

DEREE COLLEGE SYLLABUS FOR: MG 4580 CAPSTONE PROJECT IN SHIPPING MANAGEMENT

(Updated Fall 2021)

UK LEVEL: 6
UK CREDITS: 15
US CREDITS: 3/0/3**PREREQUISITES:**

BU 3233 Business Research Methods
MA 2021 Applied Statistics
MG 2010 Introduction to Shipping
MG 3058 International Shipping Policy
MG 3159 Port Management
Students must have at least 90 earned US credits before taking this course.

CATALOG DESCRIPTION:

Qualitative or quantitative research into a topic related to shipping management. Special and unique aspects of the shipping companies operating in the global shipping industry, organizational systems of the shipping firm, strategic decisions concerning the fleet, trade, cargo, labour and other aspects of ship's operation and management. Field research principally includes interviews with managers and/or maritime professionals in Greece.

RATIONALE:

This course enables seniors to deepen their knowledge on a topic in shipping management by conducting qualitative or quantitative research in the field (i.e. companies operating in Greece). It reinforces student academic qualities, such as academic writing, selection and evaluation of sources and appropriate referencing, and further develops the overall research attitude, for example recognizing relevant paradigms/theories on a knowledge area, forming an independent opinion about issues in the knowledge area and developing a critical and analytical perspective in terms of both theory and practice. This will be of practical importance to students as they enter the workplace and are faced with a multiplicity of decisions to make, as well as necessary academically for those students who continue for postgraduate studies. The interaction with maritime professionals will enable students to build a strong network of contacts, which could be leveraged to boost their employability.

LEARNING OUTCOMES:

On successful completion of this course, students should be able to:

1. Design a research strategy and select appropriate research methods to conduct research in the maritime sector.
2. Assess the validity of theoretical assumptions in the actual practice of shipping management and integrate research findings into the broader theoretical debate in a knowledge area.
3. Formulate scenarios and recommend actions to maritime professionals to enhance individual and/or organizational performance.

METHOD OF TEACHING AND LEARNING:

In congruence with the learning and teaching strategy of the College, the following tools are used:

- Classes consist of lectures, interactive group discussions and feedback sessions on submitted student work. Interactive group discussions and feedback sessions are emphasized.

	<ul style="list-style-type: none"> ➤ 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 content ➤ Use of the Blackboard learning platform: in order to enhance the teaching and learning process, instructors use the platform to post their announcements, upload related course material, lecture notes, assignment instructions and additional resources.
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ASSESSMENT:	<p>Summative:</p> <table border="1" data-bbox="534 394 1279 464"> <tr> <td data-bbox="534 394 1101 464">Major Written Project; Individual; 4,500-5,500 words</td> <td data-bbox="1101 394 1279 464" style="text-align: center;">100%</td> </tr> </table> <p>Formative:</p> <table border="1" data-bbox="534 520 1279 590"> <tr> <td data-bbox="534 520 1101 590">Course work: Interactive group discussions and feedback sessions on work submitted</td> <td data-bbox="1101 520 1279 590" style="text-align: center;">0%</td> </tr> </table> <p>The formative coursework aims to prepare students for the major written project.</p> <p>The major written project tests Learning Outcomes 1, 2, and 3.</p> <p>All human research related activities must be in full compliance with the current American College of Greece (ACG) Institutional Review Board (IRB) policies and procedures while maintaining compliance with professional codes of conduct and legal statutes. If the field research of the capstone project involves human subjects, students are required to submit a proposal to the ad hoc Ethics Committee of the School of Business and Economics. The proposal must comply with the guidelines provided by the IRB. The proposal must be approved by the module instructor before its submission to the ad hoc committee.</p> <p>Students are required to resit failed assessments in this module.</p>	Major Written Project; Individual; 4,500-5,500 words	100%	Course work: Interactive group discussions and feedback sessions on work submitted	0%
Major Written Project; Individual; 4,500-5,500 words	100%				
Course work: Interactive group discussions and feedback sessions on work submitted	0%				

INDICATIVE READING:	<p>RECOMMENDED READING:</p> <p>Students are required to delve into the maritime literature. The articles below are indicative of the topics, as well as type of readings that students are expected to discuss in their capstone project.</p> <p>Adland, R., & Prochazka, V. (2021). The value of timecharter optionality in the drybulk market. <i>Transportation Research Part E: Logistics and Transportation Review</i>, 145, 102185.</p> <p>Alexandridis, G., Kavussanos, M. G., Kim, C. Y., Tsouknidis, D. A., & Visvikis, I. D. (2018). A survey of shipping finance research: Setting the future research agenda. <i>Transportation Research Part E: Logistics and Transportation Review</i>, 115, 164-212.</p> <p>Andreou, P. C., Louca, C., & Panayides, P. M. (2014). Corporate governance, financial management decisions and firm performance: Evidence from the maritime industry. <i>Transportation Research Part E: Logistics and Transportation Review</i>, 63, 59-78.</p> <p>Centobelli, P., Cerchione, R., & Esposito, E. (2017). Environmental sustainability in the service industry of transportation and logistics service providers: Systematic literature review and research directions. <i>Transportation Research Part D: Transport and Environment</i>, 53, 454-470.</p> <p>Chang, Y. T., & Danao, D. (2017). Green shipping practices of shipping</p>
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firms. *Sustainability*, 9(5), 829.

Halff, A., Younes, L., & Boersma, T. (2019). The likely implications of the new IMO standards on the shipping industry. *Energy policy*, 126, 277-286.

Koliouisis, I. G., Papadimitriou, S., Riza, E., Stavroulakis, P. J., & Tsioumas, V. (2017). Strategy, policy, and the formulation of maritime cluster typologies. *Marine Policy*, 86, 31-38.

Koliouisis, I. G., Papadimitriou, S., Riza, E., Stavroulakis, P. J., & Tsioumas, V. (2019). Strategic correlations for maritime clusters. *Transportation Research Part A: Policy and Practice*, 120, 43-57.

Liu, C. L., Shang, K. C., Lirn, T. C., Lai, K. H., & Lun, Y. V. (2018). Supply chain resilience, firm performance, and management policies in the liner shipping industry. *Transportation Research Part A: Policy and Practice*, 110, 202-219.

Makkonen, T., & Repka, S. (2016). The innovation inducement impact of environmental regulations on maritime transport: a literature review. *International Journal of Innovation and Sustainable Development*, 10(1), 69-86.

Mansouri, S. A., Lee, H., & Aluko, O. (2015). Multi-objective decision support to enhance environmental sustainability in maritime shipping: a review and future directions. *Transportation Research Part E: Logistics and Transportation Review*, 78, 3-18.

Mardani, A., Zavadskas, E. K., Khalifah, Z., Jusoh, A., & Nor, K. M. (2016). Multiple criteria decision-making techniques in transportation systems: a systematic review of the state of the art literature. *Transport*, 31(3), 359-385.

Panayides, P. M. (2006). Maritime policy, management and research: role and potential. *Maritime Policy & Management*, 33(2), 95-105.

Pantuso, G., Fagerholt, K., & Hvattum, L. M. (2014). A survey on maritime fleet size and mix problems. *European Journal of Operational Research*, 235(2), 341-349.

Progoulaki, M. and Theotokas, I. (2010), Human Resource Management and competitive advantage: an application of Resource-Based View in the shipping industry, *Marine Policy*, 34(3) 575-582.

Shi, W., Xiao, Y., Chen, Z., McLaughlin, H., & Li, K. X. (2018). Evolution of green shipping research: themes and methods. *Maritime Policy & Management*, 45(7), 863-876.

Sislian, L., Jaegler, A., & Cariou, P. (2016). A literature review on port sustainability and ocean's carrier network problem. *Research in transportation business & management*, 19, 19-26.

Tsioumas, V., & Papadimitriou, S. (2014). Excess returns in the spot market for bulk carriers. *Maritime Economics & Logistics*, 17, 399-415

Tsioumas, V., Papadimitriou, S., Smirlis, Y., & Zahran, S. Z. (2017). A Novel Approach to Forecasting the Bulk Freight Market. *The Asian Journal of Shipping and Logistics*, 33(1), 33-41.

Tsioumas, V., & Papadimitriou, S. (2018). The dynamic relationship between freight markets and commodity prices revealed. *Maritime Economics & Logistics*, 20(2), 267-279.

Tsiulin, S., Reinau, K. H., Hilmola, O. P., Goryaev, N., & Karam, A. (2020). Blockchain-based applications in shipping and port management: a literature review towards defining key conceptual frameworks. *Review of International Business and Strategy*.

Yang, C. S. (2019). Maritime shipping digitalization: Blockchain-based technology applications, future improvements, and intention to

	<p>use. <i>Transportation Research Part E: Logistics and Transportation Review</i>, 131, 108-117.</p> <p>Yuen, K. F., Wang, X., Wong, Y. D., & Zhou, Q. (2017). Antecedents and outcomes of sustainable shipping practices: The integration of stakeholder and behavioural theories. <i>Transportation Research Part E: Logistics and Transportation Review</i>, 108, 18-35.</p> <p>Wahl, A. M., & Kongsvik, T. (2018). Crew resource management training in the maritime industry: a literature review. <i>WMU Journal of Maritime Affairs</i>, 17(3), 377-396.</p> <p>Wu, X., Zhang, L., & Luo, M. (2020). Current strategic planning for sustainability in international shipping. <i>Environment, Development and Sustainability</i>, 22(3), 1729-1747.</p>
INDICATIVE MATERIAL: (e.g. audiovisual, digital material, etc.)	<p>REQUIRED MATERIAL: N/A</p> <p>RECOMMENDED MATERIAL: N/A</p>
COMMUNICATION REQUIREMENTS:	Use of appropriate academic conventions as applicable in oral and written communications.
SOFTWARE REQUIREMENTS:	MS Office
WWW RESOURCES:	<p>www.imo.org www.ilo.org www.bimco.org www.marisec.org www.marisec.org www.intertanko.org www.ocimf.com www.intercargo.org http://www.sigtto.org www.ifsma.org www.iacs.org.uk www.igpandi.org www.icc-ccs.org www.ecsa.be www.nee.gr http://greek-shipping.org/component/content/frontpage www.eagle.org www.dnvgl.com www.clarksons.net/sin2010 www.parismou.org www.tokyo-mou.org www.equasis.org</p>
INDICATIVE CONTENT:	<ol style="list-style-type: none"> 1. Contemporary research topics in Shipping Management 2. Developing a research proposal 3. Conducting literature review - writing theory 4. Developing a conceptual research model- writing research questions 5. Qualitative / Quantitative research and design of field research 6. Design of interviews / questionnaires for field research 7. Interviewing skills and techniques 8. Analysing collected data in relation to hypotheses 9. Reporting research findings