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Title: Data Systems for Maritime and Logistics
Status: Definitive
Code: **7159MAR** (122693)
Version Start Date: 01-08-2019

Owning School/Faculty: Maritime and Mechanical Engineering
Teaching School/Faculty: Maritime and Mechanical Engineering

Team	Leader
Ian Jenkinson	Y
Charles Roberts	

Academic Level: FHEQ7 **Credit Value:** 10 **Total Delivered Hours:** 18
Total Learning Hours: 100 **Private Study:** 82

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	12
Tutorial	6

Grading Basis: 50 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Written coursework	100	

Aims

To analyse advanced information technologies and systems used by organisations within the logistics and supply chain sector to manage information, business processes and decision making.

Learning Outcomes

After completing the module the student should be able to:

- 1 Appraise and evaluate how ERP, CRM, eBusiness and Business Intelligence Systems support supply chain management organisations.
- 2 Assess a range of issues associated with the adoption of new technologies and systems in managing information
- 3 Evaluate sources and types of information that are used by organisations, and the process which translate these into business intelligence
- 4 Apply principles to a range of contemporary case study examples

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Written coursework	1	2	3	4
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Outline Syllabus

Overview of ERP, CRM, eProcurement, Business Intelligence and eBusiness systems.

Functionalities and roles in organisational decision making.

Challenges faced by organisations in handling 'big data' – data centres, mobile technologies, RFID etc

Information requirements of managers and departments within an organisation
Information quality

Learning Activities

A programme of lectures supported by tutorials

Notes

This module examines a range of specific issues which a logistics manager may encounter in a complex supply chain environment, including those which relate to the connectivity between logistics processes and the manufacturing. Contemporary case studies are examined in order to provide a modern day context for the study.