

<b>Course title</b>	<b>Port Operations and Management</b>				
<b>Course code</b>	<b>SOM1707</b>				
<b>Course type</b>	Special Background/Skills Development/Core course				
<b>Level</b>	Master (Level 7)				
<b>Year / Semester</b>	1/3				
<b>Teacher's name</b>	Nikolaos Liapis				
<b>ECTS</b>	10	<b>Lectures / week</b>	6 in total (distance learning)	<b>Laboratories / week</b>	-
<b>Course purpose and objectives</b>	<p><b>Course Description:</b> The "Port Operation and Logistics" course offers an in-depth exploration of the critical roles that ports play in global trade and logistics networks. This course covers essential aspects of port infrastructure, cargo handling, customs compliance, and the integration of maritime transport with other transport modes. Students will gain a comprehensive understanding of how ports function as pivotal hubs in supply chains, addressing topics such as port efficiency, risk management, sustainability, and the application of advanced technologies. Through case studies and practical examples, the course equips learners with the knowledge to assess port operations and contribute to optimizing logistics processes.</p> <p><b>Course Purpose:</b> The purpose of this course is to provide students with the theoretical and practical knowledge required to effectively manage and optimize port operations within the broader context of global logistics. By understanding the intricate systems that facilitate the smooth flow of goods through ports, students will develop the skills needed to navigate challenges in port security, sustainability, and regulatory compliance. This course aims to prepare graduates for roles in port management, logistics coordination, and strategic planning, fostering their ability to contribute to the development of efficient, secure, and sustainable port operations worldwide.</p>				
<b>Learning outcomes</b>	<p>After completing this module, the student should be able to:</p> <ul style="list-style-type: none"> <li>• Develop a clear understanding of the central position of ports in the global supply chain and the shipping business.</li> <li>• Understand the port operations, design, equipment and services for top global ports</li> </ul>				

	<ul style="list-style-type: none"> <li>• Understand the structure and nature of port services provided by the ports to the users</li> <li>• Distinguish fixed and variable costs; along with short-run and long-run costs of the port operator , define and discuss alternative measures of port productivity and understand economies of scale and economies of scope in case of multiple-throughputs ports</li> <li>• Define the effectiveness of operating objectives</li> <li>• Understand port ownership structure and port operating objectives in accordance their ownership as well as the importance of port logistics integration</li> </ul>		
<b>Prerequisites</b>	None	<b>Required</b>	-
<b>Course content</b>	<p>The content of the course is as follows:</p> <ul style="list-style-type: none"> <li>• Introduction to port operations and logistics</li> <li>• Ports in operation</li> <li>• Port users, operating options and costs</li> <li>• Operating options, production and cost</li> <li>• Operating objectives, prices and investment</li> <li>• Port ownership, performance, port logistics and safety</li> </ul>		
<b>Teaching methodology</b>	<p>The integration of <b>Microsoft Teams</b> and <b>Moodle</b> in our distance learning programs ensures a robust and interactive learning environment that meets the needs of modern learners. Microsoft Teams facilitates real-time communication through live sessions, screen sharing, and collaborative tools such as whiteboards and breakout rooms, enhancing student engagement and fostering dynamic discussions. Meanwhile, Moodle serves as a comprehensive Learning Management System, offering structured access to course materials, assessments, and discussion forums. This combination of synchronous and asynchronous tools supports effective teaching and learning, enabling flexibility, accessibility, and high-quality education delivery. Our approach aligns with global standards for online learning, emphasizing both technological innovation and pedagogical excellence.</p>		
<b>Bibliography</b>	<ul style="list-style-type: none"> <li>• Talley, W., (2017), Port Economics, 2nd edition, Routledge Taylor &amp; Francis Group, New York</li> <li>• Alderton, P., (2008). Port Management and Operations, 3<sup>rd</sup> edition, London, Informa</li> <li>• Burns, M.G., (2015) Port Management and Operations, 1<sup>st</sup> edition, Boca Raton: CRC Press, Taylor and Francis, Informa.</li> <li>• Song, D.W. and Panayides, Ph.M. (2015), <i>Maritime Logistics: A Guide to Contemporary Shipping and Port Management</i>, London: Kogan Page.</li> <li>• Grammenos, C. Th. (ed) (2010), The Handbook of Maritime Economics and Business, London: LLP Limited. Part Ten: Port Economics and Management</li> </ul>		

	<ul style="list-style-type: none"><li>• Talley, W.K. (ed) (2012) The Blackwell Companion to Maritime Economics, London: Blackwell Publishing. Part V: Port Economics</li></ul>
<b>Assessment</b>	<ul style="list-style-type: none"><li>• Weekly Self-Assessment and Interactive Activities (10%)</li><li>• Two Assignments (30%)</li><li>• Final Exam (60%)</li></ul>
<b>Language</b>	English

