

University of Kyrenia
Maritime Vocational School
Marine and Port Management
Course Contents

Course Code	Course Name	(T,A,L)	Credit	ECTS	Core/Elective Course
SEA101	Seamanship I	(2,2,0)	3	4	Core Course
<p>This course aims to teach safe and effective seamanship to the students. The contents of the course are ship types, shipboard familiarization and organization, general terms and abbreviations used in maritime and on ships, ship parts, sections, compartments and their functions, introduction to good and safe practice in routine shipboard operations such as manoeuvring, mooring, cargo and maintenance operations.</p>					
Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
MET101	Maritime Meteorology	(2,1,0)	2,5	5	Core Course
<p>According to the rules of STCW, it is important to have the ability to accurately observe weather events and provide international communication and meteorological weather forecasting capabilities on board for the purpose of ensuring safe navigation and transportation. This course focuses on heat, wind, rain, clouds, precipitation, currents and meteorological processes connected with these basics.</p>					
Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
NAV101	Navigation I	(2,1,0)	2,5	3	Core Course
<p>In this course, students will learn about the definition and history of navigation, the evolution of nautical instructions, the structure and rotation of the Earth, as well as the concepts of latitude and longitude. They will also be introduced to the usage, symbols, and abbreviations used in nautical charts, as well as the importance of chart corrections and notices for mariners. Additionally, the course covers topics such as distance and direction measurement, nautical publications, and specifications.</p>					
Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
MRE101	Introduction to Marine Engineering	(2,1,0)	2,5	3	Core Course
<p>At the end of the second semester, students will have the opportunity to participate in a two-month summer shipboard training program. This program aims to provide students with hands-on experience and basic knowledge about ship machinery in preparation for their future internships. During this training, students will have the opportunity to work directly with ship machinery, gaining practical skills and familiarizing themselves with the operation, maintenance, and troubleshooting of various onboard systems. This valuable experience will enhance their understanding of the maritime industry and prepare them for their future careers as seafarers.</p>					
Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
MTH171	Mathematics I	(2,2,0)	3	5	Core Course
<p>This course is designed to develop the topics of differential and integral calculus. Emphasis is placed on limits, continuity, derivatives and integrals of algebraic and transcendental functions of one variable. Upon</p>					

completion, students should be able to select and use appropriate models and techniques for finding solutions to derivative-related problems with and without technology.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
EAS101	Economy	(3,0,0)	3	6	Core Course

Introduction. The Scope and Method of Economics. The Economic Problem: Scarcity and Choice.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
LAW151	Introduction to Law and Maritime Law	(3,0,0)	3	4	Core Course

This course covers several important topics related to the legal framework governing maritime activities. Students will learn about the main principles and sources of maritime public law, including international conventions, treaties, and national legislation. The course delves into the law of the sea, which encompasses various aspects such as maritime jurisdiction areas, including internal waters, territorial seas, contiguous zones, exclusive economic zones (EEZ), and the continental shelf. The concept of the high seas and international disputes related to high seas activities will also be explored.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
CMP151	Computer Programming	(2,2,0)	3	6	Core Course

This course is designed to give students an understanding of how a computer works its capabilities, limitations, and applications. This course is intended as a first computer course and it is not assumed that the student has background knowledge on the subject. The course will focus on theoretical issues during the first period, followed by application and hands-on skills.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
AİT101	Atatürk's Prin.And Rev.Hist.	(0,0,0)	0	1	Core Course

The reasons that prepared the collapse of the Ottoman Empire and the Turkish Revolution. Disintegration of the Ottoman Empire, Tripoli War, Balkan Wars, First World War. Armistice of Mudros. The situation of the country in the face of the occupations and the reaction of Mustafa Kemal Pasha, the departure of Mustafa Kemal Pasha to Samsun. The opening of the Turkish Grand National Assembly of the National Struggle. Treaty of Sevres. The Lausanne Peace Treaty. Atatürk. Principles: Republicanism, Nationalism. Populism, Statism. Secularism, Revolutionism.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
NAV102	Navigation II	(3,2,0)	4	5	Core Course

In this introductory course on navigation, students will gain a fundamental understanding of the principles and techniques used in navigating at sea. The course will cover various topics related to terrestrial navigation, chart usage, compasses, nautical instruments, and navigation aids. The course will begin with an overview of terrestrial navigation, including the concepts of traverse and latitude. Students will learn about different methods of terrestrial navigation and the practical application of tools such as Mercator charts and Norrie's Table in navigation.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
MMO102	Shipping Management I	(4,0,0)	4	4	Core Course

Introduction, Overview of the Transport System and Shipping Industry. Function of shipping and Its relationship to international trade, Maritime trade and international sales contract, Key component of shipping industry; types of ship, Terminology of measurements including Ship's dimensions and capacities; tonnages, cubic capacities, TEUs. Type of cargo and transportation services, Ship registration and identity, Purpose and Benefits of Registration, Ship Classification, The role, and functions of classification societies. Classification societies registers. Flag State: Ship's Flag State, Types of Ship Register Duties of flag State, Enforcement by flag States. Ship Certificates and documents. The Ship's Employment: Modes of ship employment.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
MMO104	Human Resource Management	(2,0,0)	2	3	Core Course

Introduction to Human Resource Management. Staffing I. Staffing II. Compensation and Benefits I. Compensation and Benefits II. Compensation and Benefits III. Performance Management I. Performance Management II. Human Resource Development I. Human Resource Development II. Global Human Resource Management & Future Issues I. Global Human Resource Management & Future Issues II.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
NRC102	Ship Construction	(2,2,0)	3	4	Core Course

In this course, students will acquire knowledge about the construction and general arrangement of ships and various components of the vessel. They will learn about the layout and design of the ship, including the arrangement of holds, engine room, peak tanks, double-bottom tanks, hatchways, bulkheads, cargo tanks, deck plating, frames, brackets, transverse frames, deck beams, shell plating, and other relevant structural elements. Additionally, this course will provide students with a comprehensive understanding of the minimum requirements for training seafarers on tanker ships, as specified by the International Convention on Standards of Training, Certification, and Watchkeeping for Seafarers (STCW). They will learn about the essential knowledge and skills needed to operate and work on tanker vessels safely and efficiently.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
PRT102	Ports and Terminals	(2,0,0)	2	3	Core Course

This course offers fundamental concepts and tools related to various subjects within the field of maritime transport and port management. Its main objective is to provide students with a comprehensive understanding of ship/port operations, harbor activities, and shipyard industry specificities. Students will explore the role and functions of seaports, gaining insights into the responsibilities of organizations, companies, and agencies involved in supporting port operations. The course covers topics such as port infrastructure, port planning and design, port operations and logistics, cargo handling and storage, maritime regulations and policies, and environmental considerations in port management.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
SWM102	Swimming	(0,2,0)	1	2	Core Course

The course "Swimming Principles and Practical Application" focuses on teaching students the essential principles of swimming and providing practical training in a pool environment. The primary objective of this course is to ensure that seafarers possess the necessary swimming skills and water survival techniques in case of emergencies or dangerous situations at sea, such as fires or abandoning the ship. Swimming proficiency is crucial for the safety and survival of seafarers during such incidents.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
PED102	Physical Education	(0,2,0)	1	1	Core Course

This course is designed to improve the physical fitness of the students which will help them during their seagoing training for better adaptation and maintaining good physical condition.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
EAS203	Accounting and Finance	(3,0,0)	3	5	Core Course

This course has been designed to give the students a foundation for accounting practices and procedures. Generally Accepted Accounting Principles and the standard accounting cycle will be the key focus of the course. The examples will be given from various industry operations. Introduction to Financial Management. Financial Planning and Analysis. Sources of Financing. Capitalization. Valuation. Working Capital. Working Capital Management. Accounts Receivable and Inventory Management. Capital Budgeting and Estimated Cash Flow. Long-term Financing. Dividend Policy. Leverage and business risk. Special Financing. Financial System.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
MTH281	Probability and Statistic	(3,0,0)	3	6	Core Course

Frequency distributions and their graphs, measures of central tendency, measures of dispersion and skewness, basic concepts and rules of probability, probability distributions: Binomial, poisson, normal, and Chi-Square distributions, sampling concepts, sampling distributions.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
MMO215	Shipping Management II	(3,0,0)	3	4	Core Course

The course emphasizes on the different types of ship management structures and the inter-relationship of the various departments within a ship management company. The Shipping company, Historical development of Ship management, The External Environment of Shipping Companies, The Process of the Shipping Company, The Organization of the Shipping Company, Contextual Factors of Organizational Structure, Departmentalization in Shipping Company, Human Resources Management in Shipping Companies, Technical Management / Crew management/, Operational Management/Commercial management, Safety Management: International Safety Management Code, Ship management Contract /:BIMCO Shipman98, Shipman2009, Outsourcing of Shipping Management

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
COM201	Maritime Communication	(2,2,0)	3	4	Core Course

The course emphasizes the classification, instruments, and procedures of maritime communications. Students will learn about different communication systems and technologies used in the maritime industry, including radio communications, satellite communications, electronic and digital messaging systems. They will also study the International Procedures and regulations governing maritime communications for merchant ships in both port and navigation settings, under normal and emergency conditions.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
LAW251	Marine and Customs	(2,2,0)	3	4	Core Course

In this module on the international law of the sea, students will be introduced to the comprehensive legal framework governing maritime activities. The module covers various aspects of international law related to the sea, including jurisdictional zones and principles recognized in international law. The module begins by exploring the principles and regulations governing the territorial sea, archipelagic waters, international straits, contiguous zone, continental shelf, exclusive economic zone (EEZ), high seas, and deep seabed. Students will examine the rights and responsibilities of coastal states and the legal implications of these different maritime zones. The module also delves into the resolution of competing claims to maritime areas and resources. Students will learn about the methods and mechanisms available for resolving disputes between states concerning maritime boundaries and resource exploitation.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
MMC203	Maritime Economics	(2,2,0)	3	6	Core Course

In this course, students will be introduced to the fundamentals of economics and its application to the shipping industry. They will explore the relationship between supply and demand in shipping, focusing on the specific case of fish transportation. The concept of economies of scale will be discussed, highlighting how larger vessels can achieve cost efficiencies. The course will also cover competitive shipping markets, such as tramps, charters, and tankers, as well as non-competitive markets like liner conferences. Students will learn about the role of seaways, canals, and ports in facilitating global trade and shipping. Voyage estimating, international trade, and shipping's impact on balance of payments and exchange rates will also be explored.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
MEN201	Maritime English I	(2,2,0)	3	4	Core Course

The topics covered in this course include various aspects related to ships, maritime safety, commercial marine business, technical management for mariners, port authority and maritime law, ship and cargo documents, ship registration, ship maintenance and repair, inspection surveys, communication protocols, emergency and safety messages, and medical emergency communications.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
MMC202	Ship Chartering and Brokering	(2,2,0)	3	5	Core Course

The course on chartering practice focuses on equipping students with the skills and knowledge necessary for successful chartering negotiations. Students learn about market analysis, freight rates, charter party agreements, risk assessment, and legal considerations. Emphasis is placed on developing negotiation skills and the ability to make informed decisions based on market conditions. The course also covers risk management strategies and prepares students to navigate the complexities of chartering practice effectively.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
KSİ201	Container Systems and Management	(3,0,0)	3	4	Core Course

Container transport container load, cargo handling equipment Container terminals and operations. Basic terms used for freight transportation, freight documents and their preparation. Combined cargoes (containerizing and palletizing). Transportation of cereals. Transportation of agricultural and forestry products. Transportation of coals. fertilizer transportation. Transport of ferrous ores, minerals and metals. Transport of Chemicals. Refrigerated cargo transportation. Transportation of live animals and animal products. Transport of vegetable oils and mineral oils.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
MMD202	Port Agency	(3,0,0)	3	6	Core Course

Ship Types, Ship certificates. Description of Port Agency, how to appoint an agent, types of agents. Agency and port authorities. The duties of the agent before the arrival of the ship and during the period during which the ship is in port. SOF and LT calculation. Charter parties. The duty of the agent regarding the expedition and time charter. Agency and shipping documents Incoterms, cargo handling terms. Liner agent, duties and employment contract. International Conventions UNCLOS, 1982 and IMO Conventions. International Conventions for the Carriage of Passengers by Sea. Registration and Ownership of Ships and Ship Certificates

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
MMO216	Shipping Management III	(3,0,0)	3	4	Core Course

Getting to know the Maritime Sector and its markets – Function of Shipping b. Maritime Sector Activities - Tramp Shipping - Liner Service - Port and Terminal Operations c. Organization of the Ship Company 2. The subject of Ship Accounting - Accounting and its main functions - Accounting System, Expeditionary Budget and forecasting. Trip accounting, Cost elements, Allocation of indirect travel costs, Allocation of management costs, • Shipping accounts/reports. Voyage forecasts, Port voyage supervision. - Profit from ship trade (Profit and Loss m/c) a. Revenues: Freight Revenue; Other income b. Cost Elements: Trip Costs; Operating costs. c. Trip Accounting;

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
NRC202	Ship Stability	(3,1,0)	3,5	4	Core Course

This course covers various aspects related to ship design, dimensions, stability, and strength. Students will learn about ship dimensions, such as length overall (LOA), beam, draft, and depth. Ship stability, forces and moments that affecting the ship's stability. They will understand how these dimensions and stability affect the performance and characteristics of a ship. The course also introduces ship tonnages, such as gross tonnage (GT) and net tonnage (NT), and explains their significance in terms of ship registration and regulatory requirements.

Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
-------------	-------------	---------	--------	------	----------------------

ENG210	Maritime English II	(2,2,0)	3	4	Core Course
<p>In this course, students will learn the IMO standard marine communication phrases used in ship-to-shore and shore-to-ship written communications. They will be trained in preparing reports, writing Notices of Readiness (NOR), and drafting sea protests. The course is designed to meet the requirements of the STCW/95 Convention Chapter II Section A-II/1, which focuses on developing the necessary Maritime English skills to support navigation at the operational level. By the end of the course, students will have a solid understanding of effective written communication in the maritime industry and be able to apply these skills in practical scenarios.</p>					
Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
EAS204	Marketing	(3,0,0)	3	4	Core Course
<p>Partnership of Company and Marketing Strategy to Build Customer Engagement, Value and Relationships. Marketing that Creates Customer Value and Engagement. Marketing Environment Analysis. Understand Consumer and Commercial Buyer Behavior. Value-Oriented Marketing Strategy for Target Customers. Products, Services and Brands That Create Customer Value. Developing New Products and Managing the Product Lifecycle. Understanding Pricing and Capturing Customer Value.</p>					
Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
TUR202	Turkish Language	(0,0,0)	0	1	Core Course
<p>Reading passages related to the chapter; grammar studies; vocabulary and translation activities; listening activities; debates on current issues related to the department (Repetition of tenses, Internet history, Health and medicine, passive frameworks, Social issues, Environmental issues, Repetition of modals, Law and punishment, repetition of adjective phrases, Language and Literature, Repetition of noun phrases.</p>					
Course Code	Course name	(T,A,L)	Credit	ECTS	Core/Elective Course
FGP299	Final Project	(0,4,0)	2	4	Core Course
<p>In this course, students will engage in theoretical and technological investigations to solve a well-defined problem in their field of study. They will conduct research, analyze data, and apply relevant theories and technologies to address the problem at hand. The focus is on practical problem-solving and finding innovative solutions. Once the problem has been successfully solved, students will be required to present their findings using visual tools. This may include creating graphs, charts, diagrams, or other visual representations to effectively communicate their results. The objective is to present the research outcomes in a clear and visually appealing manner that facilitates understanding and engages the audience. By combining theoretical knowledge, technological expertise, and effective visual presentation skills, students will not only demonstrate their understanding of the subject matter but also showcase their ability to apply their knowledge to real-world problems and communicate their findings effectively.</p>					