DEREE COLLEGE SYLLABUS FOR:		US CREDITS: 3/0/3
MG 2061 SHIP OPERATIONS AND T	ECHNICAL MANAGEMENT – LEVEL 4	UK CREDITS: 15
PREREQUISITES:	None	
CATALOG DESCRIPTION:	The ship as the production unit of a shipping firm. Principal ship types and corresponding cargoes, ship's equipment and machinery, ship and cargo operations, technical aspects of ship management.	
RATIONALE:	A variety of features and elements of ships and cargoes impact vessels' operations and technical maintenance. This course examines the principal characteristics of ships and introduces the basic day-to-day operations and technical aspects of ship management. It also provides an understanding on how these operations affect the decision making of the shipping company.	
LEARNING OUTCOMES:	As a result of taking this course, the student should be able to:	
	 Classify the different types of ships and cargoes and define their main characteristics. Outline the technical management aspects of the vessel and discuss how they influence its operation. Identify the critical factors associated with ship operations and discuss the challenges they pose to the management of maritime shipping companies in the context of recent sustainability trends. 	
METHOD OF TEACHING AND LEARNING:	In congruence with the teaching and learning strategy of the college, the following tools are used: lectures, slide presentations, the carrying out of a written project, in-class discussions and student teamwork presentations.	
ASSESSMENT:	Summative: First Assessment: Written Project (1.000-1.200 words) Final Assessment: Final Examination (Essaytype questions)	40% 60%
	Formative: Mock exam	0%
	Teamwork presentations	0%
	The formative "Mock Exam" aims to prepare s examination. "Teamwork Presentations" aim to hel taught material and effectively communicate key co The "Written Project" tests Learning Outcome 1. The "Final Examination" tests Learning Outcomes 2	p students assimilate urse concepts.
INDICATIVE READING:	REQUIRED READING: Draffin, N. (2014). SHIPPING: An Introduction to the Technical, Operational and Commercial Aspects (1st ed.). England: Petrospot Limited.	
	RECOMMENDED READING: Allianz Global Corporate & Specialty SE. (20) Challenges for the Shipping Sector. AGCS. Branch, A. & Robarts, M. (2014). Branch's Elements London and New York: Routledge. Brodie, P. (2014). Commercial Shipping Handbook (s of Shipping (9th ed.).

	Dickie, J. (2014). Reeds 21st Century Ship Management. London: Bloomsbury. DNV-GL. (2018). Maritime Forecast to 2050, Energy Transition Outlook 2018. Eyres, D. & Bruce, G. (2012). Ship Construction (7th ed.). Butterworth-Heinemann. House, D.J. (2014). Seamanship Techniques: Shipboard and Marine Operations (4th ed.). Routledge. Institute of Chartered Shipbrokers. (2017 ed.). Ship Operations and Management, Witherby & Co. Ltd. International Maritime Organization. (2020). SOLAS Consolidated Edition 2020, IMO. Stopford M. (2020), Coronavirus, Climate Change & Smart Shipping Three Maritime Scenarios 2020 – 2050, Seatrade Maritime, Informa Markets. Stopford, M. (2009). Maritime Economics. (3rd Ed.). London and New York: Routledge. Theotokas, I. (2018). Management of Shipping Companies. London and New York: Routledge. United Nations Conference on Trade and Development. (2020). Review of Maritime Transport 2020, UNCTAD. United Nations Conference on Trade and Development. (2018). 50 Years of Review of Maritime Transport 1968-2018: Reflecting the past, Exploring the Future, UNCTAD. Visvikis, I.D. & Panayides, P.M. (Eds.). (2017). Shipping Operations Management. Springer. Wijnolst, N. & Wergeland, T. (2009). Shipping Innovation. Amsterdam: IOS Press.
INDICATIVE MATERIAL: N/A (e.g. audiovisual, digital material, etc.)	REQUIRED MATERIAL: RECOMMENDED MATERIAL:
COMMUNICATION REQUIREMENTS:	Use of appropriate academic conventions as applicable in oral and written communications.
SOFTWARE REQUIREMENTS:	Microsoft PowerPoint: for in-class presentation of teamwork (formative). Microsoft Word: for written project.
WWW RESOURCES:	www.bimco.org www.cdi.org.uk www.iacs.org www.intercargo.org www.intertanko.com www.ics-shipping.org www.imca-int.com www.imo.org www.ipta.org.uk www.shipsupply.org www.ocimf.org www.rightship.com www.ship-technology.com www.sigtto.org www.ihsmaritime360.com www.hellenicshippingnews.com www.hellenicshippingnews.com www.maritimejournal.com www.seatrade-global.com www.nridigital.com/ship-technology-archive www.tradewindsnews.com
INDICATIVE CONTENT:	Ship types and cargoes The Ship

- Measurements - Design and evolution - Organization - Manning
- Communication and digital systems - Propulsion - Handling Equipment - Safety 3. Ship Operations - Port Operations - Mooring - Cargo Operations - Navigation - Voyage Planning - Bunkering 4. Ship Technical Management - Maintenance - Repair - Dry-docking - Shipbuilding - Efficiency / Performance / Sustainability - Surveys and Vetting 5. Maritime Companies - Types - Ship Management - Holding - Ship Owning - Brokerage (S&P — Chartering) - Agencies - Functions / Duties - Departments / Organization