**ASTON UNIVERSITY** **REG/03/53(2)**

**QUALITY AND STANDARDS COMMITTEE**

**Module Specification**

*Please complete all sections of the form, referring to the guidance notes where necessary.*

| | | | |
|---|---|---|---|
| School and Subject Group | Engineering And Applied Science<br>Engineering Systems And Management | | |
| Module Code | LT1301 | | |
| Module Title | Introduction to Logistics | | |
| Module Type | Standard | | |
| Module Replaces (where appropriate) | N/A | | |
| Date of introduction of new module | N/A | | |
| Level | 4 | Credit Value | 10 |
| Programme(s) in which module is available | BSc Logistics, BSc Transport Management | | |
| Involvement of Other Schools | None | | |

| | | |
|---|---|---|
| Resource Split | | N/A |
| Name of Module Co-ordinator | | Dr Aristides Matopoulos |
| Related Modules | Pre-requisites | None |
| | Co-requisites | None |
| | Prohibited Combinations | None |
| | Minimum and Maximum Intake Sizes | N/A |

Aims of the Module

The module will cover key aspects of logistics (and all important elements) from raw materials (from the suppliers) through to finished product delivered to the customers on a global scale.

Summary of Content

Key activities in logistics, evolution and importance
Supply chain management
Customer service and logistics
Order management
Procurement
Warehousing fundamentals, materials handling & inventory management
Transportation fundamentals, 3rd & 4th party logistics
Logistics strategies
Global logistics (features, risks/problems, challenges)
IT, IS & Logistics information requirements (MRP I& II, ERP, EDI, RFID IoT)

| Summary of Methods and Frequency of Teaching<br><br>10 weeks x 2 hours lectures<br><br>In addition, the lecture will involve Q&A sessions, group discussions, multi-media channels, and case studies/journals. | | |
|---|---|---|
| Summary of Methods of Assessment<br><br>100% Examination | | |
| Module Outcomes – what the student should gain from successful completion of the module:<br><br>Students will be able to:<br>1. Understand the importance of the logistics management function within organizations<br>2. Identify the impact of logistics on customer service performance.<br>3. Apply inventory management practices<br>4. Understand warehousing, transportation and procurement fundamentals<br>5. Determine the strategic implications of supply chain management<br>6. Examine the role and impact of IT on logistics activities | Learning and Teaching and Assessment Strategies to enable outcomes to be achieved and demonstrated | |
| | Learning and Teaching Methods | Assessment Methods |
| Knowledge and Understanding<br><br>Underpinning all six learning outcomes | Lectures, Q&A, group discussions, multi-media, case studies, journals | Examination |
| Intellectual Skills<br><br>Review and analysis skills for learning from course texts and working on case studies, relating to all five learning outcomes. | Lectures, Q&A, group discussions, additional reading, journals | Examination |
| Professional/Subject Specific Skills<br><br>The focus will be on developing analysis and planning skills to enable students to evaluate, develop and apply logistics methodologies, techniques and tools. | Lectures, exercises, group discussions, multi-media, journals | Examination |
| Transferable Skills<br><br>Analysis and planning skills for logistics related decisions | Group discussions, case studies | Examination |

| Please provide either or both of: | | |
|---|---|---|
| (i) Introductory Learning Resources | | N/A |
| (ii) Core Texts | | 1. D. Grant, D. Lambert, J. Stock & L. Ellram, "Fundamentals of Logistics Management (European Edition)" McGraw-Hill 2006. |
| Reading Lists | 1. Martin Christopher, "Logistics and Supply Chain Management", 4th Edition, Prentice Hall 2010.<br>2. Alan Harrison, Remko van Hoek, "Logistics management and strategy" 4th Edition, Prentice Hall, 2010**.** | |

| | |
|---|---|
| Specification completed by: | Dr Aristides Matopoulos |
| Date | 8th September 2011 |
| Date module approved by Teaching Committee(s) | |
| Date module approved by School Board(s) | |