

# MSc Operations & Logistics Management – E544

## 1. Aims and Objectives

The MSc Operations and Logistics Management programme is distinctly multi-disciplinary and aims at providing students with a framework for improving the performance of the organisations they work for. The Programme has been specifically designed to equip students with problem-solving, technical and managerial skills and knowledge related to Operations and Logistics Management and to prepare them for professional careers in the local or international industrial and services sector. Students graduating from this programme will have acquired the required competencies to better manage plant operations for the purpose of developing competitive advantages within a global network. The programme also equips students with the skills and knowledge required to manage logistics in an increasingly complex and global supply chain. The programme focuses on the development of creative thinking and proactive management for achieving high performance standards.

The aims of the programme are to enable students:

- To have a thorough understanding of the principles and theoretical frameworks related to Operations and Logistics in the manufacturing and services sector within a dynamic international business environment.
- To acquire knowledge, management skills and experience with a view to enhance the participants' ability to contribute to their own organisations' effectiveness.
- To conceptualise, design, analyse, synthesise, simulate and implement systems for both operations and logistics
- To formulate strategies in terms of operations and logistics, which will constitute the foundations for developing long-term competitiveness

## 2. General Entry Requirements

Successful completion of an undergraduate degree with

- at least a Second Class or 50%, whichever is applicable or
- a GPA not less than 2.5 out of 4 or equivalent, from a recognised higher education institution.

**OR** alternative qualifications acceptable to the University of Mauritius.

## 3. Programme Requirements

- (i) At least a Second Class Honours Degree in Science, Engineering, Agriculture/Agriculture related subjects, Management or an equivalent qualification acceptable to Senate.
- (ii) Preference will be given to candidates with relevant work experience.

## 4. General and Programme Requirements – Special Cases

The following may be deemed to have satisfied the General and Programme requirements for admission:

- (i) Applicants who do not satisfy any of the requirements as per Regulations 2 and 3 above but who submit satisfactory evidence of having passed examinations which are deemed by the Senate to be equivalent to any of those listed.
- (ii) Applicants who do not satisfy any of the requirements as per Regulations 2 and 3 above but who in the opinion of Senate submit satisfactory evidence of the capacity and attainments requisite to enable them to pursue the programme proposed.
- (iii) Applicants who hold a full practicing professional qualification obtained by examination.

## 5. Programme Duration

The Programme will be offered on a part-time basis. The duration of the Graduate Programme should normally not exceed 4 years (8 semesters).

	<b>Normal</b>	<b>Maximum</b>
Master's Degree:	4 Semesters	8 Semesters
Postgraduate Diploma:	4 Semesters	8 Semesters
Postgraduate Certificate:	2 Semesters	8 Semesters

6. **Credits per Semester:** Minimum 3 credits subject to Regulation 5.

## 7. Minimum Credits Required for the Award of

Master's Degree:	36
Postgraduate Diploma:	24
Postgraduate Certificate:	12

Breakdown as follows:

<b>Core Taught (Minimum)</b>	<b>Core Modules</b>	<b>Project</b>
Master's Degree	27 credits	9 credits
Postgraduate Diploma	24 credits	
Postgraduate Certificate	12 credits	

## 8. Assessment

Students are required to register for modules which they intend to follow in a given semester on date(s) specified by the Faculty.

Each module will carry 100 marks and will be assessed as follows (unless otherwise specified):  
Written examination of 2 hour duration and continuous assessment of 40% of total marks.

Continuous assessment may be based on laboratory work, seminars, and/or assignments and should include at least one class test.

An overall total of **40%** for combined assessment and written examination components would be required to pass the module, without minimum thresholds within the individual continuous assessment and written examination.

All modules carry equal weighting.

The Project carries 9 credits.

### **Submission Deadlines for Dissertation:**

*Three copies of the dissertation (two spiral-bound copies and one soft copy in a single PDF text file on an **electronic storage media**) should be submitted to the Faculty/Centre Registry not later than the **last week day** of May of the academic year (for programmes where there is only project/dissertation in the last semester) or **last week day** of August **by 4.00 p.m at latest**.*

## 9. Important Note

The rules as stipulated in this Programme Structure and Outline Syllabus will replace all other rules and regulations found in previous Programme Structures.

## 10. List of Modules

Code	Module Name	Hrs/Wk	Credits
		L+P	
MECH 5103	Business Strategy and Operations	3+0	3
MECH 5104	Global Operations and Logistics	3+0	3
MECH 6103	Industrial Systems Analysis	3+0	3
MECH 5203	Research Methods	3+0	3
MECH 5205	Supply Chain Management	3+0	3
MECH 5202	Costing and Finance	3+0	3
MECH 6113	Principles of Law for Logistics	3+0	3
MECH 6204	Occupational Health & Safety	3+3	3
MECH 6222	Terminal and warehousing operations	3+0	3
ENGG 6000	Project		9

## 11. Programme Plan - MSc Operations & Logistics Management

YEAR 1							
Semester 1				Semester 2			
Code	Module Name	Hrs/Wk L+P	Credits	Code	Module Name	Hrs/Wk L+P	Credits
MECH 5103	Business Strategy and Operations Management	3+0	3	MECH 5202	Costing and Finance	3+0	3
MECH 5104	Global Operations and Logistics	3+0	3	MECH5203	Research Methods	3+0	3
MECH 6103	Industrial Systems Analysis	3+0	3	MECH 5205	Supply Chain Management	3+0	3
Year 2							
Semester 1				Semester 2			
Code	Module Name	Hrs/Wk L+P	Credits	Code	Module Name	Hrs/Wk L+P	Credits
ENGG 6000	Project	-	-	ENGG 6000	Project	-	9
MECH6113	Principles of Law of Logistics	3+0	3	MECH6222	Terminal & Warehousing Operations		3
MECH 6204	Occupational Health & Safety	3+0	3				

### NOTE:

Each module will consist of 45 contact hours (this includes lectures, tutorials, seminars, workshops, external visits, etc.). The total contact (taught) hours of the Programme therefore will be 405 hours. The Project will involve 180 working hours including direct supervision by a member of academic staff and/or an external supervisor.

A minimum of 6 contact hours is scheduled per week (3 hours on a weekday and 3 hours on Saturday). However, candidates are expected to attend daily normally after 4.00 p.m., for intensive modules taught in a period of two weeks by visiting lecturers.

