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| Course Title | Logistics and supply chain management | | | | |
| Course Code | ITSM503 | | | | |
| Course Type | Elective | | | | |
| Level | Master's Level | | | | |
| Year / Semester | 1 / 2 | | | | |
| Teacher's Name | Dr. Robyn Pyne, Dr. Christoforos Charalambous | | | | |
| ECTS | 8 | Lectures / week | 3 | Laboratories / week | 0 |
| Course Purpose and Objectives | The course intends to promote understanding of the intricacies of cargo movement, from the point of view of the Trader, with an emphasis on all the different issues that the science of Logistics is concerned with. The economic consequences of the possible choices the Trader makes within logistics and the wider supply chain will be highlighted. Additionally, the relationship between logistics and the wider supply chain will be emphasized. | | | | |
| Learning Outcomes | <p>By the end of the course students will be able to:</p> <ul style="list-style-type: none"> • Offer critical discourse on the levels of inventory at any stage of the supply chain. • Appraise different modes of transportation as regards the specific needs of the cargo and trade in question. • Understand the significance of Forecasting, and evaluate some basic methods. • Explain the relationship between the Logistics Department in a company with that of Sales, Marketing Finance, Personnel and IT. • Formulate a Customer Service policy, implement it and measure its effectiveness. • Understand the need and reality of pursuing a Sustainable Logistics and Supply Chain Strategy • Critically appraise data, isolate issues pertaining to Logistics, and evaluate those. | | | | |
| Prerequisites | MAEN500 pass, only for those not holding a degree in marine related fields (no background in shipping). | Required | | | |
| Course Content | <ul style="list-style-type: none"> • Historical overview of the retail market. • Technical advancements and changes in the world of global finance, international transportation, and international trade laws, and how these changed the way we think about Logistics issues today. • Logistics and the wider supply chain • Inventory costs • The Economic Order Quantity and other inventory models. • Inbound, Manufacturing and Outbound logistics. • Procurement, Sourcing and Outsourcing • Lean logistics and supply chains • Agile and responsive supply chains. | | | | |

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| | <ul style="list-style-type: none"> • Warehousing and Distribution issues. • International Transportation. • Customer Service and KPI's. • Sustainable Logistics and Supply Chain strategy • Total Logistics Cost concept |
| Teaching Methodology | The course will be delivered through lectures, discussions, and case studies. |
| Bibliography | <p>Textbook:</p> <ul style="list-style-type: none"> • D. B. Grant, Logistics Management, Pearson, ISBN-10: 0273731351, 2012 <p>Other Readings:</p> <ul style="list-style-type: none"> • A. Rushton, P. Croucher, P. Baker, The Handbook of Logistics and Distribution Management, Kogan Page Ltd, 3rd Edition, 2006 • J. Mangan et al, Global Logistics and Supply Chain Management, Wiley, 2008 • P. Murphy & D.F. Wood, Contemporary Logistics, 9th Edition, Pearson, 2008 • D. Waters, Supply Chain Management, 2nd Edition, Ralgrave Macmillan, 2009 • D.J. Bowersox, D. J. Closs, M. Brixby Cooper, Supply Chain Logistics Management, 3rd Edition, Mc Graw Hill, 2010 • S. Emmett, Excellence in Warehouse Management, John Wiley & Sons Ltd, 2005 • A. Harrison and R. Van Hoek, Logistics Management and Strategy, Prentice Hall, 3rd Edition, 2008. • K. N. Gourdin, Global Logistics Management, Blackwell, 2nd Edition, 2006. <p>Journals:</p> <ul style="list-style-type: none"> • Journal of Business Logistics • International Journal of Logistics • International Journal of Physical Distribution and Logistics Management • International Journal of Logistics Management • Lloyds List • International Transport Journal • Maritime Policy and Management • Maritime Economics and Logistics |
| Assessment | <p>Final Exam: 60%</p> <p>Course Work/Assignment: 40%</p> |
| Language | English |