materials Adaptation	-	-	-
Material Development	-	-	-
Draft Preparation	-	-	-
Drawing	-	-	-
Essay Writing	-	-	-
Tutorial(s)	-	-	-
Portfolio Preparation	-	-	-
Portfolio Presentation	-	-	-
Total Workload			139
ECTS Credit			5

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

Grading Policy	Percentage	Course Grade	Coefficient
	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
Course Requirements and Policies	Less than 70% attendance	NA	-



University of Kyrenia
Maritime Vocational School
Maritime Management and Operations
Syllabus



Course name: English I							
Code	Year	Semester	Credit	ECTS	Course application, Hour/Week		
					Theoretical	Application	Laboratory
ENG101	I	Fall	3	3	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 / 13:30 – 16:20				
Instructor information			<p style="text-align: center;">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</p>				

Course Description	<p><i>English I (ENG 101)</i> is designed to enhance students' ability to communicate effectively in English by focusing on language use in everyday life situations. The course introduces vocabulary, expressions, and basic grammatical structures at the A2/B1 level of the Common European Framework of Reference for Languages (CEFR). Emphasis is placed on developing functional language skills for real-life communication, including greetings, introductions, describing people and routines, asking for information, expressing preferences, and making simple social interactions.</p> <p>Students will engage in a variety of communicative activities such as role-plays, dialogues, and listening comprehension exercises to improve fluency, accuracy, and confidence in using English. The course also aims to raise awareness of how language conveys meaning in specific contexts, enabling learners to respond appropriately in both familiar and new situations. By the end of the course, students will be able to participate in basic conversations, understand spoken English in common contexts, and use everyday vocabulary effectively in speaking and listening tasks.</p>
Course Aims and Objectives	<p>The primary aim of <i>English I (ENG 101)</i> is to provide students with the fundamental linguistic tools and communicative strategies needed to interact in everyday situations at an A2/B1 level of the CEFR. The course aims to build students' confidence in using English as a medium of communication by focusing on functional language use, vocabulary expansion, and listening and speaking skills.</p> <ul style="list-style-type: none"> • Understand and use everyday expressions and basic phrases related to immediate needs and familiar topics. • Introduce themselves and others, ask and answer questions about personal details, and describe daily routines. • Use appropriate vocabulary and expressions to interact in contexts such as shopping, travel, health, socializing, and work. • Demonstrate the ability to ask for and give directions, make arrangements, and express likes, dislikes, and preferences. • Apply strategies to maintain conversations in English, including making invitations, offers, suggestions, and responding politely. • Develop basic listening comprehension skills for real-life communication scenarios. • Strengthen oral fluency and accuracy through practice in dialogues, role-plays, and discussions. • Gain cultural awareness by comparing customs, traditions, and social practices across cultures.

Course Learning Outcomes	<p>CLO1: Communicate effectively in everyday contexts using appropriate vocabulary, expressions, and structures at an A2/B1 CEFR level.</p> <p>CLO2: Introduce themselves and others, and exchange personal information accurately in both spoken and written forms.</p> <p>CLO3: Describe daily routines, habits, hobbies, and preferences using common verbs, adjectives, and frequently used expressions.</p> <p>CLO4: Ask for and give directions, make requests, and express needs in everyday situations such as shopping, travel, and dining.</p> <p>CLO5: Demonstrate comprehension of short oral texts, including conversations and dialogues, through listening-based tasks.</p> <p>CLO6: Express personal opinions, likes, dislikes, and preferences in social and interpersonal communication.</p> <p>CLO7: Participate actively in role-plays and dialogues that simulate real-life communication settings (e.g., health, work, travel, social interactions).</p> <p>CLO8: Apply basic grammatical structures—including present, past, and future tenses; prepositions; and question forms—to produce accurate and meaningful sentences.</p> <p>CLO9: Use English appropriately for intercultural communication, demonstrating awareness of cultural similarities and differences in daily life and traditions.</p> <p>CLO10: Show improved confidence and fluency in speaking, listening, and engaging in conversations in English.</p>
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Content of the Course

Week	Subject
1	Introduction & Course Orientation <ul style="list-style-type: none"> • Course overview and objectives • Importance of English in daily life • Introduction to basic greetings and self-introduction • Classroom language and expressions
2	Talking About Yourself and Others <ul style="list-style-type: none"> • Describing yourself, family, and friends • Asking and answering personal questions • Common verbs and adjectives for description
3	Daily Routines and Habits <ul style="list-style-type: none"> • Vocabulary for everyday activities • Talking about routines using simple present tense • Time expressions (e.g., always, usually, sometimes)
4	Places and Directions <ul style="list-style-type: none"> • Vocabulary for locations in town and transportation • Asking for and giving directions • Prepositions of place and movement
5	Food and Drinks <ul style="list-style-type: none"> • Vocabulary related to meals, groceries, and restaurants • Ordering food and drinks • Expressing likes, dislikes, and preferences
6	Hobbies and Free Time <ul style="list-style-type: none"> • Vocabulary for hobbies, sports, and leisure activities • Talking about routines and preferences • Using frequency adverbs
7	Shopping and Money <ul style="list-style-type: none"> • Vocabulary for shopping, products, and prices • Asking for information and making purchases • Expressing quantity and cost
8	Health and Illness <ul style="list-style-type: none"> • Vocabulary for body parts, symptoms, and medical situations • Expressing how you feel and giving advice • Making simple requests for help
9	Work and Professions <ul style="list-style-type: none"> • Vocabulary for jobs, workplaces, and daily tasks • Talking about duties and responsibilities • Asking and answering about someone's work
10	Travel and Transportation <ul style="list-style-type: none"> • Vocabulary for travel, tickets, and accommodations • Asking for travel information and making arrangements • Discussing past and future travel plans
11	Weather and Environment <ul style="list-style-type: none"> • Vocabulary for weather conditions, seasons, and nature • Describing the environment and climate

	<ul style="list-style-type: none"> Making small talk about the weather
12	<p>Socializing and Making Plans</p> <ul style="list-style-type: none"> Invitations, offers, and suggestions Accepting and refusing politely Talking about future arrangements using “will” and “going to”
13	<p>Culture and Daily Life</p> <ul style="list-style-type: none"> Vocabulary for festivals, traditions, and cultural activities Comparing your culture with others Expressing opinions and preferences
14	<p>Review of Key Functions and Vocabulary</p> <ul style="list-style-type: none"> Revision of greetings, daily routines, hobbies, and travel Practice dialogues in simulated real-life situations Listening and speaking exercises for comprehension
15	<p>Final Assessment & Speaking Practice</p> <ul style="list-style-type: none"> Oral presentations or dialogues Listening comprehension assessment Review and feedback on progress

Methods and Techniques used in the Course

Communicative Language Teaching (CLT): Focus on real-life communication and functional language use through role-plays, pair work, and group activities.

Task-Based Learning: Students complete meaningful tasks such as dialogues, presentations, and problem-solving activities to practice authentic language.

Listening and Speaking Practice: Regular listening comprehension exercises, oral drills, and speaking activities to improve fluency and accuracy.

Interactive Activities: Games, simulations, and discussions that engage learners in authentic use of vocabulary and expressions.

Reading and Writing Integration: Short texts, dialogues, and written tasks are used to reinforce vocabulary, grammar, and comprehension.

Audio-Visual Aids: Use of multimedia materials, including videos, audio recordings, and digital tools, to enhance listening and speaking practice.

Formative Assessment Techniques: Continuous evaluation through class participation, quizzes, oral practice, and feedback sessions.

Sample Questions

Speaking / Oral Practice:

- Can you introduce yourself and talk about your family?
- What do you usually do on weekends?
- How do you ask for directions to the nearest bus station?
- Could you order a meal at a restaurant?
- How would you make plans with a friend for next Saturday?

Listening Comprehension:

- Listen to a short dialogue between two people in a shop. What are they buying?
- Listen to a weather forecast. What will the weather be like tomorrow?
- Listen to a conversation at a train station. Where is the person traveling?

Reading Comprehension:

- Read a short text about a person's daily routine. What time does he wake up?
- Read a menu from a restaurant. What is the price of the chicken salad?
- Read a travel advertisement. Where is the trip going and how many days does it last?

Writing:

- Write a short paragraph about your favorite hobby.
- Write an email to a friend inviting them to your birthday party.
- Write 5–6 sentences describing your city or town.

Materials Used in the Course

Textbooks

- *English for Everyday Life* – Basic A2/B1 Level
- *Oxford English Grammar and Vocabulary for Students*

Reference Books

- *English Vocabulary in Use: Elementary & Pre-Intermediate*
- *Collins Easy Learning English Grammar & Practice*
- *Oxford Practice Grammar*

Online Resources & Platforms

- Interactive English learning websites (e.g., BBC Learning English, Cambridge English)
- Online quizzes and exercises related to vocabulary, grammar, and listening comprehension
- Video and audio materials for listening practice

Supplementary Materials

- Handouts for weekly topics, dialogues, and exercises
- Flashcards for vocabulary practice
- Role-play and simulation activity sheets for oral communication practice

Tools & Equipment

- Multimedia classroom with projector and audio system
- Computers or tablets for interactive exercises and online practice
- Whiteboard for in-class explanations and group activities

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 fundamental knowledge of maritime business, shipping operations, port management, and international logistics.				✓	Maritime Business & Operations
2	Apply principles of management, economics, and finance to ship operations, chartering, brokerage, and maritime organizational decision-making.				✓	Maritime Economics & Management
3	Understand and interpret international maritime law, conventions, and trade regulations including SOLAS, MARPOL, UNCLOS, and INCOTERMS.				✓	Maritime Law & Policy
4	Plan and manage port and terminal operations efficiently, considering cargo handling systems, port logistics, and intermodal transport networks.				✓	Port & Terminal Operations Management
5	Employ digital tools and data-driven approaches in ship management, fleet performance monitoring, and maritime logistics systems.				✓	Digital Maritime Operations
6	Integrate sustainability, environmental protection, and decarbonization principles into maritime and logistics operations in line with IMO GHG strategy.			✓		Sustainability & Green Shipping
7	Demonstrate competence in maritime risk assessment, safety management systems (ISM Code), and crisis response in ship and shore-based contexts.		✓			Safety & Risk Management
8	Exhibit leadership, teamwork, and communication skills necessary for multicultural and interdisciplinary maritime organizations.			✓		Leadership & Intercultural Communication
9	Apply marketing, logistics, and supply chain strategies to global shipping and maritime transport sectors.			✓		Global Logistics & Supply Chain Management
10	Prepare and analyze charter parties, bills of lading, and other shipping documents while managing cargo claims and marine insurance issues.			✓		Maritime Documentation & Insurance
11	Utilize effective business English and Maritime English for negotiation, correspondence, and documentation within international maritime contexts.		✓			Maritime Communication & Professional English
12	Demonstrate ethical awareness, corporate responsibility, and adherence to international professional standards in maritime and logistics management.		✓			Ethics & Corporate Responsibility
13	Develop research skills and analytical thinking to identify, evaluate, and solve complex problems in maritime transport and logistics systems.		✓			Analytical Thinking & Research Skills
14	Adapt to innovations such as digitalization, automation, and smart shipping technologies through continuous professional development.			✓		Innovation & Lifelong Learning
15	Apply entrepreneurship and strategic management principles to establish or develop maritime-related enterprises in a competitive global environment.		✓			Entrepreneurship & Strategic Management

*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	1	2	2	2
PO2	1	1	2	2	1	2	1	2	3	2
PO3	2	2	2	1	2	2	3	3	2	2
PO4	1	1	1	1	2	3	3	1	1	2
PO5	3	1	3	2	2	2	2	2	3	2
PO6	2	2	2	2	3	2	3	2	2	2
PO7	1	1	1	1	1	1	1	1	1	1
PO8	1	1	1	1	0	1	1	1	1	1
PO9	1	1	1	1	1	1	1	1	0	1
PO10	1	1	2	3	3	2	1	1	1	3
PO11	1	1	1	1	1	1	1	1	1	2
PO12	1	1	1	1	1	1	1	1	1	2
PO13	1	1	2	3	3	2	1	1	1	3
PO14	1	1	2	3	3	2	1	1	1	3
PO15	1	1	2	3	3	2	1	1	1	3

Course Learning Outcomes/ Evaluation Method		
CLO	Teaching Method	Assessment Method
CLO1	Lecture, Question–Answer	Midterm Exam, Final Exam
CLO2	Lecture, Pair/Group Work	Midterm Exam, Final Exam
CLO3	Lecture, Practice Activities	Midterm Exam, Final Exam
CLO4	Lecture, Role-Play, Simulations	Quizzes, Midterm Exam, Final Exam
CLO5	Lecture, Listening Activities	Quizzes, Midterm Exam, Final Exam
CLO6	Lecture, Interactive Tasks	Midterm Exam, Final Exam
CLO7	Lecture, Role-Play, Dialogues	Performance Tasks, Final Exam
CLO8	Lecture, Grammar Practice	Quizzes, Midterm Exam, Final Exam
CLO9	Lecture, Cultural Activities	Assignments, Midterm Exam, Final Exam
CLO10	Lecture, Communication Practice	Oral Exam, Midterm Exam, Final Exam

ECTS / Workload Table			
Activities	Number	Duration (Hours)	Total Workload
Preparation for lectures	15	1	15
Lectures	15	3	45
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			106
ECTS Credit			3

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

Grading Policy	Percentage	Course Grade	Coefficient
	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
Course Requirements and Policies	Less than 70% attendance	NA	-



University of Kyrenia
Maritime Vocational School
Maritime Management and Operations
Syllabus



Course name: Introduction to Shipping							
Code	Year	Semester	Credit	ECTS	Course application, Hour/Week		
					Theoretical	Application	Laboratory
MMD101	I	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	
			-	-	-	100	
Course Venue and Time			Monday / 09:30 – 12:20				
Instructor information			Assist. Prof. Dr. Pınar Sharghi Faculty of Maritime Studies Wednesday / 09:00 - 12:00 +90 (392) 650 26 00 / 4120 pinar.sharghi@kyrenia.edu.tr www.kyrenia.edu.tr				

Course Description	<p>This course provides a comprehensive introduction to the global shipping industry and its role within the international transport system. It explores the fundamental functions of shipping, the relationship between maritime trade and international commerce, and the operational and legal frameworks governing the movement of goods by sea.</p> <p>Students will gain an understanding of key components of the shipping industry, including types of ships, ship measurements, capacities, cargo types, and transportation services. The course also covers tramp and liner shipping, liner companies, and liner conferences, as well as the roles and responsibilities of shipowners, managers, and operators.</p> <p>In addition, students will examine ship registration, classification, flag states, ship certificates, and documentation, alongside modes of ship employment and charter markets. The course includes an overview of commercial geography, highlighting major ports, canals, waterways, and strategic trade routes.</p> <p>Through lectures, case studies, and a term project, students will develop the knowledge and analytical skills needed to understand shipping operations, industry structures, and maritime commerce, preparing them for further studies in maritime transport, logistics, and shipping management.</p>
Course Aims and Objectives	<p>The primary aim of this course is to provide students with a comprehensive understanding of the global shipping industry, its operational frameworks, and its strategic role within the international transport system. The course seeks to develop students' knowledge of shipping functions, industry structures, commercial processes, and maritime trade, preparing them for professional or academic advancement in maritime transport, logistics, and shipping management.</p> <ul style="list-style-type: none"> Explain the role of shipping within the global transport system and its relationship to international trade. Identify and describe key components of the shipping industry, including types of ships, shipping companies, and shipping services. Apply international commercial trading terms and understand maritime trade contracts. Understand tramp and liner shipping operations, including the functions of liner companies and conferences. Describe the roles and responsibilities of shipowners, managers, and operators in shipping operations.

	<ul style="list-style-type: none"> • Explain ship registration, classification, and flag state responsibilities, including the purpose and function of ship certificates and documents. • Differentiate modes of ship employment and understand the characteristics of charter markets. • Analyze shipping organizations and processes, including coordination between stakeholders in the maritime transport chain. • Identify major ports, canals, and waterways, and understand their significance in commercial geography. • Integrate theoretical knowledge with practical shipping scenarios through project work and case studies.
Course Learning Outcomes	<p>LO1 Explain the role and importance of shipping in the global transport system.</p> <p>LO2 Describe key components of the shipping industry, including types of ships and shipping services.</p> <p>LO3 Apply international commercial trading terms in maritime trade contracts.</p> <p>LO4 Differentiate between tramp and liner shipping, and explain liner companies and conferences.</p> <p>LO5 Identify the roles and responsibilities of shipowners, managers, and operators.</p> <p>LO6 Explain ship registration, classification, and flag state duties, including certificates.</p> <p>LO7 Differentiate modes of ship employment, including liner trades and charter markets.</p> <p>LO8 Analyze shipping processes and organizational structures.</p> <p>LO9 Locate major ports, canals, and waterways, and understand their strategic importance.</p> <p>LO10 Apply theoretical knowledge to practical shipping scenarios through project work.</p>

Content of the Course

Week	Subject
1	Introduction to the Course <ul style="list-style-type: none"> Course overview and objectives Introduction to the transport system Advantages and disadvantages of shipping as a transport mode
2	Function of Shipping and International Trade <ul style="list-style-type: none"> Role of shipping in global trade Relationship between shipping and international commerce Overview of maritime trade and international sales contracts
3	International Commercial Trading Terms <ul style="list-style-type: none"> Incoterms and their application in shipping contracts Responsibilities of buyers and sellers Risk transfer, cost allocation, and shipping obligations
4	Key Components of the Shipping Industry <ul style="list-style-type: none"> Types of ships: Bulk carriers, container ships, tankers, passenger ships, specialized vessels Terminology of ship measurements: LOA, LBP, breadth, depth Ship capacities: Deadweight, gross tonnage, net tonnage, cubic capacity, TEUs
5	Types of Cargo and Transportation Services <ul style="list-style-type: none"> Bulk, breakbulk, containerized cargo, liquid cargo Tramp shipping vs. liner shipping Liner companies and liner conferences
6	Shipping Companies and Management <ul style="list-style-type: none"> Roles of shipowners, ship managers, and operators Shipping company functions and responsibilities Shipowners' obligations and liabilities Shipowners' and ship managers' organizations
7	Ship Registration and Classification <ul style="list-style-type: none"> Ship registration: Purpose, benefits, and types of registration Ship classification: Role and functions of classification societies Classification society registers
8	Ship Certificates and Flag State <ul style="list-style-type: none"> Key ship certificates and documentation Ship's flag state: Types, duties, and enforcement International conventions and regulations
9	Modes of Ship Employment <ul style="list-style-type: none"> Employment in tramp shipping and liner trades Charter market types: Time, voyage, and bareboat charters Factors affecting employment choice

10	Shipping Organizations and Processes <ul style="list-style-type: none"> • International and national shipping organizations • Shipping process overview from contract to delivery • Coordination between shipowners, agents, and port authorities
11	Commercial Geography I <ul style="list-style-type: none"> • Major ports around the world • Key canals, straits, and waterways • Strategic locations and their significance in global trade
12	Commercial Geography II <ul style="list-style-type: none"> • Regional shipping hubs and trade routes • Bottlenecks and navigational challenges • Trends in container and bulk shipping networks
13	Project Work / Case Studies <ul style="list-style-type: none"> • Term project presentations • Analysis of shipping companies, routes, or port operations • Group discussions and feedback
14	Revision / Applied Scenarios <ul style="list-style-type: none"> • Review of all major topics • Case studies, problem-solving, and scenario-based discussions • Preparing for final exam
15	Final Exam <ul style="list-style-type: none"> • Comprehensive assessment covering all course content

Methods and Techniques used in the Course

Lectures and Theoretical Instruction

- Instructor-led presentations introducing core concepts of shipping, trade, and transport systems.
- Explanations of industry structures, ship types, and maritime terminology.
- Integration of real-world examples from the shipping industry.

Interactive Classroom Discussions

- Guided discussions on shipping operations, commercial terms, and trade practices.
- Question-and-answer sessions to reinforce understanding.
- Debates on the advantages and disadvantages of different shipping modes.

Case Studies and Scenario-Based Learning

- Analysis of commercial shipping scenarios and decision-making processes.
- Examination of shipping companies, liner conferences, and port operations.
- Problem-solving exercises related to charter markets and ship employment.

Practical Demonstrations

- Use of diagrams, charts, and models to explain ship dimensions, capacities, and cargo handling.
- Demonstrations of documentation, certificates, and regulatory processes.
- Visualization of shipping routes, trade hubs, and global logistics networks.

Multimedia and Digital Learning

- Instructional videos on shipping operations, ports, and trade routes.
- Interactive maps and virtual tours of major ports and canals.
- Use of online resources and databases to explore shipping data and industry trends.

Group Activities and Collaborative Learning

- Team-based assignments for analyzing shipping companies, trade contracts, or port operations.
- Peer discussions on maritime trade practices and commercial geography.
- Collaborative problem-solving exercises simulating real shipping scenarios.

Independent Learning

- Reading assignments from textbooks, industry reports, and online resources.
- Research tasks on maritime trade, ports, and shipping regulations.
- Preparation for term project presentations.

Term Project and Presentations

- Individual or group projects analyzing a specific shipping route, company, or maritime issue.
- Oral presentations to develop communication skills and practical understanding.

Sample Questions

Multiple-Choice Questions (MCQs)

- Which of the following best describes tramp shipping?
 - a) A vessel operating on fixed schedules and routes
 - b) A vessel operating without fixed routes or schedules, carrying cargo as needed
 - c) A passenger ship operating international cruises
 - d) A government-owned naval transport vessel
- Which Incoterm specifies that the seller delivers goods on board the ship and the buyer assumes all risk thereafter?
 - a) CIF
 - b) FOB
 - c) DDP
 - d) EXW
- What is the primary purpose of ship classification societies?
 - a) Registering crew employment contracts
 - b) Ensuring ship construction and maintenance meet safety standards
 - c) Managing port operations
 - d) Scheduling liner shipping routes
- TEU is a standard measure used to describe:
 - a) Bulk cargo tonnage
 - b) Container capacity
 - c) Gross tonnage
 - d) Ship's draft
- Which is NOT typically a duty of a shipowner?
 - a) Ensuring the vessel is seaworthy
 - b) Managing cargo operations
 - c) Enforcing flag state regulations
 - d) Complying with insurance and legal obligations

Short Answer Questions

- Explain the difference between liner shipping and tramp shipping.
- List three advantages and disadvantages of shipping as a transport mode.

- What is the purpose of ship registration and the benefits it provides?
- Identify two major global canals and explain their strategic importance.
- Describe the main responsibilities of ship managers in a commercial shipping company.

Long-Form / Essay Questions

- Discuss the role of shipping in international trade and its impact on global commerce.
- Analyze the importance of flag states, ship classification, and certificates in maritime operations.
- Explain the main types of cargo and the transportation services associated with them.
- Compare and contrast the employment modes of ships in liner trades and charter markets.
- Evaluate the functions of liner companies and liner conferences in global shipping.

Scenario-Based / Practical Questions

- A shipping company is planning a new route for container transport. Explain the steps they should consider regarding ship type, port selection, and cargo type.
- You are assigned to verify a ship's documentation before entering a port. What certificates and records will you check?
- A bulk carrier is chartered for a specific voyage. Discuss the roles of the shipowner, charterer, and manager during this voyage.
- A port near a strategic canal experiences congestion. How might this affect liner shipping schedules and cargo operations?
- Analyze a scenario where a ship must switch from tramp employment to a liner trade. What operational and contractual considerations are involved?

True/False Questions

- **T/F:** Liner ships operate according to fixed schedules and routes.
- **T/F:** TEU is used to measure the volume of bulk cargo.
- **T/F:** Flag states are responsible for enforcing maritime regulations on ships registered under their flag.
- **T/F:** Tramp shipping is more flexible but less predictable than liner shipping.
- **T/F:** Ship classification societies primarily handle cargo operations at ports.

Materials Used in the Course

Primary Textbooks

- **Stopford, M.** *Maritime Economics*, 4th Edition. Routledge, 2020.
- **Bowie, J. & Stopford, M.** *The Shipping Industry: Operations and Management*. Palgrave Macmillan, 2018.
- **Gleaves, D.** *Maritime Transportation: Safety Management and Shipping Operations*. Springer, 2017.

Recommended References

- **Chow, J. & Francis, P.** *Introduction to Maritime Transport Systems*. Elsevier, 2016.
- **Lehn, G.** *Shipping Contracts and International Trade*. CRC Press, 2015.
- **Clark, X.** *Global Shipping and Logistics*. Routledge, 2019.
- **Royal Institution of Naval Architects (RINA)** – Ship Types, Dimensions and Capacities Manuals
- **UNCTAD (United Nations Conference on Trade and Development)** – *Review of Maritime Transport*, annual reports

Industry Standards and Technical Resources

- **Incoterms 2020** – International Chamber of Commerce
- **IMO Conventions and Guidelines** – International Maritime Organization
- **Classification Society Rules** – e.g., Lloyd's Register, DNV-GL, Bureau Veritas
- **Flag State Guidelines and Regulations** – Selected examples from major maritime nations

Supplementary Learning Materials

- Online shipping databases (e.g., IHS Markit, MarineTraffic)
- Port authority publications and charts
- Case studies on liner and tramp shipping operations

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 fundamental knowledge of maritime business, shipping operations, port management, and international logistics.				✓	Maritime Business & Operations
2	Apply principles of management, economics, and finance to ship operations, chartering, brokerage, and maritime organizational decision-making.				✓	Maritime Economics & Management
3	Understand and interpret international maritime law, conventions, and trade regulations including SOLAS, MARPOL, UNCLOS, and INCOTERMS.				✓	Maritime Law & Policy
4	Plan and manage port and terminal operations efficiently, considering cargo handling systems, port logistics, and intermodal transport networks.				✓	Port & Terminal Operations Management
5	Employ digital tools and data-driven approaches in ship management, fleet performance monitoring, and maritime logistics systems.				✓	Digital Maritime Operations
6	Integrate sustainability, environmental protection, and decarbonization principles into maritime and logistics operations in line with IMO GHG strategy.			✓		Sustainability & Green Shipping
7	Demonstrate competence in maritime risk assessment, safety management systems (ISM Code), and crisis response in ship and shore-based contexts.		✓			Safety & Risk Management
8	Exhibit leadership, teamwork, and communication skills necessary for multicultural and interdisciplinary maritime organizations.			✓		Leadership & Intercultural Communication
9	Apply marketing, logistics, and supply chain strategies to global shipping and maritime transport sectors.			✓		Global Logistics & Supply Chain Management
10	Prepare and analyze charter parties, bills of lading, and other shipping documents while managing cargo claims and marine insurance issues.			✓		Maritime Documentation & Insurance
11	Utilize effective business English and Maritime English for negotiation, correspondence, and documentation within international maritime contexts.		✓			Maritime Communication & Professional English
12	Demonstrate ethical awareness, corporate responsibility, and adherence to international professional standards in maritime and logistics management.		✓			Ethics & Corporate Responsibility
13	Develop research skills and analytical thinking to identify, evaluate, and solve complex problems in maritime transport and logistics systems.		✓			Analytical Thinking & Research Skills
14	Adapt to innovations such as digitalization, automation, and smart shipping technologies through continuous professional development.			✓		Innovation & Lifelong Learning
15	Apply entrepreneurship and strategic management principles to establish or develop maritime-related enterprises in a competitive global environment.		✓			Entrepreneurship & Strategic Management

*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 the role and importance of shipping in the global transport system.	Lectures, case studies, interactive discussions	Quizzes, short essays, participation
LO2 Describe key components of the shipping industry, including types of ships and shipping services.	Lectures, diagrams, multimedia demonstrations	Quizzes, written exams, practical exercises
LO3 Apply international commercial trading terms in maritime trade contracts.	Lectures, case studies, document analysis	Written assignments, scenario-based exercises, quizzes
LO4 Differentiate between tramp and liner shipping, and explain liner companies and conferences.	Lectures, group discussions, case studies	Quizzes, short essays, class participation
LO5 Identify the roles and responsibilities of shipowners, managers, and operators.	Lectures, real-world examples, case studies	Quizzes, written assignments, scenario analysis
LO6 Explain ship registration, classification, and flag state duties, including certificates.	Lectures, multimedia demonstrations, document review	Written exams, quizzes, practical evaluation
LO7 Differentiate modes of ship employment, including liner trades and charter markets.	Lectures, case studies, group discussions	Quizzes, written assignments, scenario-based exercises
LO8 Analyze shipping processes and organizational structures.	Lectures, case studies, simulations	Practical exercises, short essays, class participation
LO9 Locate major ports, canals, and waterways, and understand their strategic importance.	Lectures, interactive maps, multimedia presentations	Quizzes, short answer questions, practical map exercises
LO10 Apply theoretical knowledge to practical shipping scenarios through project work.	Term project, case studies, group work	Project reports, oral presentations, performance evaluation

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	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	-	-	-
In-class Discussion(s)	-	-	-
Quiz(es)	-	-	-
Preparation for Quiz(es)	-	-	-
Laboratory	-	-	-
Assignment(s)/Homework/Class Works	1	15	15
Micro-Teaching Sessions	-	-	-
Lesson Planning	-	-	-
Materials Adaptation	-	-	-
Material Development	-	-	-
Draft Preparation	-	-	-
Drawing	-	-	-
Essay Writing	-	-	-
Tutorial(s)	-	-	-
Portfolio Preparation	-	-	-
Portfolio Presentation	-	-	-
Total Workload			99
ECTS Credit			3

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

Grading Policy	Percentage	Course Grade	Coefficient
	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
Course Requirements and Policies	Less than 70% attendance	NA	-



University of Kyrenia
Maritime Vocational School
Maritime Management and Operations
Syllabus



Course name: Introduction to Yachting I							
Code	Year	Semester	Credit	ECTS	Course application, Hour/Week		
					Theoretical	Application	Laboratory
MMD103	I	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	
			-	-	-		100
Course Venue and Time			Wednesday 14:30 – 17:20				
Instructor information			Cpt. Mehmet Emin Debeş Faculty of Maritime Studies Wednesday / 09:00 - 12:00 +90 (392) 650 26 00 / 4060 mehmetemin.debes@kyrenia.edu.tr www.kyrenia.edu.tr				

Course Description	<p><i>Introduction to Yachting I</i> provides a comprehensive foundation in the principles, structure, and practices of the modern yachting sector. The course introduces students to the main types of yachts, their systems, equipment, and construction materials while exploring the global and regional dynamics of the yacht industry. Emphasis is placed on understanding yacht design categories, onboard equipment, and the technical differences between motor, sailing, and multihull vessels.</p> <p>Students will also develop essential knowledge of the materials used in yacht manufacturing—including steel, aluminium, GRP/composites, and wood—along with routine maintenance and care requirements for each. In addition, the course examines interior guest-area standards, cabin preparation procedures, and professional service expectations for both private and commercial yachts.</p> <p>A key component of the course focuses on the operational environment of marinas and yacht ports, introducing students to marina structures, rules, safety practices, and the cultural norms of working and living in marina settings. The course concludes with an in-depth overview of yacht crew hierarchy, the chain of command, and the distinctions between private, seasonal charter, and annual charter yacht operations.</p> <p>By the end of the semester, students will possess a solid theoretical and practical understanding of foundational yachting concepts, preparing them for more advanced studies in yacht operations, hospitality, and navigation in <i>Introduction to Yachting II</i>.</p>
Course Aims and Objectives	<p>The primary aim of <i>Introduction to Yachting I</i> is to equip students with a foundational understanding of the yachting sector by introducing them to the essential concepts, vessel types, industry structures, operational environments, and professional standards that define modern yachting. The course aims to build a strong theoretical and practical base that will support students in further yachting studies and future professional roles within the maritime and yachting industries.</p> <ul style="list-style-type: none"> Identify and classify major yacht types including motor yachts, sailing yachts, multihull vessels, and large yacht categories (super, mega, and giga yachts). Describe the fundamental equipment and systems found on motor yachts and sailing yachts, including rigging, deck gear, and auxiliary systems.

	<ul style="list-style-type: none"> • Explain the structure and dynamics of the global, Mediterranean, and Turkish yachting sectors, distinguishing between private and commercial yacht operations. • Recognize and evaluate common yacht construction materials such as steel, aluminium, GRP/composites, wood, and stainless steel, along with their associated maintenance and care requirements. • Demonstrate knowledge of auxiliary equipment, including yacht tenders, inflatables, and outboard engines, and explain their basic operational and maintenance needs. • Apply correct standards of guest cabin preparation, interior organization, and basic service practices in accordance with professional yacht hospitality expectations. • Describe the structure, facilities, and operational principles of marinas and yacht ports, including rules governing safe conduct, environmental awareness, and shore-based operations. • Explain marina, dry-dock, and shipyard regulations, identifying proper behaviour, safety requirements, and workplace protocols in these environments. • Understand the hierarchy and chain of command aboard private and commercial yachts, including the differences between seasonal and annual charter yacht operations. • Develop foundational professional skills and attitudes required for working effectively within a yacht crew, including discipline, teamwork, and respect for maritime culture.
Course Learning Outcomes	<p>LO1 Identify and differentiate major yacht types and large yacht categories.</p> <p>LO2 Describe primary onboard systems and equipment of motor and sailing yachts.</p> <p>LO3 Explain the structure of the global, Mediterranean, and Turkish yachting sectors.</p> <p>LO4 Evaluate yacht construction materials and outline their maintenance requirements.</p> <p>LO5 Demonstrate knowledge of yacht tenders, inflatables, and outboard engines.</p> <p>LO6 Apply cabin preparation and guest-area organization standards.</p>

LO7

Identify components and facilities of marinas and yacht ports.

LO8

Explain dry-dock, shipyard, and maintenance zone safety requirements.

LO9

Describe yacht crew hierarchy and the differences between charter operations.

LO10

Demonstrate foundational professional behaviors for working in a yacht environment.

Content of the Course

Week	Subject
1	Introduction to the Yachting Profession <ul style="list-style-type: none"> • Definition and scope of yachting • Overview of private vs. commercial use • Global importance of the yacht industry
2	Overview of Yacht Types <ul style="list-style-type: none"> • Motor yachts • Sailing yachts • Multihull (catamaran) yachts
3	Large Yacht Classifications <ul style="list-style-type: none"> • Super yacht • Mega yacht • Giga yacht • Flag-state and classification society criteria
4	Motor Yacht Equipment & Systems <ul style="list-style-type: none"> • Engine rooms, propulsion types • Deck equipment, machinery • Auxiliary systems overview
5	Sailing Yacht Equipment & Rigging <ul style="list-style-type: none"> • Sail types • Masts, booms, running and standing rigging • Basic sail-handling equipment
6	Global Yachting Industry Overview <ul style="list-style-type: none"> • Structure of the private and commercial yacht sectors • Roles of owners, brokers, managers, builders
7	Regional Yacht Sector Analysis <ul style="list-style-type: none"> • The yacht industry in Türkiye • Eastern and Western Mediterranean dynamics • Global yacht hubs
8	Yacht Construction Materials I <ul style="list-style-type: none"> • Steel hulls: materials, benefits, maintenance • Aluminium hulls: corrosion concerns, upkeep
9	Yacht Construction Materials II <ul style="list-style-type: none"> • GRP and composite yachts • Wooden yachts • Stainless-steel components and care
10	Auxiliary Equipment and Tenders <ul style="list-style-type: none"> • Yacht tenders and dinghies • Inflatable boat materials

	<ul style="list-style-type: none"> Outboard engine basics and maintenance
11	Interior Spaces and Guest Cabin Management <ul style="list-style-type: none"> Guest cabin preparation Standards for linen, amenities, and storage Housekeeping routines
12	Guest Service Standards Onboard <ul style="list-style-type: none"> Table setting and meal service Owner/guest interaction etiquette Professional behavior expectations
13	Marinas & Yacht Ports <ul style="list-style-type: none"> Structure, facilities, terminology Marina operations and services provided
14	Marina Life & Work Rules <ul style="list-style-type: none"> Rules of conduct on docks and shared spaces Safety protocols Dry dock and shipyard behavior standards
15	Yacht Hierarchy & Chain of Command <ul style="list-style-type: none"> Crew structure on charter vs. private yachts Seasonal vs. annual charter operations Responsibilities of key positions (captain, mate, stew, deckhand)

Methods and Techniques used in the Course

Lectures and Theoretical Instruction

- Instructor-led presentations
- Conceptual explanations supported by visual materials
- Introduction of core terminology and industry standards

Interactive Classroom Discussions

- Guided discussions on industry practices
- Question-answer sessions to reinforce understanding
- Comparative analysis of yacht types and sector dynamics

Case Studies and Real-World Examples

- Examination of real yacht operations
- Analysis of marina management situations
- Review of maintenance scenarios and professional challenges

Practical Demonstrations (Classroom-Based)

- Demonstration of basic yacht equipment, rigging models, and materials
- Showcasing maintenance tools and examples of onboard systems
- Interior organization and cabin preparation simulations

Visual and Multimedia Learning

- Photographs, diagrams, and technical videos
- Virtual marina and yacht walkthroughs
- Industry documentaries and training clips

Group Activities and Collaborative Learning

- Small-group tasks related to yacht classification, equipment identification, and marina rules
- Problem-solving exercises related to onboard scenarios
- Peer discussion on maritime etiquette and workplace behaviour

Independent Learning and Reading Assignments

- Assigned readings on yacht types, materials, and service practices
- Terminology acquisition exercises
- Short research tasks on global and local yachting sectors

Field Observation (If applicable)

(Optional depending on institutional policy and available facilities)

- Visit to a marina, boatyard, or yacht port
- Observation of vessel types, maintenance areas, and marine infrastructure

Practical Skill Reinforcement

- Hands-on practice with knots, safety routines, basic deckhand skills (if applicable)
- Interior organization practice using provided materials
- Preparation for real-life yachting operations continued in Introduction to Yachting II

Sample Questions

Multiple-Choice Questions (MCQs)

- **Which of the following best describes a catamaran?**
 - a) A single-hulled sailing yacht
 - b) A yacht with two parallel hulls
 - c) A motor yacht with dual engines
 - d) A steel-hulled commercial vessel
- **Which material requires special attention due to galvanic corrosion risks when used in yacht construction?**
 - a) Wood
 - b) GRP
 - c) Aluminium
 - d) Composite carbon fibre
- **Which department is primarily responsible for guest cabin preparation?**
 - a) Engine department
 - b) Deck department
 - c) Interior department
 - d) Navigation department
- **Which region is considered one of the most active yachting hubs globally?**
 - a) Baltic Sea
 - b) Western Mediterranean
 - c) Black Sea
 - d) Arctic Ocean
- **Which yacht category generally exceeds 100 meters in length?**
 - a) Super yacht
 - b) Mega yacht
 - c) Giga yacht
 - d) Luxury cruiser

Short Answer Questions

1. Define the difference between **private yachts** and **commercial/charter yachts**.
2. What are the main advantages of **GRP** as a yacht construction material?
3. List **three essential items** found in a standard motor yacht's equipment.
4. What safety considerations should crew follow when working in a **marina dry dock or boatyard**?
5. Describe the role of the **chief steward/stewardess** onboard a yacht.

Long-Form / Short Essay Questions

- **Compare motor yachts and sailing yachts** in terms of propulsion, equipment, operational needs, and typical use cases.
- Discuss the importance of **guest service standards** on private and commercial yachts, providing examples of good practice.

- Explain how the **Turkish yacht industry** contributes to the Mediterranean yachting sector and global yacht production.
- Describe the care and maintenance requirements of **steel**, **wood**, and **composite** yachts, highlighting the unique challenges of each material.
- Evaluate the role of **marinas** in supporting yacht operations, addressing services, infrastructure, and crew responsibilities.

Application / Scenario-Based Questions

- You are assigned to prepare a guest cabin before the owner arrives.
 1. Describe the steps you would take to ensure the cabin meets professional standards.
- A yacht made of aluminium requires hull maintenance.
 1. Identify the key risks and explain what precautions the crew must follow.
- A charter yacht is arriving at a busy marina during peak season.
 1. What should the deck crew prepare for, and what communication procedures should be followed?
- During an inspection, you notice corrosion on several stainless-steel railings.
 1. What actions should you take, and what cleaning/maintenance procedures apply?
- The captain assigns you to assist with launching a tender.
 1. List the safety checks and operational steps you must complete before the tender enters the water.

True / False Questions

- **T/F:** GRP yachts require more maintenance than wooden yachts.
- **T/F:** Mega yachts are typically smaller than super yachts.
- **T/F:** Marina rules often include restrictions on noise levels and waste disposal.
- **T/F:** The deck department is responsible for navigation, interior cleaning, and engine maintenance.
- **T/F:** Aluminium hulls are lightweight and resist corrosion but require careful monitoring.

Materials Used in the Course

Primary Textbooks

- **Davis, R.** *Introduction to Yachting and Small Craft Operations*. Marine Skills Publishing.
- **Larsson, L., & Eliasson, R.** *Principles of Yacht Design*. International Marine/McGraw-Hill.
- **Gerr, D.** *The Nature of Boats: Insights and Esoterica for the Nautically Obsessed*. International Marine.

Recommended References

- **Royal Yachting Association (RYA)** – *RYA Day Skipper, Competent Crew, and Essential Navigation & Seamanship Manuals*.
- **Chapman, C.** *Chapman Piloting & Seamanship*. Hearst Marine Books.
- **Gerr, D.** *The Elements of Boat Strength for Builders, Designers, and Owners*. International Marine.
- **Macleod, P.** *The Insider's Guide to Superyachts*. Adlard Coles Nautical.
- **Ward, J.** *The Superyacht Industry*. Seatrade Communications.

Industry Standards and Technical Resources

- **ABS (American Bureau of Shipping)** – Yacht Classification Rules
- **Lloyd's Register** – Large Yacht Code (LY3/LY4)
- **MCA (Maritime & Coastguard Agency)** – *The Large Commercial Yacht Code*
- **ISO Standards for Small Craft and Recreational Boats** (ISO 8666, ISO 12217, Yachts – Stability, Construction, etc.)

Supplementary Learning Materials

- **RYA Marine Radio Handbook** – VHF procedures and communication standards
- **Boat International Media** – Industry reports, market analyses
- **Superyacht Times / The Superyacht Report** – Professional articles and sector updates

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 fundamental knowledge of maritime business, shipping operations, port management, and international logistics.				✓	Maritime Business & Operations
2	Apply principles of management, economics, and finance to ship operations, chartering, brokerage, and maritime organizational decision-making.				✓	Maritime Economics & Management
3	Understand and interpret international maritime law, conventions, and trade regulations including SOLAS, MARPOL, UNCLOS, and INCOTERMS.				✓	Maritime Law & Policy
4	Plan and manage port and terminal operations efficiently, considering cargo handling systems, port logistics, and intermodal transport networks.				✓	Port & Terminal Operations Management
5	Employ digital tools and data-driven approaches in ship management, fleet performance monitoring, and maritime logistics systems.				✓	Digital Maritime Operations
6	Integrate sustainability, environmental protection, and decarbonization principles into maritime and logistics operations in line with IMO GHG strategy.			✓		Sustainability & Green Shipping
7	Demonstrate competence in maritime risk assessment, safety management systems (ISM Code), and crisis response in ship and shore-based contexts.		✓			Safety & Risk Management
8	Exhibit leadership, teamwork, and communication skills necessary for multicultural and interdisciplinary maritime organizations.			✓		Leadership & Intercultural Communication
9	Apply marketing, logistics, and supply chain strategies to global shipping and maritime transport sectors.			✓		Global Logistics & Supply Chain Management
10	Prepare and analyze charter parties, bills of lading, and other shipping documents while managing cargo claims and marine insurance issues.			✓		Maritime Documentation & Insurance
11	Utilize effective business English and Maritime English for negotiation, correspondence, and documentation within international maritime contexts.		✓			Maritime Communication & Professional English
12	Demonstrate ethical awareness, corporate responsibility, and adherence to international professional standards in maritime and logistics management.		✓			Ethics & Corporate Responsibility
13	Develop research skills and analytical thinking to identify, evaluate, and solve complex problems in maritime transport and logistics systems.		✓			Analytical Thinking & Research Skills
14	Adapt to innovations such as digitalization, automation, and smart shipping technologies through continuous professional development.			✓		Innovation & Lifelong Learning
15	Apply entrepreneurship and strategic management principles to establish or develop maritime-related enterprises in a competitive global environment.		✓			Entrepreneurship & Strategic Management

*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	Teaching Method	Assessment Method
LO1 Identify and differentiate major yacht types and large yacht categories.	Lectures, visual presentations, classroom discussions	Quizzes, written exam questions
LO2 Describe primary onboard systems and equipment of motor and sailing yachts.	Lectures, demonstrations, multimedia materials	Quizzes, midterm exam, short written assignments
LO3 Explain the structure of the global, Mediterranean, and Turkish yachting sectors.	Lectures, case studies, group discussions	Written exam, short essays, class participation
LO4 Evaluate yacht construction materials and outline their maintenance requirements.	Lectures, material demonstrations, videos	Midterm exam, lab/practical observation, quizzes
LO5 Demonstrate knowledge of yacht tenders, inflatables, and outboard engines.	Practical demonstrations, multimedia resources	Practical assessment, quizzes
LO6 Apply cabin preparation and guest-area organization standards.	Demonstrations, simulations, hands-on activities	Practical assessment, performance evaluation
LO7 Identify components and facilities of marinas and yacht ports.	Lectures, multimedia resources, field observation (if applicable)	Written exam, quizzes
LO8 Explain dry-dock, shipyard, and maintenance zone safety requirements.	Lectures, case studies, videos	Written exam, scenario-based questions
LO9 Describe yacht crew hierarchy and the differences between charter operations.	Lectures, group activities, case studies	Quizzes, short essays, final exam
LO10 Demonstrate foundational professional behaviors for working in a yacht environment.	Group work, role-playing, instructor feedback	Participation assessment, practical evaluation

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	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	-	-	-
In-class Discussion(s)	-	-	-
Quiz(es)	-	-	-
Preparation for Quiz(es)	-	-	-
Laboratory	-	-	-
Assignment(s)/Homework/Class Works	1	15	15
Micro-Teaching Sessions	-	-	-
Lesson Planning	-	-	-
Materials Adaptation	-	-	-
Material Development	-	-	-
Draft Preparation	-	-	-
Drawing	-	-	-
Essay Writing	-	-	-
Tutorial(s)	-	-	-
Portfolio Preparation	-	-	-
Portfolio Presentation	-	-	-
Total Workload			99
ECTS Credit			3

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

Grading Policy	Percentage	Course Grade	Coefficient
	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	<ul style="list-style-type: none"> 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 Management
Syllabus



Course name: General Aspects of Marine Engineering							
Code	Year	Semester	Credit	ECTS	Course application, Hour/Week		
					Theoretical	Application	Laboratory
MRE101	I	Fall	2	3	2	0	0
Course type: Compulsory			Prerequisite: x		Language: English		
% Contribution to the Professional Fundamental Component			Basic Sciences	Engineering Science	Engineering Design	General Education	
			20	30	30	20	
Course Venue and Time			Wednesday 12.30-16.20				
Instructor information			<p style="text-align: center;">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</p>				

Course Description	<p>This course provides an introductory understanding of marine engineering, focusing on the basic principles, machinery, and systems used on board ships. It familiarizes students with the main and auxiliary engines, propulsion systems, heat exchangers, boilers, pumps, compressors, and other essential shipboard equipment.</p> <p>The course also introduces students to the safe and efficient operation of marine machinery, emphasizing the importance of shipboard safety culture, planned maintenance, and environmental awareness. Students will learn the fundamentals of diesel engine operation, power generation, steam and gas systems, and auxiliary machinery, as well as their roles in the overall performance of a vessel.</p> <p>By combining theoretical knowledge with practical case studies, the course aims to develop a solid foundation in marine engineering principles, preparing students for more advanced studies and professional responsibilities in the maritime industry.</p>
Course Aims and Objectives	<p>Course Aims: The aim of this course is to provide students with a solid foundation in marine engineering principles, shipboard machinery, and operational systems, while emphasizing a culture of safety and efficiency. The course seeks to equip students with the knowledge and skills required to understand, operate, maintain, and optimize ship machinery systems, both in routine and critical scenarios.</p> <p>Course Objectives: By the end of the course, students will be able to:</p> <ul style="list-style-type: none"> • Comprehend the fundamental principles of internal combustion engines, diesel engines, and prime movers used in ship propulsion. • Understand the operation of main and auxiliary machinery, including electrical power systems, boilers, heat exchangers, and turbines. • Apply principles of heat transfer, steam, and gas turbine operations in practical shipboard scenarios. • Identify and operate auxiliary machinery and systems, including pumps, compressors, and fuel management equipment. • Implement safe operational procedures and cultivate a safety culture onboard. • Analyze and perform maintenance, repair, and surveying tasks for ship machinery. • Develop problem-solving skills through case studies and alternative operational scenarios. • Optimize shipboard machinery operations considering efficiency, safety, and regulatory compliance, including EEXI considerations. • Integrate theoretical knowledge with practical skills to manage complex engineering systems in real-life maritime contexts.

Course Learning Outcomes	<p>LO1: Explain the principles and operational characteristics of internal combustion engines, diesel engines, and other prime movers used in ship propulsion systems, integrating fundamental concepts of steam, gas, and heat transfer.</p> <p>LO2: Describe the operation and functional interaction of main and auxiliary shipboard machinery, including electrical power generation systems, heat exchangers, boilers, turbines, pumps, compressors, and fuel management equipment.</p> <p>LO3: Apply engineering principles and problem-solving skills to analyze shipboard systems, evaluate operational efficiency, and optimize machinery performance in compliance with industry regulations, including EEXI requirements.</p> <p>LO4: Operate and monitor auxiliary machinery and related ship systems safely and effectively, demonstrating adherence to safety procedures and fostering a strong onboard safety culture.</p> <p>LO5: Plan, conduct, and document maintenance activities, inspections, troubleshooting processes, and temporary or permanent repairs on ship machinery, ensuring reliability and operational readiness.</p> <p>LO6: Evaluate alternative operational scenarios through case studies, integrate theoretical and practical knowledge to manage complex machinery systems, and communicate engineering concepts and technical findings clearly in written and oral formats.</p>
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Content of the Course

Week	Subject
1	Principle of Marine Engineering and shipboard safety culture
2	Internal Combustion principle and Main and Auxiliary Machineries
3	Diesel Engines & Prime-moving Propulsion, Operating local & remote-control stationaries
4	Diesel Engine Types and stationary power: Electrical energy as main and emergency
5	Principle of heat exchanging Heat machinery, Exchangers, Boilers steam and thermal oil
6	Principles of Steam and Gas theory, Steam and Gas Turbines
7	Auxiliary machinery theory and auxiliary systems of machineries
8	Mid-Term Exam Case studies (Alternative Operations)
9	Liquid transfer and displacement pumps, types with their functions
10	Compressed air/Gas Transfer and Compressors, types with their functions
11	Other ship auxiliaries, ship maneuvering facilities and consumables (Fuels, oils & FW)
12	Fuel types, consumption and efficient ship operations considerations - EEXI
13	Sources of Planned maintenance (PMS) Temporary and permanent repairs with surveying
14	Investigation, reinforcement and different approaches of maintenance
15	Final exam Case studies (Critical thinking)

Methods and Techniques used in the Course

Lectures

- Theoretical presentations of marine engineering principles, machinery systems, and shipboard safety culture.
- Use of diagrams, animations, and real-life ship schematics to illustrate engine operations, heat exchangers, and auxiliary systems.

Practical Applications / Laboratory Sessions

- Hands-on exercises with engine simulators or model systems.
- Demonstration of operating main and auxiliary machinery, propulsion, and control stations.
- Liquid transfer, pumps, compressors, and fuel system handling.

Case Studies and Problem-Solving

- Analysis of real-life scenarios, e.g., engine failure, fuel consumption optimization, maintenance scheduling.
- Group discussion of alternative operations and critical decision-making exercises.

Assignments / Reports

- Written exercises to consolidate understanding of engine types, auxiliary systems, and safety procedures.
- Research on EEXI compliance, fuel efficiency, or maintenance planning.

Group Work / Collaborative Projects

- Team-based exercises to analyze system performance, propose improvements, or simulate operational scenarios.

Exams (Mid-Term and Final)

- Evaluation of both theoretical knowledge and practical understanding.
- Case-based questions to test application of concepts in real marine engineering contexts.

Supplementary Tools

- Technical manuals, simulation software, maritime engineering publications.
- Visual aids such as schematics, charts, and videos for complex machinery systems.

Sample Questions

Theoretical Questions

- Explain the working principle of a two-stroke and a four-stroke diesel engine. Compare their advantages and disadvantages in marine applications.
- Describe the main components and functions of a steam turbine system on board. How does it differ from a gas turbine system?
- Discuss the principles of heat exchange in marine boilers and the importance of maintaining proper thermal efficiency.
- What are the key elements of a shipboard safety culture, and how do they impact daily operations and emergency preparedness?
- Define EEXI (Energy Efficiency Existing Ship Index) and explain its significance in modern ship operations.

Application / Problem-Solving Questions

- Given a scenario where a main engine shows abnormal fuel consumption, outline the steps you would take to investigate, diagnose, and rectify the issue.
- A ship's auxiliary system fails during voyage. Describe the immediate actions and long-term maintenance measures to ensure continued safe operation.
- Calculate the required pump capacity for transferring 500 m³ of fuel within 4 hours, given the system constraints.

Case Study / Critical Thinking Questions

- Analyze a shipboard incident involving a fuel leak in the machinery space. What procedures should be followed to minimize risk to the crew, environment, and vessel?
- Evaluate two alternative propulsion options for a medium-sized vessel: diesel-electric vs. conventional diesel. Discuss performance, efficiency, and maintenance considerations.

Materials Used in the Course

Textbooks and References

- “Marine Engineering” – D.A. Taylor, Butterworth-Heinemann
- “Principles of Naval Engineering” – United States Naval Institute
- “Marine Auxiliary Machinery” – H.D. McGeorge
- “Shipboard Safety Management and Culture” – I. C. Thomas, Routledge
- “Marine Engineering Knowledge Guide” – L. G. Skipper
- Relevant International Conventions and Codes: SOLAS, MARPOL, ISM Code, STCW

Journals and Articles

- *Journal of Marine Engineering & Technology*
- *International Journal of Maritime Engineering*
- Selected papers on EEXI, fuel efficiency, and safety culture in marine vessels

Software and Tools

- Marine engine simulation software (e.g., MAN Diesel simulation tools, Wärtsilä Engine Simulators)
- Fuel consumption and efficiency calculators
- Shipboard PMS (Planned Maintenance System) software

Practical Materials

- Engine room models or cutaway diagrams of main and auxiliary machinery
- Pumps, compressors, and heat exchanger mock-ups for demonstration
- Safety equipment and emergency drills guides

Additional Resources

- IMO and classification society guidelines for machinery operation and safety
- Case studies and practical examples from shipboard operations

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 fundamental knowledge of maritime business, shipping operations, port management, and international logistics.				✓	Maritime Business & Operations
2	Apply principles of management, economics, and finance to ship operations, chartering, brokerage, and maritime organizational decision-making.				✓	Maritime Economics & Management
3	Understand and interpret international maritime law, conventions, and trade regulations including SOLAS, MARPOL, UNCLOS, and INCOTERMS.				✓	Maritime Law & Policy
4	Plan and manage port and terminal operations efficiently, considering cargo handling systems, port logistics, and intermodal transport networks.				✓	Port & Terminal Operations Management
5	Employ digital tools and data-driven approaches in ship management, fleet performance monitoring, and maritime logistics systems.				✓	Digital Maritime Operations
6	Integrate sustainability, environmental protection, and decarbonization principles into maritime and logistics operations in line with IMO GHG strategy.			✓		Sustainability & Green Shipping
7	Demonstrate competence in maritime risk assessment, safety management systems (ISM Code), and crisis response in ship and shore-based contexts.		✓			Safety & Risk Management
8	Exhibit leadership, teamwork, and communication skills necessary for multicultural and interdisciplinary maritime organizations.			✓		Leadership & Intercultural Communication
9	Apply marketing, logistics, and supply chain strategies to global shipping and maritime transport sectors.			✓		Global Logistics & Supply Chain Management
10	Prepare and analyze charter parties, bills of lading, and other shipping documents while managing cargo claims and marine insurance issues.			✓		Maritime Documentation & Insurance
11	Utilize effective business English and Maritime English for negotiation, correspondence, and documentation within international maritime contexts.		✓			Maritime Communication & Professional English
12	Demonstrate ethical awareness, corporate responsibility, and adherence to international professional standards in maritime and logistics management.		✓			Ethics & Corporate Responsibility
13	Develop research skills and analytical thinking to identify, evaluate, and solve complex problems in maritime transport and logistics systems.		✓			Analytical Thinking & Research Skills
14	Adapt to innovations such as digitalization, automation, and smart shipping technologies through continuous professional development.			✓		Innovation & Lifelong Learning
15	Apply entrepreneurship and strategic management principles to establish or develop maritime-related enterprises in a competitive global environment.		✓			Entrepreneurship & Strategic Management

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

ECTS / Workload Table			
Activities	Number	Duration (Hours)	Total Workload
Preparation for lectures	15	2	30
Lectures	15	2	30
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	2	3	6
Project Writing	-	-	-
Group Work	1	4	4
In-class Discussion(s)	-	-	-
Quiz(es)	-	-	-
Preparation for Quiz(es)	-	-	-
Laboratory / Practical Applications	2	2	4
Assignment(s)/Homework/Class Works	4	3	12
Micro-Teaching Sessions	-	-	-
Lesson Planning	-	-	-
Materials Adaptation	-	-	-
Material Development	-	-	-
Draft Preparation	-	-	-
Drawing	-	-	-
Essay Writing	-	-	-
Tutorial(s)	-	-	-
Portfolio Preparation	-	-	-
Portfolio Presentation	-	-	-
Total Workload			102
ECTS Credit			3

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	3	3	3	2	2	1
PO2	2	3	2	3	3	2
PO3	1	2	2	3	2	2
PO4	2	2	3	2	2	3
PO5	1	2	3	2	2	3
PO6	1	1	2	1	3	3
PO7	1	1	1	2	2	3
PO8	1	1	2	2	2	3
PO9	1	1	2	1	2	2
PO10	1	1	2	2	3	3
PO11	1	2	2	1	3	3
PO12	1	1	2	1	2	3
PO13	1	1	2	3	3	2
PO14	1	1	2	3	3	2
PO15	1	1	2	3	3	2

Course Learning Outcomes/ Evaluation Method		
CLO	Teaching Method	Assessment Method
CLO1	Lectures, visual presentations, technical demonstrations	Midterm exam, quizzes
CLO2	Lectures, problem-solving sessions, case-based learning	Midterm exam, assignments
CLO3	Lectures, guided practice, technical document analysis	Assignments, quizzes
CLO4	Practical demonstrations, laboratory sessions, simulator-based exercises	Lab performance, practical exam
CLO5	Safety drills, scenario-based training, interactive discussions	Practical exam, participation, reports
CLO6	Workshops, maintenance practice, case studies, group activities	Final exam, project/report, performance assessment

Evaluation System		
Semester Requirements	Number	Percentage of Grade
Attendance/Participation	-	-
Laboratory	-	-
Application	2	10
Field Work	1	10
Special Course Internship (Work Placement)	-	-
Homework/Assignments	4	20
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	9	100

Grading Policy	Percentage	Course Grade	Coefficient
	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	<ul style="list-style-type: none"> 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
Maritime Vocational School
Maritime Management and Operations
Syllabus



Course name: Matheamatics for Business and Economics I							
Code	Year	Semester	Credit	ECTS	Course application, Hour/Week		
					Theoretical	Application	Laboratory
MTH171	I	Fall	3	5	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 / 09:30 – 12:20				
Instructor information			<p style="text-align: center;">Assist. Prof. Emete Toros Faculty of Administrative Sciences and Economics Wednesday / 09:00 - 12:00 +90 (392) 650 26 00 / 4060 emete.toros@kyrenia.edu.tr www.kyrenia.edu.tr</p>				

Course Description	<p><i>Mathematics for Business and Economics I</i> provides students with a solid foundation in the mathematical concepts and techniques essential for problem-solving in business, economics, and related fields. The course covers linear and nonlinear equations, inequalities, and their practical applications in economic and managerial decision-making. Students explore functions and their graphs, including linear functions, parabolas, and systems of equations, with an emphasis on interpreting and analyzing real-world business situations.</p> <p>The course also introduces exponential and logarithmic functions and demonstrates their relevance in modeling growth, decay, and financial processes. A significant part of the course is devoted to the mathematics of finance, including interest calculations, present and future value, annuities, and other financial applications. By the end of the course, students will develop analytical and quantitative skills necessary for understanding economic relationships, evaluating business decisions, and applying mathematical reasoning in professional contexts.</p>
Course Aims and Objectives	<p>The primary aim of <i>Mathematics for Business and Economics I</i> is to equip students with the fundamental mathematical tools and analytical skills required to solve quantitative problems commonly encountered in business, economics, and finance. The course focuses on developing students' ability to formulate mathematical models, interpret results, and apply mathematical reasoning to real-world managerial and economic situations.</p> <ul style="list-style-type: none"> • Understand and apply basic algebraic principles, including equations and inequalities, to business and economic problems. • Analyze and interpret functions and their graphs, with emphasis on linear, quadratic, exponential, and logarithmic models. • Solve systems of equations and relate them to economic and business applications such as equilibrium analysis. • Apply exponential and logarithmic functions to model growth, decay, and other economic relationships. • Perform financial calculations involving simple and compound interest, present and future value, and annuities. • Develop the ability to construct and evaluate mathematical models for decision-making. • Enhance quantitative reasoning skills necessary for further studies in economics, finance, and business analytics.
	<p>CLO1. Solve linear and nonlinear equations and inequalities and apply them to business and economic problems.</p> <p>CLO2. Interpret and analyze the behavior of functions and their graphs.</p>

Course Learning Outcomes	<p>CLO3. Apply linear and quadratic functions to model and solve real-world business and economic situations.</p> <p>CLO4. Identify and analyze the properties of exponential and logarithmic functions.</p> <p>CLO5. Use exponential and logarithmic models to represent growth, decay, and financial processes.</p> <p>CLO6. Solve systems of linear equations and apply them to managerial and economic decision-making.</p> <p>CLO7. Perform financial calculations involving simple and compound interest.</p> <p>CLO8. Compute present and future values for single payments, annuities, and other financial instruments.</p> <p>CLO9. Develop mathematical models relevant to economics and business operations.</p> <p>CLO10. Apply quantitative reasoning and problem-solving skills to support effective decision-making in business and economics.</p>
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Content of the Course

Week	Subject
1	Introduction to the course; basic algebra review; real numbers, expressions, and operations
2	Linear equations and applications in business and economics
3	Inequalities and absolute value; applications in economic constraints and decision-making
4	Functions: definitions, notation, and evaluation; domain and range
5	Graphs of functions; linear functions and slope; applications to cost, revenue, and profit
6	Quadratic functions and parabolas; optimization and business applications
7	Systems of linear equations in two and three variables; graphical and algebraic methods
8	Applications of systems of equations: market equilibrium, supply and demand models
9	Exponential functions: growth models, compound interest
10	Logarithmic functions: properties, rules, and economic applications
11	Exponential and logarithmic equations; applications in finance and economic modeling
12	Mathematics of finance: simple interest, compound interest, effective interest rates
13	Present value, future value, annuities, and amortization
14	Review of mathematical modeling in business and economics; integrated problem-solving
15	General review and preparation for final examination

Methods and Techniques used in the Course

Lectures:

Core mathematical concepts, principles, and methods are introduced through structured lectures supported by examples relevant to business and economics.

Problem-Solving Sessions:

Students practice solving mathematical problems related to real-world economic and managerial scenarios.

In-Class Exercises:

Short, guided exercises are conducted to reinforce understanding and ensure active learning.

Visual and Graphical Demonstrations:

Graphs, tables, and visual tools are used to illustrate functions, equations, and financial models.

Case-Based Applications:

Practical business and economic cases are integrated to show how mathematical tools support decision-making.

Interactive Discussion:

Students engage in discussions on how mathematical results relate to economic behavior, financial decisions, and managerial strategies.

Homework Assignments:

Regular assignments are given to strengthen analytical skills and enhance problem-solving competence.

Use of Technology (Optional):

Calculators, spreadsheets, or mathematical software may be used to analyze functions and perform financial calculations.

Sample Questions

A. Short Answer Questions

- Define a function and explain the difference between the domain and the range.
- What is the economic interpretation of a system of linear equations representing supply and demand?

B. Problem-Solving Questions

- Solve the equation:

$$5x - 3 = 2x + 12$$

- Solve the inequality and express the solution on a number line:

$$3x + 4 > 10$$

- A company's cost function is $C(x) = 2x + 500$ and its revenue function is $R(x) = 5x$. Find the break-even point.

C. Functions and Graphs

- Given the function $f(x) = x^2 - 6x + 5$:
 - Find the vertex
 - Determine whether it has a minimum or maximum
- Graph the linear function $y = 4 - 2x$ and explain the meaning of the slope in a business context.

D. Systems of Equations

- Solve the system:

$$\begin{cases} 2x + y = 10 \\ x - y = 1 \end{cases}$$

- Supply and demand are given by:
 $Q_s = 3P - 6$ and $Q_d = 30 - 2P$.
 Find the equilibrium price and quantity.

E. Exponential & Logarithmic Functions

- Solve for x :

$$3^x = 81$$

- Convert the logarithmic expression into exponential form:

$$\log_5 125 = 3$$

- A population grows according to $P(t) = 1000e^{0.06t}$.
 Find $P(5)$.

F. Mathematics of Finance

- Calculate the simple interest on \$5,000 invested for 3 years at an annual rate of 7%.
- Find the future value:

$$FV = 8000(1.05)^4$$

- An annuity pays \$1,000 annually for 5 years at 6% interest.
 Compute the present value of the annuity.

Materials Used in the Course

Primary Textbooks

- **Barnett, R. A., Ziegler, M. R., & Byleen, K. E. (2018). *College Mathematics for Business, Economics, Life Sciences, and Social Sciences*.**
Pearson Education.
- **Haeussler, E. F., Paul, R. S., & Wood, R. J. (2019). *Introductory Mathematical Analysis for Business, Economics, and the Life and Social Sciences*.**
Pearson.
- **Cleaves, C., & Hobbs, M. (2020). *Business Mathematics*.**
Pearson.

Recommended References

- **Sydsaeter, K., Hammond, P., Strom, A., & Carvajal, A. (2016). *Essential Mathematics for Economic Analysis*.**
Pearson.
- **Hoffman, L. D., & Bradley, G. L. (2018). *Calculus for Business, Economics, and the Social and Life Sciences*.**
McGraw-Hill..
- **Berenson, M. L., Levine, D. M., & Szabat, K. A. (2020). *Basic Business Statistics: Concepts and Applications*.**
Pearson.
- **Miranda, M. J., & Fackler, P. L. (2002). *Applied Computational Economics and Finance*.**
MIT Press.

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 fundamental knowledge of maritime business, shipping operations, port management, and international logistics.				✓	Maritime Business & Operations
2	Apply principles of management, economics, and finance to ship operations, chartering, brokerage, and maritime organizational decision-making.				✓	Maritime Economics & Management
3	Understand and interpret international maritime law, conventions, and trade regulations including SOLAS, MARPOL, UNCLOS, and INCOTERMS.				✓	Maritime Law & Policy
4	Plan and manage port and terminal operations efficiently, considering cargo handling systems, port logistics, and intermodal transport networks.				✓	Port & Terminal Operations Management
5	Employ digital tools and data-driven approaches in ship management, fleet performance monitoring, and maritime logistics systems.				✓	Digital Maritime Operations
6	Integrate sustainability, environmental protection, and decarbonization principles into maritime and logistics operations in line with IMO GHG strategy.			✓		Sustainability & Green Shipping
7	Demonstrate competence in maritime risk assessment, safety management systems (ISM Code), and crisis response in ship and shore-based contexts.		✓			Safety & Risk Management
8	Exhibit leadership, teamwork, and communication skills necessary for multicultural and interdisciplinary maritime organizations.			✓		Leadership & Intercultural Communication
9	Apply marketing, logistics, and supply chain strategies to global shipping and maritime transport sectors.			✓		Global Logistics & Supply Chain Management
10	Prepare and analyze charter parties, bills of lading, and other shipping documents while managing cargo claims and marine insurance issues.			✓		Maritime Documentation & Insurance
11	Utilize effective business English and Maritime English for negotiation, correspondence, and documentation within international maritime contexts.		✓			Maritime Communication & Professional English
12	Demonstrate ethical awareness, corporate responsibility, and adherence to international professional standards in maritime and logistics management.		✓			Ethics & Corporate Responsibility
13	Develop research skills and analytical thinking to identify, evaluate, and solve complex problems in maritime transport and logistics systems.		✓			Analytical Thinking & Research Skills
14	Adapt to innovations such as digitalization, automation, and smart shipping technologies through continuous professional development.			✓		Innovation & Lifelong Learning
15	Apply entrepreneurship and strategic management principles to establish or develop maritime-related enterprises in a competitive global environment.		✓			Entrepreneurship & Strategic Management

*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	2	3	2	2	2	2
PO2	3	3	3	2	2	3	3	2	3	2
PO3	2	2	2	2	2	2	1	1	2	1
PO4	2	2	2	2	1	2	1	1	2	1
PO5	2	2	2	2	2	2	3	3	2	2
PO6	1	2	2	2	2	2	2	2	2	2
PO7	1	1	1	1	1	1	2	2	2	2
PO8	1	1	1	1	1	1	1	2	2	2
PO9	1	1	2	2	2	2	2	2	3	3
PO10	2	2	2	2	2	2	2	2	3	3
PO11	1	1	1	1	1	1	1	1	2	2
PO12	1	1	1	1	1	1	1	1	2	2
PO13	3	3	3	3	2	3	3	2	3	2
PO14	2	2	2	3	3	3	3	2	3	2
PO15	1	2	2	2	2	2	2	2	3	3

Course Learning Outcomes/ Evaluation Method		
Course Learning Outcomes (CLOs)	Teaching Method	Assessment Method
CLO1: Solve equations and inequalities and apply them to business and economic problems.	Lectures, problem-solving sessions, guided exercises	Quizzes, Midterm Exam, Homework Assignments
CLO2: Interpret and analyze functions and their graphs in economic and business contexts.	Lectures, visual graph analysis, classroom practice	Quizzes, Midterm Exam, Final Exam
CLO3: Use linear and quadratic models (lines, parabolas, systems) to model business/economic phenomena.	Lectures, applied examples, group exercises	Homework, Midterm Exam, Final Exam
CLO4: Apply exponential and logarithmic functions to growth, decay, and economic modeling.	Lectures, example-based learning, practice problems	Quizzes, Midterm Exam, Final Exam
CLO5: Use financial mathematics concepts (interest, annuities, discounting) to solve business-related problems.	Lectures, real-world applications, in-class problem solving	Homework, Quizzes, Final Exam
CLO6: Interpret mathematical results and relate them to real economic or business decision-making.	Case-based teaching, discussions, interactive examples	Midterm Exam, Final Exam
CLO7: Use mathematical reasoning to formulate and solve structured business problems.	Problem-solving sessions, tutorials	Homework, Quizzes, Final Exam
CLO8: Employ technology (e.g., calculators, spreadsheets) to analyze mathematical models.	Computer-assisted sessions, demonstrations	Homework, Practical Assessments
CLO9: Communicate mathematical ideas effectively using appropriate terminology.	In-class discussion, written assignments	Homework, Written Sections of Exams
CLO10: Demonstrate cumulative understanding of mathematical tools for business and economics.	Integrated teaching, revision sessions	Midterm Exam, Final Exam

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	15	15
Final Exam	1	2	2
Preparation for Final Exam	1	15	15
Presentation(s)	-	-	-
Preparation for Presentation(s)	-	-	-
Research for Project(s)/Essay(s)	-	-	-
Project Writing	-	-	-
Group Work	-	-	-
In-class Discussion(s)	15	2	30
Quiz(es)	-	-	-
Preparation for Quiz(es)	-	-	-
Laboratory	-	-	-
Assignment(s)/Homework/Class Works	1	15	15
Micro-Teaching Sessions	-	-	-
Lesson Planning	-	-	-
Materials Adaptation	-	-	-
Material Development	-	-	-
Draft Preparation	-	-	-
Drawing	-	-	-
Essay Writing	-	-	-
Tutorial(s)	-	-	-
Portfolio Preparation	-	-	-
Portfolio Presentation	-	-	-
Total Workload			139
ECTS Credit			5

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

Grading Policy	Percentage	Course Grade	Coefficient
	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
Course Requirements and Policies	Less than 70% attendance	NA	-



University of Kyrenia
Maritime Vocational School
Maritime Management and Operations
Syllabus



Course name: Navigation I							
Code	Year	Semester	Credit	ECTS	Course application, Hour/Week		
					Theoretical	Application	Laboratory
NAV101	I	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	
			60	-	-	40	
Course Venue and Time			Wednesday 14.30-17.20				
Instructor information			<p style="text-align: center;">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</p>				

Course Description	<p>Navigation I introduces students to the fundamental principles and techniques of marine navigation, focusing on both theoretical concepts and practical applications. The course covers the Earth's geometry, coordinate systems, latitude and longitude calculations, and the use of navigational instruments, charts, and nautical publications. Students learn the basics of distance and direction measurement, compass theory and correction, and coastal navigation methods for position fixing. Emphasis is placed on chartwork, maintenance, and updating procedures in accordance with maritime regulations, enabling students to develop essential skills for safe and efficient navigation.</p>
Course Aims and Objectives	<p>This course aims to provide students with fundamental knowledge of navigation principles, the Earth's geometry, coordinate systems, navigational instruments, charts, nautical publications, and coastal navigation methods. Students will develop skills to determine a vessel's position, course, and distance using both theoretical and practical approaches, and maintain navigational charts and publications in compliance with maritime regulations.</p>
Course Learning Outcomes	<p>CLO1 – Navigation Fundamentals: Define navigation and explain its history, types, and fundamental concepts in maritime operations.</p> <p>CLO2 – Earth and Coordinate Systems: Describe the Earth's shape, coordinate systems, and methods for calculating latitude and longitude differences.</p> <p>CLO3 – Navigational Instruments: Identify, select, and use navigational instruments, charts, and nautical publications effectively.</p> <p>CLO4 – Chart Work and Positioning: Measure distances and determine directions using nautical charts for accurate navigation.</p> <p>CLO5 – Compass Principles: Explain the principles, errors, and necessary corrections of magnetic and gyrocompasses in practical applications.</p> <p>CLO6 – Coastal Navigation Techniques: Apply coastal navigation methods and techniques for precise position fixing in coastal waters.</p> <p>CLO7 – Chart and Publication Maintenance: Maintain, update, and correct nautical charts and publications according to official maritime procedures.</p> <p>CLO8 – Practical Navigation Application: Integrate navigational knowledge and tools to solve real-world navigation problems onboard.</p> <p>CLO9 – Analytical Decision-Making: Analyze navigational data and chart information to make informed decisions for safe vessel operations.</p> <p>CLO10 – Communication of Navigational Information: Communicate navigational findings, routes, and position reports effectively using standard maritime terminology and practices.</p>

Content of the Course

Week	Subject
1	<p>Introduction to Navigation</p> <p>Definition and history of navigation</p> <p>Types of navigation (terrestrial, celestial, electronic, etc.)</p> <p>Fundamental elements of navigation</p> <p>English Maritime Terminology (Nautical Charts and Maritime Publications in English)</p> <p>Geographical terms, terms used in charts and publications</p> <p>English for understanding and using charts and maritime publications</p> <p>English sufficient to understand Notices to Mariners for correcting charts and publications</p>
2	<p>The Earth and Coordinate Systems</p> <p>The universe, solar system, and Earth's coordinate system</p> <p>Shape of the Earth: equator, poles, latitude, longitude, great circles and small circles</p> <p>Calculation and notation of differences in latitude and longitude</p>
3	<p>Navigation Tools, Charts, and Publications I</p> <p>Overview of tools and equipment used in navigation</p> <p>General characteristics of nautical charts and publications</p> <p>Introduction to projection systems and their classifications</p>
4	<p>Navigation Tools, Charts, and Publications II</p> <p>Features of equatorial Mercator charts</p> <p>Drawing and use of Mercator charts</p> <p>Small plotting sheets and definition of meridian parts</p>
5	<p>Distance and Direction Concepts in Navigation I</p> <p>Concepts of distance and direction</p> <p>Measuring and calculating distances on charts</p>
6	<p>Distance and Direction Concepts in Navigation II</p> <p>Great circle routes and rhumb lines</p> <p>Course and bearings (relative, true)</p> <p>Determining direction at sea, taking bearings and plotting them on charts</p>
7	<p>Chart and Nautical Publications I</p> <p>Information obtained from charts, light lists, and other nautical publications</p> <p>Symbols and abbreviations used on charts</p>
8	<p>Midterm Exam</p> <p>Covers Weeks 1–7 with both theoretical and applied questions</p>
9	<p>Chart and Nautical Publications II</p> <p>Chart correction and folio systems</p> <p>Notices to mariners and updating of nautical publications</p>

	Chart catalogues and their use
10	<p>Navigational Tools and Publications</p> <p>General information on navigational instruments and publications</p> <p>Map projection systems and their classification</p> <p>Features of Equatorial Mercator charts</p>
11	<p>Depth and Depth Measurement I</p> <p>Representation of depths on charts</p> <p>Principles and methods of depth measurement</p>
12	<p>Depth and Depth Measurement II</p> <p>Use of lead lines</p> <p>Echo-sounders and electronic sounding systems</p> <p>Application of depth measurements in navigation</p>
13	<p>Speed Measurement and Dead Reckoning (DR) Navigation I</p> <p>Fundamentals of dead reckoning navigation</p> <p>Marking the DR position on the chart</p> <p>Situations requiring DR application</p>
14	<p>Speed Measurement and Dead Reckoning (DR) Navigation II</p> <p>Types of logs and their working principles</p> <p>Errors and precautions in DR navigation</p> <p>Practical plotting exercises</p>
15	<p>Final Exam / Project Application</p> <p>Comprehensive assessment covering all course content</p> <p>Evaluation of both theoretical knowledge and practical navigation skills</p>

Methods and Techniques used in the Course

- Lectures with multimedia presentations
- Practical chartwork exercises in class
- Demonstrations of navigational instruments
- Problem-solving sessions for latitude/longitude and compass error calculations
- Group discussions and case studies based on real navigation scenarios

Sample Questions

- Define Great Circle and Rhumb Line. Mention one advantage of each in navigation.
- List three primary uses of nautical charts in coastal navigation.
- Explain the difference between True Bearing and Relative Bearing.
- On a Mercator chart, measure the distance between:

Point 1: Lat 36°15'N, Long 33°45'E

Point 2: Lat 36°45'N, Long 34°20'E

Show your work and express the answer in nautical miles.

- The difference in longitude between two positions is 45'. Calculate the time difference in minutes between them, assuming $1^\circ = 4$ minutes.
- A ship observes a lighthouse bearing 045° True at a distance of 8 NM. Plot the position on a Mercator chart and determine coordinates.
- Given two simultaneous bearings:

Object A: 120° True

Object B: 210° True

Plot the ship's fixed position using a Mercator chart.

Materials Used in the Course

Textbooks & References:

- Bowditch, The American Practical Navigator (latest edition)
- Dutton, Navigation and Piloting
- Admiralty Manual of Navigation (Volumes 1 & 2)
- IMO Model Course 7.03 & 7.04 – Navigation Modules

Nautical Charts (Mercator and other projection types)

Small-Scale Plotting Sheets

Nautical Publications:

- List of Lights
- Notices to Mariners
- Admiralty Sailing Directions
- Chart Catalogues

Navigation Instruments:

- Magnetic Compass and Gyrocompass Models
- Parallel Rulers, Divider Compasses, Protractors
- Distance Tables and Conversion Tables

Equipment & Software:

- Scientific Calculator
- ECDIS/E-Navigation Software (if available)
- Multimedia presentations and interactive simulations

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 fundamental knowledge of maritime business, shipping operations, port management, and international logistics.				✓	Maritime Business & Operations
2	Apply principles of management, economics, and finance to ship operations, chartering, brokerage, and maritime organizational decision-making.				✓	Maritime Economics & Management
3	Understand and interpret international maritime law, conventions, and trade regulations including SOLAS, MARPOL, UNCLOS, and INCOTERMS.				✓	Maritime Law & Policy
4	Plan and manage port and terminal operations efficiently, considering cargo handling systems, port logistics, and intermodal transport networks.				✓	Port & Terminal Operations Management
5	Employ digital tools and data-driven approaches in ship management, fleet performance monitoring, and maritime logistics systems.				✓	Digital Maritime Operations
6	Integrate sustainability, environmental protection, and decarbonization principles into maritime and logistics operations in line with IMO GHG strategy.			✓		Sustainability & Green Shipping
7	Demonstrate competence in maritime risk assessment, safety management systems (ISM Code), and crisis response in ship and shore-based contexts.		✓			Safety & Risk Management
8	Exhibit leadership, teamwork, and communication skills necessary for multicultural and interdisciplinary maritime organizations.			✓		Leadership & Intercultural Communication
9	Apply marketing, logistics, and supply chain strategies to global shipping and maritime transport sectors.			✓		Global Logistics & Supply Chain Management
10	Prepare and analyze charter parties, bills of lading, and other shipping documents while managing cargo claims and marine insurance issues.			✓		Maritime Documentation & Insurance
11	Utilize effective business English and Maritime English for negotiation, correspondence, and documentation within international maritime contexts.		✓			Maritime Communication & Professional English
12	Demonstrate ethical awareness, corporate responsibility, and adherence to international professional standards in maritime and logistics management.		✓			Ethics & Corporate Responsibility
13	Develop research skills and analytical thinking to identify, evaluate, and solve complex problems in maritime transport and logistics systems.		✓			Analytical Thinking & Research Skills
14	Adapt to innovations such as digitalization, automation, and smart shipping technologies through continuous professional development.			✓		Innovation & Lifelong Learning
15	Apply entrepreneurship and strategic management principles to establish or develop maritime-related enterprises in a competitive global environment.		✓			Entrepreneurship & Strategic Management

*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	1	2	2	2
PO2	1	1	2	2	1	2	1	2	3	2
PO3	2	2	2	1	2	2	3	3	2	2
PO4	1	1	1	1	2	3	3	1	1	2
PO5	3	1	3	2	2	2	2	2	3	2
PO6	2	2	2	2	3	2	3	2	2	2
PO7	1	1	1	1	1	1	1	1	1	1
PO8	1	1	1	1	0	1	1	1	1	1
PO9	1	1	1	1	1	1	1	1	0	1
PO10	1	1	2	3	3	2	1	1	1	3
PO11	1	1	1	1	1	1	1	1	1	2
PO12	1	1	1	1	1	1	1	1	1	2
PO13	1	1	2	3	3	2	1	1	1	3
PO14	1	1	2	3	3	2	1	1	1	3
PO15	1	1	2	3	3	2	1	1	1	3

Course Learning Outcomes/ Evaluation Method		
CLO	Teaching Method	Assessment Method
CLO1 – Navigation Fundamentals	Lecture, Historical Case Studies, Multimedia Presentation	Quizzes, Midterm Exam, Final Exam
CLO2 – Earth and Coordinate Systems	Lecture, Tutorials, Map Exercises	Homework, Midterm Exam, Quizzes
CLO3 – Navigational Instruments	Demonstration, Hands-on Practice, Lab Sessions	Practical Exams, Lab Reports, Assignments
CLO4 – Chart Work and Positioning	Workshop, Problem-Solving Exercises, Chart Plotting	Lab Reports, Quizzes, Final Exam
CLO5 – Compass Principles	Lecture, Demonstration, Case Studies	Quizzes, Homework, Midterm Exam
CLO6 – Coastal Navigation Techniques	Practical Training, Simulation, Guided Exercises	Lab Reports, Practical Exams, Assignments
CLO7 – Chart and Publication Maintenance	Lecture, Tutorials, Guided Practice	Lab Reports, Assignments, Quizzes
CLO8 – Practical Navigation Application	Integrated Exercises, Case Studies, Simulations	Lab Reports, Project Work, Final Exam
CLO9 – Analytical Decision-Making	Problem-Solving Sessions, Scenario Analysis	Assignments, Quizzes, Final Exam
CLO10 – Communication of Navigational Information	Presentations, Group Discussions, Report Writing	Oral Presentations, Written Reports, Lab Reports

ECTS / Workload Table			
Activities	Number	Duration (Hours)	Total Workload
Preparation for lectures	15	1	15
Lectures	15	4	60
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	-	-	-
In-class Discussion(s)	15	1	15
Quiz(es)	-	-	-
Preparation for Quiz(es)	-	-	-
Laboratory	-	-	-
Assignment(s)/Homework/Class Works	1	20	20
Micro-Teaching Sessions	-	-	-
Lesson Planning	-	-	-
Materials Adaptation	-	-	-
Material Development	-	-	-
Draft Preparation	-	-	-
Drawing	-	-	-
Essay Writing	-	-	-
Tutorial(s)	-	-	-
Portfolio Preparation	-	-	-
Portfolio Presentation	-	-	-
Total Workload			134
ECTS Credit			3

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

Grading Policy	Percentage	Course Grade	Coefficient
	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
Course Requirements and Policies	Less than 70% attendance	NA	-



University of Kyrenia
Maritime Vocational School
Maritime Management and Operations
Syllabus



Course name: Maritime Safety I							
Code	Year	Semester	Credit	ECTS	Course application, Hour/Week		
					Theoretical	Application	Laboratory
SAF101	I	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 08.30 -12.20				
Instructor information			<p>Cpt. Çağrı Deliceirmak Faculty of Maritime Studies Friday / 09:00 – 12:00 +90 (392) 650 26 00 / 4060 cagri.deliceirmak@kyrenia.edu.tr www.kyrenia.edu.tr</p>				

Course Description	<p>Maritime Safety I provide students with essential knowledge and practical skills for maintaining safety, security, and environmental protection at sea. The course covers personal safety and social responsibilities, basic first aid, emergency response, accident prevention, and the use of safety equipment in maritime operations. Students will learn to assess risks, manage casualties, handle medical emergencies, and respond effectively to incidents involving fire, flooding, collisions, and piracy. Additionally, the course introduces maritime security principles, the ISPS Code, and procedures to prevent pollution and protect the marine environment. Through a combination of theoretical instruction and practical exercises, students will develop the competencies needed to operate safely and responsibly aboard ships in compliance with international maritime regulations. The course will be conducted in accordance with the IMO Model Courses 1.13, 1.21, 3.26, and 3.27, as well as the national regulation "Egitim Sinav Yonergesi 2025" of the Turkish Republic. Successful students will obtain mandatory STCW certificates of (1); Personal Safety and Social Responsibility, (2); Security Familiarization, (3); Security Awareness, (4) Designated Security Duties, and (5) Elementary First Aid. The contents of the course are; Introduction to Safety and Emergencies.</p>
Course Aims and Objectives	<p>This course aims to train students with the knowledge, skills, and competencies required to ensure safety and security on board ships. It focuses on personal safety, first aid, emergency response, maritime security awareness, accident prevention, and environmental protection in maritime operations. The course emphasizes both theoretical understanding and practical application, preparing students for safe, responsible performance in real-world maritime environments.</p> <ul style="list-style-type: none"> • Comprehend the concepts of safety, security, and emergency procedures onboard. • Comprehend safe working practices, emergency response procedures, and risk management protocols onboard. • Recognize the importance of effective communication and human relationship skills, including gender issues, minority issues, and shipboard discipline, as well as preventing and responding to violence and harassment. • Understand the importance of managing fatigue and stress on ships. • Comprehend the environmental impact of maritime operations and implement pollution prevention measures onboard. • Learn and practice the use of personal life-saving appliances and protective equipment onboard. • Acquire knowledge and comprehend maritime security protocols, including the ISPS Code, as well as security threat recognition. • Acquire fundamental first aid skills and effectively handle medical emergencies while aboard.
	<p>LO1: Implement safety, security, and emergency protocols aboard.</p> <p>LO2: Maintain safe working practices, implement risk assessments, and emergency procedures on board.</p>

Course Learning Outcomes	<p>LO3: Maintain effective communication and human relationship skills, including the prevention and response to issues related to gender, minority groups, violence, and harassment.</p> <p>LO4: Implement strategies for managing fatigue and stress to improve onboard organization.</p> <p>LO5: Recognize environmental pollution risks and implement preventive measures to uphold environmental protection.</p> <p>LO6: Identify and correctly utilize personal life-saving appliances and protective equipment aboard.</p> <p>LO7: Familiarize with maritime security regulations, including the ISPS Code, and ship security protocols, and implement appropriate onboard security procedures to prevent and address security threats.</p> <p>LO8: Demonstrate knowledge of basic first aid procedures and apply them effectively in medical emergencies on board.</p>
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Content of the Course

Week	<i>Subject</i>
1	Introduction to Maritime First Aid Terminology and related maritime English terms Overview of maritime accidents and medical emergencies Assessing personal safety and accident risks Evaluating the human body and vital functions
2	Emergency Response and Immediate Actions Terminology and related maritime English terms Accident site management Positioning of the casualty and the unconscious casualties CPR and life-support techniques Controlling bleeding, shock management, and burns
3	Casualty Handling and First Aid Materials Terminology and related maritime English terms Electrical and thermal hazard interventions Safe casualty evacuation and transfer Application of bandages and use of emergency kits
4	Basic First Aid Practical Session Content and use of the emergency first aid kit CPR and life-support applications Safe casualty evacuation and transfer Application of bandages and use of emergency kits
5	PSSR - Personal Safety and Social Responsibility Terminology and related maritime English terms Safety concept and Emergencies onboard. Types of Emergencies Ship emergency plans and alternative contingency planning Emergency alarm systems and sound signals. Muster Stations, Muster Lists, and Emergency Duties
6	PSSR – Personal LSA, Mustering and Emergency Procedures Terminology and related maritime English terms Mustering and correct use of personal life-saving appliances Immediate actions in emergency and response procedures Escape routes, internal communications, and alarm systems
7	PSSR - Environmental Protection at Sea Terminology and related maritime English terms Effects of shipping and pollution on marine ecosystems Pollution prevention and the measures of pollution prevention MARPOL, Annexes, Special Areas and restrictions Content of Oil and Garbage Record Books,
8	PSSR – Personal Safety and Safe Working Practice Onboard Terminology and related maritime English terms Importance of maintaining safe working practices on board Ship familiarization and nature of onboard hazards Types of Personal Protective Equipment (PPE) and their usage Routine shipboard operations and risks, such as cargo, mooring, engine, and maintenance operations Work permits, enclosed space entry, working at height, and hot-work procedures
9	PSSR - Teamwork, Human Relations, and Fatigue Management Terminology and related maritime English terms

	<p>Importance of language, communication skills, and methods to maintain effective communication.</p> <p>Shipboard routines, watchkeeping procedures, and command structure on board a vessel</p> <p>Maintaining effective human relationships and conflict resolution</p> <p>Social responsibilities, personal rights, and obligations onboard</p> <p>Importance of self-discipline and shipboard discipline</p>
10	<p>PSSR - Teamwork, Human Relations, and Fatigue Management</p> <p>Terminology and related maritime English terms</p> <p>Prevention and response to gender, minority, violence, and harassment issues on board</p> <p>Importance of nutrition, health, and hygiene onboard</p> <p>Effects of alcohol and drugs on seafarers and their dangers</p> <p>Fatigue recognition and management: effects of sleep, schedules, and physical stress</p>
11	<p>Ship Security Familiarization</p> <p>Terminology and related maritime English terms</p> <p>Introduction to ISPS Code and onboard security procedures</p> <p>Identifying security breaches and potential threats (piracy, armed robbery)</p> <p>Basic shipboard security procedures</p>
12	<p>Ship Security Familiarization and Ship Security Awareness</p> <p>Terminology and related maritime English terms</p> <p>Duties and responsibilities of the Governments, Companies, Ships, Port Facilities, the Master, and crew members</p> <p>Company Security Officer, Ship Security Assessment, Ship Security Plan, Ship Security Officer, Port Facility Security Plan, Port Facility Security Officer, Declaration of Security, and their relationships</p> <p>Introduction to Security Levels</p>
13	<p>Ship Security Awareness and Designated Duties</p> <p>Terminology and related maritime English terms</p> <p>Security Levels, Procedures, and Applications</p> <p>Security training and drills, national and international procedures</p> <p>Reporting and managing security threats</p>
14	<p>Security Risk Identification and Threat Recognition</p> <p>Terminology and related maritime English terms</p> <p>Recognizing methods and techniques used to cause security threats</p> <p>Identifying potential threats, including weapons, hazardous materials, and suspicious devices</p> <p>Handling security-related communication and information</p>
15	<p>Use of Security Equipment and Systems</p> <p>Terminology and related maritime English terms</p> <p>Familiarity with ship security systems and hardware</p> <p>Testing, calibrating, and maintaining security equipment</p> <p>Response to piracy and armed robbery incidents</p>

Methods and Techniques used in the Course

Lectures and Interactive Discussions:

- Presentation of theoretical concepts related to maritime safety and security, emergency procedures, and emergency procedures.
- Encouraging active participation and Q&A sessions to deepen understanding.

Practical Demonstrations and Simulations:

- Hands-on training in first aid, personal lifesaving equipment, and emergency response.
- Use of simulated accident scenarios, emergency drills, and onboard equipment demonstrations.

Case Studies and Problem-Solving Exercises:

- Analysis of real maritime incidents to understand causes, preventive measures, and response strategies.
- Group exercises to develop decision-making and critical thinking skills during emergencies.

Use of Multimedia and E-Learning Tools:

- Instructional videos, interactive e-learning modules, and digital resources to illustrate safety procedures and equipment use.

Teamwork and Role-Playing Activities:

- Role assignment in emergency scenarios to practice coordination, communication, and leadership under pressure.

Assessments and Feedback:

- Regular evaluation of practical skills, knowledge tests, and drills.
- Immediate feedback and reflection sessions to improve performance and understanding.

Integration with International Standards:

- Training aligned with IMO, SOLAS, MARPOL, STCW, and ISPS Code requirements for maritime safety and security.

Sample Questions

First Aid & Emergency Response:

- Describe the steps you would take to assess a casualty after a fire on board.
- Explain how to control severe bleeding and manage shocks until further medical assistance is available.
- What is the correct procedure for performing CPR on an unconscious person in a maritime environment?

Shipboard Safety & Personal Protection:

- List the key personal protective equipment used on a ship and explain their purpose.
- What are the designated assembly stations during an emergency, and what procedures should be followed upon hearing the general alarm?

Marine Pollution Prevention:

- Explain the measures a crew member must take to prevent operational oil pollution.
- How does the MARPOL convention regulate shipboard oil pollution, and what are the consequences of non-compliance?

Fatigue Management & Human Factors:

- Discuss the effects of fatigue on shipboard operations and decision-making.
- What strategies can be employed to manage fatigue during extended watchkeeping periods?

Maritime Security & Threat Recognition:

- Describe the procedures to follow if a ship is threatened by piracy or armed robbery.
- Explain the purpose and use of the Ship Security Alert System (SSAS).
- Identify the potential security threats in the port and explain how to mitigate them.

Teamwork & Communication:

- Provide an example of an effective communication strategy during an onboard emergency.
- Discuss the importance of teamwork in managing onboard emergencies.

Practical Applications:

- Using a hypothetical scenario, demonstrate how to implement an emergency evacuation plan on a cargo ship.
- Explain how to verify the operational readiness of shipboard security equipment, such as CCTV, alarms, or access controls.

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, MARPOL Practical Guide, ISPS Guidelines, LSA Code, PSSR Workbook, The Ultimate Guide to Personal Safety on Ships, International Medical Guide for Ships
- Related IMO Model Courses and STCW (Standards of Training, Certification, and Watchkeeping) manuals.
- Maritime Safety textbooks covering personal safety and protective equipment, shipboard emergency procedures, personal survival techniques, and pollution prevention, including SOLAS, MARPOL, STCW, ISPS Code, LSA Code, and Medical Guide for Ships
 - SOLAS Consolidated Edition
 - MARPOL Practical Guide
 - ISPS Guidelines
 - LSA Code
 - PSSR Workbook
 - The Ultimate Guide to Personal Safety on Ships
 - International Medical Guide for Ships

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.
- Online resources from the International Maritime Organization (IMO) and maritime safety training platforms.
- Mannequins and CPR training devices for first aid and life-saving practice.
- Personal Safety Equipment, including Life Jacket, Life Buoy, Immersion Suits, and TPAs.
- Personal protective equipment (PPE) such as helmets, gloves, and goggles.

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 fundamental knowledge of maritime business, shipping operations, port management, and international logistics.				✓	Maritime Business & Operations
2	Apply principles of management, economics, and finance to ship operations, chartering, brokerage, and maritime organizational decision-making.				✓	Maritime Economics & Management
3	Understand and interpret international maritime law, conventions, and trade regulations including SOLAS, MARPOL, UNCLOS, and INCOTERMS.				✓	Maritime Law & Policy
4	Plan and manage port and terminal operations efficiently, considering cargo handling systems, port logistics, and intermodal transport networks.				✓	Port & Terminal Operations Management
5	Employ digital tools and data-driven approaches in ship management, fleet performance monitoring, and maritime logistics systems.				✓	Digital Maritime Operations
6	Integrate sustainability, environmental protection, and decarbonization principles into maritime and logistics operations in line with IMO GHG strategy.			✓		Sustainability & Green Shipping
7	Demonstrate competence in maritime risk assessment, safety management systems (ISM Code), and crisis response in ship and shore-based contexts.		✓			Safety & Risk Management
8	Exhibit leadership, teamwork, and communication skills necessary for multicultural and interdisciplinary maritime organizations.			✓		Leadership & Intercultural Communication
9	Apply marketing, logistics, and supply chain strategies to global shipping and maritime transport sectors.				✓	Global Logistics & Supply Chain Management
10	Prepare and analyze charter parties, bills of lading, and other shipping documents while managing cargo claims and marine insurance issues.				✓	Maritime Documentation & Insurance
11	Utilize effective business English and Maritime English for negotiation, correspondence, and documentation within international maritime contexts.			✓		Maritime Communication & Professional English
12	Demonstrate ethical awareness, corporate responsibility, and adherence to international professional standards in maritime and logistics management.			✓		Ethics & Corporate Responsibility
13	Develop research skills and analytical thinking to identify, evaluate, and solve complex problems in maritime transport and logistics systems.			✓		Analytical Thinking & Research Skills
14	Adapt to innovations such as digitalization, automation, and smart shipping technologies through continuous professional development.				✓	Innovation & Lifelong Learning
15	Apply entrepreneurship and strategic management principles to establish or develop maritime-related enterprises in a competitive global environment.				✓	Entrepreneurship & Strategic Management

*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	2	2	2	2	2	x	x	
PO3	3	3	3	3	3	3	3	3	x	x	
PO4	3	3	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	2	x	x	
PO7	3	3	3	3	3	3	3	2	x	x	
PO8	3	3	3	3	3	3	3	2	x	x	
PO9	3	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	2	x	x	
PO13	3	2	2	1	1	1	1	1	x	x	
PO14	3	2	2	1	1	1	1	1	x	x	
PO15	3	2	2	1	1	1	1	1	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	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	4	8
Micro-Teaching Sessions	-	-	-
Lesson Planning	-	-	-
Materials Adaptation	-	-	-
Material Development	-	-	-
Draft Preparation	-	-	-
Drawing	-	-	-
Essay Writing	-	-	-
Tutorial(s)	-	-	-
Portfolio Preparation	-	-	-
Portfolio Presentation	-	-	-
Total Workload			95
ECTS Credit			3

Evaluation System		
Semester Requirements	Number	Percentage of Grade
Attendance/Participation	1	10
Laboratory	-	-
Application	1	25
Field Work (Class Work)	-	-
Special Course Internship (Work Placement)	-	-
Assignment(s)/Homework/Class Works	1	15
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	5	100

Grading Policy	Percentage	Course Grade	Coefficient
	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	<ul style="list-style-type: none"> 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
Maritime Vocational School
Maritime Management and Operations
Syllabus



Course name: Seamanship I							
Code	Year	Semester	Credit	ECTS	Course application, Hour/Week		
					Theoretical	Application	Laboratory
SEA101	I	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 Deliceirmak 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	<p>This course provides students with a fundamental understanding of seamanship and ship structure, focusing on the types, classification, components, and equipment of ships, as well as crew duties and responsibilities. Topics include ship types and dimensions, tonnage measurements, nautical measurements, structural elements, and deck fittings. The course also covers shipboard organization, crew duties, and traditions of life at sea. Additionally, students will gain familiarity with English maritime terminology, enabling them to communicate effectively in an international maritime environment. By combining theoretical knowledge with applied terminology, the course aims to build a solid foundation for future professional practice in navigation, engineering, and maritime operations.</p>
Course Aims and Objectives	<p>The primary aim of this course is to introduce students to the fundamental principles of seamanship and ship structure, while developing their understanding of ship types, components, operations, and maritime terminology in English.</p> <ul style="list-style-type: none"> • Comprehend the classification, categories, and dimensions of ships, including the concept of tonnage. • Acquire a comprehensive understanding of the nautical measurements, units, and directions utilized in maritime contexts. • Identify and describe the structural components of ships, including the hull, decks, bulkheads, superstructures, fittings, and framing systems. • Identify the duties and responsibilities of shipboard personnel and understand shipboard organization and traditions. • Cultivate proficiency in utilizing and understanding English maritime terminology associated with ship components, operations, and seamanship. • Acquire practical awareness of safe working practices and shipboard routines. • Establish a foundation for advanced study and professional application in navigation, engineering, and maritime operations.
Course Learning Outcomes	<p>LO1: Identify and classify ships according to their types, functions, and structural characteristics.</p> <p>LO2: Recognize ship classification by categories, dimensions, and tonnage concepts, and relate them to ship design and operational capacity.</p> <p>LO3: Demonstrate knowledge of nautical units, measurements, and directions.</p> <p>LO4: Describe the primary structural components of a vessel, including the hull, decks, bulkheads, superstructures, deck fittings, framing systems, and other relevant elements, employing appropriate maritime terminology.</p> <p>LO5: Demonstrate an understanding of shipboard organization, including the hierarchy, responsibilities of officers and ratings, and the overall crew structure.</p> <p>LO6: Utilize English maritime terminology proficiently in references to ship components, seamanship operations, and onboard communication.</p> <p>LO7: Demonstrate safe working practices and routines onboard, while demonstrating awareness of seamanship traditions and professional conduct.</p> <p>LO8: Integrate seamanship knowledge as a foundation for advanced navigation, construction, ship handling, and maritime operations.</p>

Content of the Course

Week	<i>Subject</i>
1	<p>Introduction to Seamanship</p> <p>Terminology and related maritime English terms</p> <p>Definition of seamanship and its historical development</p> <p>Importance of seamanship in maritime operations</p> <p>Basic maritime terminology</p>
2	<p>Types and Classification of Ships</p> <p>Terminology and related maritime English terms</p> <p>Definition and classification of ships</p> <p>Merchant, naval, and service vessels</p> <p>Human-powered, sailing, and motor-driven craft</p>
3	<p>Types and Classification of Ships</p> <p>Terminology and related maritime English terms</p> <p>Cargo Ship types, dimensions, and classifications</p> <p>Tanker types, dimensions, and classifications</p> <p>Bulk Carrier types, dimensions, and classifications</p>
4	<p>Types and Classification of Ships</p> <p>Terminology and related maritime English terms</p> <p>Container Ship types, dimensions, and classifications</p> <p>Passenger Ship types, dimensions, and classifications</p> <p>RORO and Special Purpose Ship types, dimensions, and classifications</p>
5	<p>Types and Classification of Ships</p> <p>Terminology and related maritime English terms</p> <p>Boats, structure, accessories, and equipment</p> <p>Varieties of sailing boats and their characteristics</p> <p>Types of sails and sail parts</p> <p>Masts, spars, and rigging terminology</p>
6	<p>Directions on Ships</p> <p>Terminology and related maritime English terms</p> <p>Directions aboard the ship: port, starboard, forward, aft, and midship</p> <p>Directions about the ships: ahead, astern, bow, and quarters</p>
7	<p>Structure and Parts of Ships</p> <p>Terminology and related maritime English terms</p> <p>Hull structure and keel</p> <p>Bulkheads, compartments</p> <p>Cargo holds and hatch covers</p> <p>Superstructure and accommodation</p> <p>Main deck and other decks</p> <p>Navigation bridge, Funnel, and engine casing</p> <p>Masts and parts of masts</p>
8	<p>Structure and Parts of Ships</p> <p>Terminology and related maritime English terms</p> <p>Engine Room</p> <p>Main and Auxiliary engines</p> <p>Propeller, Rudder, and Thrusters</p> <p>Tanks and pipelines</p>

	Steering gear room, stores, and lockers Coffer dams, duct-keel, and tunnels
9	Structure and Parts of Ships Terminology and related maritime English terms Keel, bulkheads, and Shell plating Frames and framing systems Longitudinal and transverse frames Deck fittings Manholes, watertight doors Ventilation and fan systems Gangways, ladder, and accommodation ladders
10	Load Lines Terminology and related maritime English terms Load lines International load line zones Load-lines Marks or Plimsol Marks, Tonnage concepts Measurement standards
11	Tonnage Measurements of Ships Terminology and related maritime English terms Tonnage measurements Gross tonnage, Net tonnage, Long Ton, Short Ton, and Metric Ton Deadweight, Displacement, Light Displacement Draft and draft marks
12	Nautical Measurements Terminology and related maritime English terms Length and Speed measurements Weight and Volume measurements Other nautical measurements
13	Shipboard Organization and Crew Structure I Shipboard organizational and management structure The Master and crew, definition Duties and Responsibilities of the Master, Officers, and Engineers Duties and responsibilities of the deck, engine, and catering crew
14	Shipboard Organization and Crew Structure II Watchkeeping duties and responsibilities International regulations on crew work-rest hours Life on board: rules, traditions, and culture
15	Review and Final Evaluation Recap of seamanship, ship types, parts, measurements, and organizational structure Practical assessment and scenario-based exercises Evaluation of student competence in shipboard safety and security operations

Methods and Techniques used in the Course

Lectures & Theoretical Explanations – Instructor-led presentations supported by visual materials to explain ship structures, classifications, and maritime terminology.

Classroom Discussions & Question–Answer Sessions – Interactive sessions to encourage critical thinking and clarification of concepts.

Case Studies & Problem-Solving Activities – Analysis of real-life seamanship scenarios and shipboard operations to enhance decision-making skills.

Practical Demonstrations – Use of ship models, diagrams, and multimedia tools to demonstrate structural elements, equipment, and seamanship practices.

Collaborative Learning – Group assignments and peer discussions to promote teamwork and communication using maritime terminology.

Simulation-Based Learning (where applicable) – Application of ship handling and navigation software, or bridge simulators, to reinforce theoretical knowledge.

Terminology Drills & Exercises – Practice of English maritime terms to improve professional language competence.

Assignments & Projects – Independent research tasks and written reports to develop analytical and academic writing skills.

Examinations & Quizzes – Assessment methods to measure theoretical understanding and practical application.

Sample Questions

- Explain the function of the keel, frames, and bulkheads in ensuring structural integrity.
- What is the purpose of watertight bulkheads and cofferdams?
- Describe the role of the bridge and engine room in ship operations.
- What is the difference between *gross tonnage (GT)* and *net tonnage (NT)*?
- What are the duties of the deck officers and engine officers?

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, Introduction to Naval Architecture, Ship Construction, Seamanship Techniques: Shipboard and Marine Operations, The Annapolis Book of Seamanship.

Supplementary Resources

- Instructional videos demonstrate seamanship techniques, and ship construction.
- Online resources from the International Maritime Organization (IMO) and maritime safety training platforms.
- Training ship

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 fundamental knowledge of maritime business, shipping operations, port management, and international logistics.				✓	Maritime Business & Operations
2	Apply principles of management, economics, and finance to ship operations, chartering, brokerage, and maritime organizational decision-making.				✓	Maritime Economics & Management
3	Understand and interpret international maritime law, conventions, and trade regulations including SOLAS, MARPOL, UNCLOS, and INCOTERMS.				✓	Maritime Law & Policy
4	Plan and manage port and terminal operations efficiently, considering cargo handling systems, port logistics, and intermodal transport networks.				✓	Port & Terminal Operations Management
5	Employ digital tools and data-driven approaches in ship management, fleet performance monitoring, and maritime logistics systems.				✓	Digital Maritime Operations
6	Integrate sustainability, environmental protection, and decarbonization principles into maritime and logistics operations in line with IMO GHG strategy.			✓		Sustainability & Green Shipping
7	Demonstrate competence in maritime risk assessment, safety management systems (ISM Code), and crisis response in ship and shore-based contexts.		✓			Safety & Risk Management
8	Exhibit leadership, teamwork, and communication skills necessary for multicultural and interdisciplinary maritime organizations.			✓		Leadership & Intercultural Communication
9	Apply marketing, logistics, and supply chain strategies to global shipping and maritime transport sectors.			✓		Global Logistics & Supply Chain Management
10	Prepare and analyze charter parties, bills of lading, and other shipping documents while managing cargo claims and marine insurance issues.			✓		Maritime Documentation & Insurance
11	Utilize effective business English and Maritime English for negotiation, correspondence, and documentation within international maritime contexts.		✓			Maritime Communication & Professional English
12	Demonstrate ethical awareness, corporate responsibility, and adherence to international professional standards in maritime and logistics management.		✓			Ethics & Corporate Responsibility
13	Develop research skills and analytical thinking to identify, evaluate, and solve complex problems in maritime transport and logistics systems.		✓			Analytical Thinking & Research Skills
14	Adapt to innovations such as digitalization, automation, and smart shipping technologies through continuous professional development.			✓		Innovation & Lifelong Learning
15	Apply entrepreneurship and strategic management principles to establish or develop maritime-related enterprises in a competitive global environment.		✓			Entrepreneurship & Strategic Management

*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	2	3	3	3	x	x	
PO3	3	3	3	3	3	3	3	3	x	x	
PO4	3	3	3	3	2	3	3	3	x	x	
PO5	2	2	3	2	3	2	2	2	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	3	2	2	2	x	x	
PO9	1	1	1	1	1	1	1	1	x	x	
PO10	3	3	3	3	3	3	3	3	x	x	
PO11	2	2	2	2	3	2	2	2	x	x	
PO12	3	3	3	3	3	3	3	3	x	x	
PO13	2	2	2	2	3	2	2	2	x	x	
PO14	2	2	2	2	3	2	2	2	x	x	
PO15	2	2	2	2	3	2	2	2	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	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	-	-
Field Work	-	-
Special Course Internship (Work Placement)	-	-
Assignment(s)/Homework/Class Works	2	20
Providing reliability and motivation for the individual homework completion and Submission	-	-
Presentation/Jury	-	-
Project	-	-
Quiz	-	-
Midterms/Oral Exams	1	30
Final/Oral Exams	1	40
Total	5	100

Grading Policy	Percentage	Course Grade	Coefficient
	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
Course Requirements and Policies	Less than 70% attendance	NA	-



University of Kyrenia
Maritime Vocational School
Maritime Management and Operations
Syllabus



Course name: Turkish I: Written Expression							
Code	Year	Semester	Credit	ECTS	Course application, Hour/Week		
					Theoretical	Application	Laboratory
TUR101	I	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	<p><i>Turkish I: Written Expression</i> 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.</p>
Course Aims and Objectives	<p>To develop students' understanding of the fundamental grammatical structure of the Turkish language.</p> <p>To enhance students' ability to write correctly using proper spelling, punctuation, and sentence structures.</p> <p>To provide students with a comprehensive understanding of Turkish phonetics, word formation, and morphological rules.</p> <p>To improve students' written communication skills in various contexts, emphasizing clarity and accuracy.</p> <ul style="list-style-type: none"> • 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	<p>CLO1 – Phonetics Demonstrate understanding of Turkish phonetic features and apply them correctly in writing.</p> <p>CLO2 – Word Stress Identify and apply proper word stress patterns in written texts.</p> <p>CLO3 – Word Types Distinguish between different word types and use them accurately in sentences.</p>

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 <ul style="list-style-type: none"> • Overview of the course objectives • Importance of written expression in Turkish • Introduction to basic phonetic features
2	Phonetics and Pronunciation <ul style="list-style-type: none"> • Turkish vowel and consonant sounds • Word stress patterns in Turkish • Common pronunciation rules
3	Word Types in Turkish I <ul style="list-style-type: none"> • Nouns, pronouns, adjectives, verbs, adverbs • Examples of usage in sentences • Basic exercises
4	Word Types in Turkish II <ul style="list-style-type: none"> • Conjunctions, prepositions, interjections, numerals • Role of each word type in sentence structure
5	Phrase Structures I <ul style="list-style-type: none"> • Definition of phrases in Turkish • Noun phrases and verb phrases • Examples and exercises
6	Phrase Structures II <ul style="list-style-type: none"> • Adjective phrases, adverbial phrases • Combining phrases for meaning • Practice exercises
7	Sentence Types I <ul style="list-style-type: none"> • Simple sentences • Compound sentences • Examples and sentence formation
8	Sentence Types II <ul style="list-style-type: none"> • Complex sentences • Subordinate clauses • Practice with sentence combination
9	Suffixes I <ul style="list-style-type: none"> • Noun suffixes: plural, possessive, case suffixes • Usage and examples
10	Suffixes II <ul style="list-style-type: none"> • Verb suffixes: tense, aspect, mood, person markers • Derivational suffixes • Exercises for application
11	Punctuation Marks I <ul style="list-style-type: none"> • Period, comma, colon, semicolon, question and exclamation marks • Rules and correct usage in sentences
12	Punctuation Marks II <ul style="list-style-type: none"> • Quotation marks, parentheses, hyphen, ellipsis, dash • Practical exercises in writing

13	Spelling Rules I <ul style="list-style-type: none"> • Common spelling rules in Turkish • Vowel harmony and consonant changes • Exercises with examples
14	Spelling Rules II & Review <ul style="list-style-type: none"> • Advanced spelling rules and exceptions • Review of phonetics, word types, suffixes, sentence and phrase structures • Writing practice
15	Final Assessment & Writing Practice <ul style="list-style-type: none"> • 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 fundamental knowledge of maritime business, shipping operations, port management, and international logistics.				✓	Maritime Business & Operations
2	Apply principles of management, economics, and finance to ship operations, chartering, brokerage, and maritime organizational decision-making.				✓	Maritime Economics & Management
3	Understand and interpret international maritime law, conventions, and trade regulations including SOLAS, MARPOL, UNCLOS, and INCOTERMS.				✓	Maritime Law & Policy
4	Plan and manage port and terminal operations efficiently, considering cargo handling systems, port logistics, and intermodal transport networks.				✓	Port & Terminal Operations Management
5	Employ digital tools and data-driven approaches in ship management, fleet performance monitoring, and maritime logistics systems.				✓	Digital Maritime Operations
6	Integrate sustainability, environmental protection, and decarbonization principles into maritime and logistics operations in line with IMO GHG strategy.			✓		Sustainability & Green Shipping
7	Demonstrate competence in maritime risk assessment, safety management systems (ISM Code), and crisis response in ship and shore-based contexts.		✓			Safety & Risk Management
8	Exhibit leadership, teamwork, and communication skills necessary for multicultural and interdisciplinary maritime organizations.			✓		Leadership & Intercultural Communication
9	Apply marketing, logistics, and supply chain strategies to global shipping and maritime transport sectors.			✓		Global Logistics & Supply Chain Management
10	Prepare and analyze charter parties, bills of lading, and other shipping documents while managing cargo claims and marine insurance issues.			✓		Maritime Documentation & Insurance
11	Utilize effective business English and Maritime English for negotiation, correspondence, and documentation within international maritime contexts.		✓			Maritime Communication & Professional English
12	Demonstrate ethical awareness, corporate responsibility, and adherence to international professional standards in maritime and logistics management.		✓			Ethics & Corporate Responsibility
13	Develop research skills and analytical thinking to identify, evaluate, and solve complex problems in maritime transport and logistics systems.		✓			Analytical Thinking & Research Skills
14	Adapt to innovations such as digitalization, automation, and smart shipping technologies through continuous professional development.			✓		Innovation & Lifelong Learning
15	Apply entrepreneurship and strategic management principles to establish or develop maritime-related enterprises in a competitive global environment.		✓			Entrepreneurship & Strategic Management

*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
PO13	1	1	2	3	3	2	1	1	1	3
PO14	1	1	2	3	3	2	1	1	1	3
PO15	1	1	2	3	3	2	1	1	1	3

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

Grading Policy	Percentage	Course Grade	Coefficient
	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
Course Requirements and Policies	Less than 70% attendance	NA	-