

MSc Project Management (Part Time) - E501 (Under Review)

1. CONTEXT AND OBJECTIVES

Across the public and private sectors, more and more organisations now recognize the value of running aspects of their business in the form of projects, managed using project management concepts, tools and techniques. This has led to a growing demand for skilled project managers. Project management has been traditionally described in terms of the management of a project from inception to completion and the successful attainment of the project's objectives within specified constraints of time, cost and quality. However, the reality of modern project management is extremely complex, often involving multiple stakeholders with diverging objectives as projects are seldom carried out in isolation. The role of the project manager has thus evolved with the need to manage not only the demands of clients but also the key interfaces throughout a project. Therefore, the successful project manager must now possess the ability to integrate and lead an interdisciplinary team while demonstrating effective leadership and sensitivity to human and environmental issues. As the discipline of project management continues to evolve, this programme will focus on preparing graduates for a successful career as a project manager by drawing on current theories and practices as well as the latest developments in industry and on-going research.

The programme aims to provide you with the understanding, knowledge and skills necessary for performing the role of project manager in any field and any sector. It is suitable for people from a variety of employment areas like engineering, construction, IT, health and business who want to gain the understanding, knowledge and skills to work as a project manager. You'll learn the processes and techniques associated with project management including cost, time, quality, risk, communication, human resources, procurement and legal aspects of project management.

Successful Project Managers will have demonstrated the ability to:

- (a) Write project definitions, including its requirements, risks and specifications, identify possible problems, quality requirements and decision making criteria;
- (b) Generate ideas in order to solve problems, seeking expert advice including information sourcing;
- (c) Plan and control all project activities and resources; and
- (d) Communicate and work effectively with people to a good professional standard.

2. LEARNING OUTCOMES

Upon completion of the programme, graduates should be able to:

- (i) Recognise the characteristics of projects that make specialized management techniques necessary.
- (ii) Identify methods available for planning and appraisal of projects.
- (iii) Construct work breakdown structures and assess their applications in projects.

- (iv) Critically assess the various workload and cost estimation methodologies and show their practical application.
- (v) Organise tasks to meet priorities and deadlines within a project environment.
- (vi) Explain the critical path method and summarise its strengths and weaknesses as a project management tool, and critically assess its appropriateness and effectiveness for various applications.
- (vii) Recall and explain basic project finance theory and recognise specific issues arising with project budgeting.
- (viii) Assess the impact of risk on project management and apply the various methods that may be used to manage risks.
- (ix) Consider sustainability and environmental issues in project management.
- (x) Develop and apply analytical and modelling skills with spreadsheet tools to management problems.
- (xi) Review and evaluate methodologies used in a range of research projects and justify the selection of methodologies appropriate to the theoretical perspective or conceptual framework employed in the research.
- (xii) Select appropriate research strategies and tools to undertake an in-depth research project conducted in the field of project management in a workplace situation.
- (xiii) Apply skills of oral and written communication in the preparation of clear, fully evidenced and referenced reports and case studies in unbiased and objective form.

3. TEACHING AND LEARNING METHODS

Modules shall be taught over 10 weeks and shall include 3 hours of contact per week, involve 6 hours of self-study per week and 9 hours of other learning activities per week for each semester. The 30 hours of contact shall include class hours, tutorials and practicals. Most modules are assessed through continual assessment and an exam, although there are some exceptions where modules are assessed solely by course work. Individual module leaders will distribute information on the methods of assessment used, and their weighting, at the start of each module. In addition to the formally taught section of the programme, students undertake a project under the guidance of a supervisor. By completing a module credit points will be awarded. Every credit point represents the amount of workload which is accomplished in that period of time through lectures, tutorials, tests, assignments, mini-projects, exams, etc. 72 LCCS credits are attached to the workload of a student to complete the programme and the associated learning outcomes. This amounts to 2,160 hours for the programme, whereby one LCCS credit corresponds to 30 hours of learning.

4. ENTRY REQUIREMENTS

- **General 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.

- **Programme Requirements**

Preference will be given to candidates having at least two years of relevant work experience.

- **Special Cases**

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

- Applicants who do not satisfy any of the requirements as per Sections 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.
- Applicants who do not satisfy any of the requirements as per Sections 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.
- Applicants who hold a full practising professional qualification obtained by examination.

5. PROGRAMME DURATION

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

	Normal	Maximum
Master's Degree:	4 Semesters	8 Semesters
Postgraduate Diploma:	4 Semesters	8 Semesters

6. MINIMUM LCCS CREDITS REQUIRED FOR THE AWARD OF :

Master's Degree: 72

Postgraduate Diploma: 60

Breakdown as follows:

	Core Taught Modules (Minimum)	Research Project	Electives
Master's Degree:	54 LCCS Credits	12 LCCS Credits	6 LCCS Credits
Postgraduate Diploma:	54 LCCS Credits		6 LCCS Credits

Minimum No. of LCCS credits per year: 12

Maximum No. of LCCS credits per year: 48

7. ASSESSMENT AND DEADLINES

The assessment strategy for each module will be outlined within the module. Each of the assessments that you complete will assess a series of learning outcomes defined in the modules.

Each module will carry 100 marks and will be assessed as follows (unless otherwise specified):

- Assessment will be based on a written examination normally of 3-hour duration and on continuous assessment carrying 40% to 50% of total marks.
- Continuous assessment can be based on tests/ mini-projects /assignments

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 Dissertation carries 12 LCCS credits. Submission Deadlines for Dissertation:

First Draft: End of July of Final Year.

Final Copy: Last working day of August of Final Year.

8. LIST OF MODULES

Code	Module Name	L/T/P per week (contact hours)	Self-Study/wk	Other learning hours/wk	LCCS Credits
Core Modules					
ENGG 6101	Principles of Project Management	3	6	9	6
ENGG 6102	Project Economics and Finance	3	6	9	6
CIVE6103	Legal Aspects of Project Management	3	6	9	6
ENGG 6305	Procurement Management	3	6	9	6
CIVE 5104	Project Risk Management	3	6	9	6
CIVE 5105	Project Environmental Assessment and Management	3	6	9	6
MGT 5212	Human Resources and Quality Management	3	6	9	6
ENGG 6202	Research Methods	3	6	9	6
CIVE 6101	Project Management in Practice	-	-	-	6
ENGG 6000	Dissertation				12
Elective Modules					
CSE 6005	Management Information System	3	6	9	6
MGT 6005	Marketing Management	3	6	9	6
SIS 6079	Managing Software Projects	3	6	9	6
CIVE 6402	Integrated Infrastructure Planning and Development	3	6	9	6

9. PROGRAMME PLAN

YEAR 1

Code	Module Name	L/T/P (per week) (Contact Hours)	LCCS Credits
Core Modules			
ENGG 6101	Principles of Project Management	3	6
ENGG 6305	Procurement Management	3	6
ENGG 6102	Project Economics and Finance	3	6
CIVE 5104	Project Risk Management	3	6
MGT 5212	Human Resource and Quality	3	6
CIVE 5105	Project Environmental Assessment and Management	3	6
		Sub-total	36

YEAR 2

Code	Module Name	L/T/P (per week) (Contact Hours)	LCCS Credits
ENGG 6202	Research Methods	3	6
CIVE 6101	Project Management in Practice	-	6
ENGG 6000	Dissertation	-	12
CIVE 6103	Legal Aspects of Project Management	3	6
One Elective		3	6
Sub-total			36
Grand Total			72

Note:

Students are required to submit at the end of Year 1 the elective module they will take in Year 2. The University reserves the right not to offer a given elective module if the critical number of students is not attained and/or for reasons of resource constraints.

Candidates are expected to attend on a daily basis, for a period of two weeks, normally after 4 p.m., those modules which are taught by visiting lecturers.

The Faculty reserves the right to change the order in which the modules are offered.

****This Programme has been amended as follows:***

Year programme was launched: 2014

Years programme was previously revised: 2019