

ANNEX 2 – COURSE DESCRIPTION

Course Title	Maritime Sustainability Management II				
Course Code	ITSM517				
Course Type	Elective				
Level	MSc (Level 2)				
Year / Semester	1st Year / 2nd Semester				
Teacher's Name	Dr Sergey Popravko				
ECTS	6	Lectures / week	3	Laboratories/week	NONE
Course Purpose	The course aims to equip students with the knowledge and skills necessary to navigate the evolving demands of sustainability and regulatory compliance in the maritime sector. By integrating sustainability principles into their professional practices, students will be prepared to contribute to the industry's positive societal and environmental impact while meeting stringent regulatory standards.				
Learning Outcomes	<p>By completing this course, students should be able to:</p> <ul style="list-style-type: none"> • Understand and Implement Regulations: Comprehend and apply the EU Green Deal, CSRD, and ESRS, ensuring compliance with sustainability reporting standards and disclosure requirements. • Develop and Assess ESG Strategies: Develop effective ESG strategies, perform materiality assessments, and use KPIs to measure and improve sustainability performance. • Engage and Communicate with Stakeholders: Engage with stakeholders to understand their sustainability expectations, prepare detailed sustainability reports, and foster organizational development through cultural transformation. • Conduct risk assessments, implement due diligence processes, and develop resilience plans to mitigate ESG-related risks and ensure sustainable operations. 				
Prerequisites	ITSM516		Corequisites	None	
Course Content	<p>ESG Strategy and Financial Performance</p> <ul style="list-style-type: none"> • Link between Financial Performance and ESG Strategy • Examination of how a company's financial performance correlates with its ESG strategy. • Identification of ESG factors influencing decision-making and organizational outcomes. <p>Key Performance Indicators (KPIs)</p> <ul style="list-style-type: none"> • Importance of KPIs in measuring sustainability and aiding decision-making. • Exploration of KPI utilization by investment firms, insurance companies, and banks for assessing company performance. 				

Developing and Implementing ESG Strategies

- Purpose Statement Development
- Structured approach to developing purpose statements aligned with ESG principles.
- Integration of purpose into an organization's vision, mission, and values.

ESG Strategy and Action Plan

- Formulation of ESG strategies with specific goals and action plans derived from materiality analysis.
- Implementation and monitoring of ESG strategies to bolster organizational resilience and sustainability.

Stakeholder Engagement and Materiality Assessment

- Stakeholder Mapping and Engagement
- Techniques for stakeholder mapping to prioritize relevant stakeholders.
- Proactive and reactive approaches towards stakeholder engagement
- Implementation of effective stakeholder engagement strategies to address sustainability issues.
- Conducting materiality analysis to identify significant economic, environmental, and social effects.
- Understanding the concept of double materiality in the context of CSRD and ESRS.

Energy Management and Carbon Footprint

- Methods for measuring and managing an organization's carbon footprint, encompassing direct and indirect GHG emissions.
- Strategies for emission reduction and their impact on ESG strategy and operations.

Sustainability Reporting and Communication

- Preparation of corporate sustainability reports adhering to international standards such as ESRS, GRI and SASB.
- Effective communication of sustainability performance to stakeholders.
- Utilization of BI tools and dashboards for environmental data collection, analysis, and visualization.
- Leveraging these tools for strategic decision-making and environmental performance enhancement.

Sustainable Supply Chain Management

- Assess global supply chain to identify sustainability-related impacts, risks and opportunities.
- Development of sustainable supply chain management programs and tools aligned with corporate sustainability goals and resilience

Benefits and Impacts of ESG Practices

- Evaluation of ESG reporting benefits, including risk management, performance enhancement, access to capital, and regulatory compliance.
- Gaining competitive advantage by ESG and at the same time fostering Sustainable Development and benefiting communities.
- Identification of potential cost savings, revenue opportunities,

	<p>and reputational benefits from sustainable practices.</p> <ul style="list-style-type: none"> • Understanding how ESG practices can lead to cost savings, revenue opportunities, and enhanced reputation. <p>Impact on Business Performance</p> <ul style="list-style-type: none"> • Understanding how ESG practices can lead to cost savings, revenue opportunities, and enhanced reputation. • Exploration of how sustainability efforts drive organizational change and improve overall business performance.
Teaching Methodology	Lectures include PowerPoint presentations and discussions
Bibliography	<p>Jeremy L. Caradonna (2022). Sustainability: A History, Revised and Updated Edition.</p> <p>Harilaos N. Psaraftis (2019). Sustainable Shipping: A Cross-Disciplinary View.</p> <p>Christiaan De Beukelaer (2023). Trade winds: A voyage to a sustainable future for shipping.</p> <p>The Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping (2023). The ESG Playbook for Shipping.</p>
Assessment	<ul style="list-style-type: none"> • Research Assignment 40% • Final Exam 60%
Language	English