

DEREE COLLEGE SYLLABUS FOR:		US CREDITS: 3/0/3											
MG 3159 PORT MANAGEMENT – LEVEL 5		UK CREDITS: 15											
(Updated Fall 2021)													
PREREQUISITES:	MG 2010 Introduction to Shipping												
CATALOG DESCRIPTION:	Port organization, functions, planning, operations, and management. Port competition and pricing. Modern port management practices with an emphasis on the position of ports in the logistics and supply chains. Port sustainability and environmental impacts.												
RATIONALE:	Students specializing in shipping should understand the significance and challenges related to ports. Ports constitute an integral part of the logistics chain, their role goes beyond the traditional cargo-handling functions and they are faced with the challenge of having to provide value added services. The course analyzes how ports are organized, managed and planned, and how ports interface with the logistics chain. The course provides necessary knowledge and understanding of the principles and evolution of container terminal management, port indicators, and port competitiveness within complex supply chains.												
LEARNING OUTCOMES:	As a result of taking this course, the student should be able to:  1. Define the role of ports, analyze their essential physical components (including their infrastructure, superstructure, and terminals), and explain the port interface with logistics and the supply chain. 2. Analyze port history, performance, reform, and sustainability, and describe the involvement of principal stakeholders in ethical port management, port safety, and port security. 3. Integrate port planning and development policies and analyze port charges and port competition-related issues.												
METHOD OF TEACHING AND LEARNING:	In congruence with the teaching and learning strategy of the college, the following tools are used:  ➤ Classes: Classes consist of lectures, discussions and case study analyses. Throughout the lectures students develop knowledge and understanding related to the subject content. Discussions reinforce students’ cognitive and key transferable skills, as well as communication skills. ➤ Office hours: Students are encouraged to make full use of the office hours of their instructor in order to consult and discuss issues related to the course’s content. Also, students may contact the instructor via e-mail for any questions relevant to the lectures. ➤ Use of Blackboard: The instructor will post lecture notes, additional teaching material and readings, as well as assignments instructions and announcements.												
ASSESSMENT:	<table><tr><td colspan="2"><b>Summative:</b></td></tr><tr><td>First Assessment: Term project (group, 4,000-4,500 words; presentation of group project; peer evaluation and reflection)</td><td><b>60%</b></td></tr><tr><td>Final Assessment: Final Examination (Essay-type questions)</td><td><b>40%</b></td></tr><tr><td colspan="2"><b>Formative:</b></td></tr><tr><td>In-class, 1-hour, “diagnostic test” - formative</td><td><b>0%</b></td></tr></table> The formative “diagnostic test” aims to prepare students for the examination.			<b>Summative:</b>		First Assessment: Term project (group, 4,000-4,500 words; presentation of group project; peer evaluation and reflection)	<b>60%</b>	Final Assessment: Final Examination (Essay-type questions)	<b>40%</b>	<b>Formative:</b>		In-class, 1-hour, “diagnostic test” - formative	<b>0%</b>
<b>Summative:</b>													
First Assessment: Term project (group, 4,000-4,500 words; presentation of group project; peer evaluation and reflection)	<b>60%</b>												
Final Assessment: Final Examination (Essay-type questions)	<b>40%</b>												
<b>Formative:</b>													
In-class, 1-hour, “diagnostic test” - formative	<b>0%</b>												

	<p>The First Assessment tests Learning Outcomes (1) and (2). The Final Assessment tests Learning Outcome (3).</p>
<b>INDICATIVE READING:</b>	<p><b>REQUIRED READING:</b> Marc J. Hershman. (2019). Urban Ports and Harbor Management: Responding to Change along U.S. Waterfronts. Routledge, ISBN 9781138048874 - CAT# Y330376, Series: Routledge Library Editions: Urban Studies.</p> <p><b>RECOMMENDED READING:</b></p> <p><b><u>BOOKS</u></b></p> <ul style="list-style-type: none"> <li>• Dong-Wook Song, Photis Panayides. (2015). Maritime Logistics: A Guide to Contemporary Shipping and Port Management. Kogan Page.</li> <li>• Hilde Meersman, Eddy Van de Voorde, &amp; Thierry Vanelslander. (2014). Port Infrastructure Finance. Informa Law from Routledge.</li> <li>• Kenneth Christopher. (2014). Port Security Management. Second Edition, CRC Press, Taylor &amp; Francis Group.</li> <li>• Peter Brodie. (2015). Illustrated Dictionary of Cargo Handling. Informa Law from Routledge.</li> </ul> <p><b><u>ARTICLES</u></b></p> <ul style="list-style-type: none"> <li>• Sifakis, N., Tsoutsos, T. Planning zero-emissions ports through the nearly zero energy port concept (2021) Journal of Cleaner Production, 286, art. no. 125448.</li> <li>• Puig, M., Raptis, S., Wooldridge, C., Darbra, R.M. Performance trends of environmental management in European ports (2020) Marine Pollution Bulletin, 160, art. no. 111686.</li> <li>• Hossain, T., Adams, M., Walker, T.R. (2019). Sustainability initiatives in Canadian ports. Marine Policy, 106, art. no. 103519.</li> <li>• Kong, F. (2019). Dynamic Regulation Method of Maritime Port Transportation Cost Based on Multiple Regression. Journal of Coastal Research, 97 (sp1), 205-210.</li> <li>• Kraus, R., Ninčević-Gladan, Auriemma, R., Bastianini, M., Bolognini, L., Cabrini, M., Cara, M., Čalić, M., Campanelli, A., Cvitković, I., Despalatović, M., Dragičević, B., Drakulović, D., Dulčić, J., Flander-Putrlje,</li> <li>• Mao, Y., Gan, S. (2019). Economic Evaluation Model of Freight Distribution Management in Maritime Port. Journal of Coastal Research, 93 (sp1), 1059-1065.</li> <li>• Nur, F., Marufuzzaman, M., Puryear, S.M. (2020). Optimizing inland waterway port management decisions considering water level fluctuations. Computers and Industrial Engineering, 140, art. no. 106210.</li> <li>• O'Keefe, J.M., Cummins, V., Devoy, R.J.N., Lyons, D., Gault, J. (2020). Stakeholder awareness of climate adaptation in the commercial seaport sector: A case study from Ireland. Marine Policy, 111, art. no. 102404.</li> <li>• Pallis, A.A., Arapi, K.P., Papachristou, A.A. (2019). Models of cruise ports governance. Maritime Policy and Management, 46 (5), 630-651.</li> <li>• Valente, S., Veloso-Gomes, F. (2020). Coastal climate adaptation in port-cities: adaptation deficits, barriers, and challenges ahead. Journal of Environmental Planning and Management, 63 (3), 389-414.</li> <li>• Wang, W., Huang, L., Gu, J., Jiang, L. (2019). Green port project scheduling with comprehensive efficiency consideration. Maritime Policy and Management, 46 (8), 967-981.</li> <li>• Yang, X., Ni, L., Tong, F., Zhang, H. (2019). Optimal Management and Allocation of Superior Resources in Port Industries. Journal of Coastal Research, 94 (sp1), 500-504.</li> <li>• Zahran, S. Z., Alam, J. B., Al-Zahrani, A. H., Smirlis, Y., Papadimitriou,</li> </ul>

	S., & Tsioumas, V. (2017). Analysis of port authority efficiency using data envelopment analysis. <i>Maritime Economics &amp; Logistics</i> , 19(3), 518-537.
<b>COMMUNICATION REQUIREMENTS:</b>	Use of appropriate academic conventions as applicable in oral and written communications
<b>SOFTWARE REQUIREMENTS:</b>	Microsoft Office: Word, Excel, PowerPoint
<b>WWW RESOURCES:</b>	<a href="http://www.iaphworldports.org">www.iaphworldports.org</a> (IAPH) <a href="http://espo.be">http://espo.be</a> (European Sea Port Organization) <a href="http://www.worldbank.org">www.worldbank.org</a> (see under Ports and Waterborne Transport) <a href="http://www.porteconomics.gr">www.porteconomics.gr</a> <a href="http://www.marinetraffic.com/en/ais/index/ports/all">www.marinetraffic.com/en/ais/index/ports/all</a> <a href="https://transportgeography.org/">https://transportgeography.org/</a>
<b>INDICATIVE CONTENT:</b>	<ol style="list-style-type: none"> <li>1. Historical perspectives of ports</li> <li>2. The port community and stakeholders</li> <li>3. Port reform and privatization</li> <li>4. The impact of intermodalism and containerization on ports</li> <li>5. Port authorities and port ownership</li> <li>6. The internal functions of a port</li> <li>7. Port competitiveness</li> <li>8. Ports and harbors: definitions, physical characteristics, and engineering components</li> <li>9. Port terminals</li> <li>10. Port safety and security</li> <li>11. Ports and the human element</li> <li>12. Port marketing</li> <li>13. Environmental impact, managerial ethics, and sustainability</li> <li>14. Strategic planning</li> </ol>