



UNIVERSITY
of
TECHNOLOGY,
MAURITIUS

School of Accounting ,Finance And Economics

MSc Procurement and Supply Management

PROGRAMME DOCUMENT

VERSION 1.0
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University of Technology, Mauritius

La Tour Koenig, Pointe aux Sables, Mauritius

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MSc. Procurement and Supply Management

A. Programme Information

The Master's programme in Procurement and Supply Management looks at the legislative, financial, organisational and managerial foundations of a modern procurement system. The procurement system is no longer a simple routine of clerical function. Today's procurement professionals have to deal with increasingly dynamic markets and rapidly evolving technologies, purchasing tools and techniques. In addition to traditional regulatory obligations, procurement practitioners have to demonstrate their adherence to international agreements in human rights, labour, the environment, and mitigation of corruption.

B. Programme Aims

The overall aim of this programme is to offer all students a supportive and challenging learning environment that will enable them to develop personal qualities and professional knowledge, expertise and skills deemed necessary for competencies in sustainable procurement. Students graduating from this programme shall be able to co-ordinate and adapt their procurement and supply chain activities, responding to the dynamic needs of the 21st Century business environment. Students shall be able to pioneer procurement and supply chain management and develop a strategic role in both private and / or public sector organisations.

C. Programme Objectives

At the end of the programme the students shall be fully conversant with and be able to apply knowledge related to: business operations and strategy in the procurement environment. Whilst providing a broad business background, it focuses on the management of the movement of materials, goods and labour, the supply chain, public procurement rules. The course will develop the participant knowledge of the business environment, especially in regard to the management of logistics systems and the planning and delivery of logistics

strategies and Supply Chain Strategies. It examines basic concepts in procurement regulation such as the objectives of regulatory provisions (such as value for money, integrity, accountability, social development and procedural efficiency) and their relationship with each other, and the key principles of transparency and competition through which such objectives are implemented. It then consider how these objectives and principles are typically implemented and balanced in regulatory rules by reference to a study of the main rules of the UNCITRAL Model Law on Procurement of Goods.

PART I - Regulations

D. General Entry Requirements

As per UTM'S Admissions Regulations, and 'Admission to Programmes of Study at Masters Degree Level'.

E. Programme Entry Requirements

Admission decisions will be made by the School of Accounting, Finance and Economics on a case to case basis. Candidates must either be:

Graduates of a recognised university or other institutions of higher education with at least a second class honours degree or holders of an approved professional qualification deemed equivalent to an honours degree in related field.

Or

Other honours graduates or holders of an equivalent qualification may be admitted if they produce evidence which satisfies the School Board of their competence to pursue the programme;

Or

Applicants who do not satisfy any of the above requirements but who submit satisfactory evidence of having passed examinations or have acquired managerial experience which are deemed by the Academic Council to be equivalent to any of those listed.

Overseas candidates whose first language is not English and who do not hold a degree or equivalent professional qualification taught in English will be required to produce satisfactory evidence of their competence in English.

F. Programme Mode and Duration

Full Time: 1 Year

Part Time: 1 ½ Years

Each academic year includes two semesters of 15 weeks each (excluding exam period) and students are expected to spend one hour weekly on self-learning and seek for tutorial assistance.

G. Teaching and Learning Strategies

The programme will consist of a wide variety of teaching methods, including lectures, individual or group projects, presentations, workshops, seminars and case studies. Self-learning will be the key feature of the programme, enabling students to explore, investigate and research in various issues related to Procurement and Supply Management.

H. Student Support and Guidance

In addition to traditional lectures, group tutorials or individual tutorials are arranged for students. Students will have to submit a dissertation at the end of the final semester of the Programme. The Dissertation should be around 15,000-18,000 words and should comply with the dissertation guidelines. The themes for the dissertation titles should be in the relevant field and will have to be approved by the post graduate dissertation committee. Viva-Voce is compulsory for all students submitting their dissertation.

I. Attendance Requirements

As per UTM's Regulations and Policy.

J. Credit System

Modules can carry 3 or 4 credits as per the programme structure. Irrespective of the number of credits allocated, each and every module will be assessed on 100 marks. Modules with 4 credits must **compulsorily** involve submission of at least 2 assignments.

Masters in Science – 45 Credits
 Postgraduate Graduate Diploma – 33 Credits
 Post Graduate Certificate – 18 Credits

1 module = 3, 4, or 8 credits
 Project / Dissertation = 9 credits
 All modules will carry 100 marks.

K. Student Progress and Assessment

- Assessment will generally be based on a written examination of three hours and a continuous assessment carrying between 30% and 50% of the total marks. However, some modules may be assessed through 100% coursework where specified.
- The continuous assessment may include class tests, assignments or class seminars.
- The overall pass mark for a module shall be 40%.
- Where a module is assessed by both, coursework and exams, a minimum of 40% should be attained in
 - Coursework, and
 - Examination

L. Evaluation of Performance

The percentage mark contributes a 100 percent weighting towards the degree classification.

Postgraduate		
Overall Marks	Grade	Remarks
70≤X≤100	A	Excellent
60≤X<70	B	Very Good
50≤X<60	C	Good
40≤X<50	D	Satisfactory
X<40	F	Referred

M. Award Classification

Overall weighted mark CPA (%)	Classification
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For MSc:

Master Degree with Distinction	:	$CPA \geq 70$
Master Degree with Merit	:	$60 \leq CPA < 70$
Master Degree	:	$40 \leq CPA < 60$
No Award	:	$CPA < 40$

Minimum credits Required for Award of:

Master's Degree: 45

Postgraduate Diploma: 33

Postgraduate Certificate: 18

N. Programme Organisation and Management

Programme Director and Coordinator: M.P ODIT

Contact Details:

- Room: D 0.07
- Telephone Number: 207 5250 (Ext.)
- **Email: aodit@umail.utm.ac.mu**

Part II - Programme Structure

O. MSc Procurement and Supply Management – Full Time

YEAR 1							
Semester 1				Semester 2			
Code	Modules	Hrs/Wk L/T/DS	Credits	Code	Modules	Hrs/Wk L/T/DS	Credits
PROC 5412	Advanced Procurement	2 +1+1	4	PROC 5414	Advanced Contract Management	2+1+1	4
ECON 5802	Economics of Procurement	2+1+1	4	PROC 5416	Strategic Supply Chain Management	2+1+1	4
ACCF 5320	Financial Management Decision for Procurers I	2+1	3	PROC 5417	Public Procurement law and Policy	2+1+1	4
QUAN 5409	Research* Methods for Procurement	2+1	3	PROC 5415	Sustainable procurement	2+1	3
PROC 5413	Strategic Procurement Management	2+1+1	4	ACCF 5321	Financial Management Decision for Procurers II	2+1	3
DISS 5000	<i>**Dissertation/ Applied Project</i>			DISS 5000	<i>**Dissertation/ Applied Project</i>		9

* Research Methods will be assessed 100% by coursework

** Dissertation starts in Semester 1 year 1. Credits to be earned at the end of Semester 2

The Programme will also comprise of seminars in related fields and also deal with cross cultural issues in HRM.

P. MSc Procurement and Supply Management – Part Time

YEAR 1							
Semester 1				Semester 2			
Code	Modules	Hrs/Wk L/T/DS	Credits	Code	Modules	Hrs/Wk L/T/DS	Credits
PROC 5412	Advanced Procurement	2 +1+1	4	PROC 5414	Advanced Contract Management	2+1+1	4
ACCF 5320	Financial Management Decision for Procurers I	2+1	3	PROC 5417	Public Procurement Law and Policy	2+1+1	4
PROC 5413	Strategic Procurement Management	2+1+1	4	PROC 5416	Strategic Supply Chain Management	2+1+1	4
QUAN 5409	Research Methods for Procurement	2+1	3	PROC 5415	Sustainable procurement	2+1	3
ECON 5802	Economics of Procurement	2+1+1	4	DIS 5000	<i>**Dissertation/Applied Project</i>		

* Research Methods will be assessed 100% by coursework

YEAR 2							
Semester 1							
Code	Modules	Hrs/Wk L/T/DS	Credits				
ACCF 5321	Financial Management Decision for Procurers II	2+1	3				
DISS 5000	<i>**Dissertation/Applied Project</i>		9				

** Dissertation starts in Semester 2 of Year 1. Credits earned at the end of Semester 1 of Year 2

TOTAL NUMBER OF CREDITS: 45 (inclusive of Dissertation)

Q. MODULE OUTLINE

PROC 5412: Advanced Procurement

PPP: Stakeholders in PPP Projects and their respective concerns and obligations; Legal framework and environment; Project life cycle and integrated approach; Relationship management; Administration of PPP contracts; Emerging trends; Dispute settlement ;Case studies

Framework Agreements: System of Framework Agreements (Single-provider framework, Multi-provider framework) ,Mini-tender competition, call-offs; Procedures (UNCITRAL, EU, UK, USA models);Control and safeguards (Duration of framework contracts, Amendments to framework contracts)

In-House Procurement: Quasi-in house procurement and its rationale; General conditions for applicability of in-house exceptions (The Teckal exceptions)

Development Aid Procurement: Tied Aid and its rationale; Aid Effectiveness; The Monterrey Consensus; Country Procurement Systems

ECON 5802: Economics of Procurement

Economics of Sub-contracting, Public-Private Partnership (PPP) and Outsourcing; Theory of Contract Profit; Procurement Policy and Contracting Efficiency: optimal contract under assymetric information and limited liability, the problem of moral hazard, optimal contract under moral hazard, and application of agency theory; Budgetary process for procurement; Competition vs. Collusion in procurement; Transparency in Procurement: Optimal Information Releasing in Multidimensional Public Procurement; Managing risk in

Procurement; Reinventing Procurement through PPP

ACCF 5320: Financial Management Decision for Procurers 1

Role of financial information in procurement: Identifying value for money solutions, Time Value of Money; Purchase versus lease: Types of Leases Mechanics of Leasing, Operating leases, finance lease in the context of capital budgeting; Capital Budgeting: Net Present Value, Payback, Internal Rate of Return and Accounting Rate of Return, Understanding the risk presented by debt, Cost of Capital: Weighted average, marginal, project, divisional and Floatation cost; capital rationing; Risk Analysis in Capital Budgeting: Sensitivity Analysis, Scenario Analysis, Simulation Analysis, Breakeven Analysis and project selection under risk; EOQ model: Order point, Pricing of Raw materials and valuation of stocks, Monitoring and Control of Inventories. Working Capital Management Cash and Liquidity Management, Operating Cycle and Cash Cycle.

QUAN 5409: Research Methods for Procurement

Research Concepts: Research issues, problems, questions, hypotheses; Measurement and Scaling in Research: Reliability, validity; Research Design and Survey Methods; Ethics in Research; Questionnaire Design; Qualitative Methods: interview, focus group, case study, content analysis, SWOT analysis ; Quantitative Methods: Introduction to Statistics, Data Description, Hypothesis Testing, t-tests and ANOVA, Factor Analysis, Chi-square and Regression Analysis; Data analysis with SPSS; Reporting and presenting research; Application in the field of procurement and supply chain management

PROC 5413: Strategic Procurement Management:

Evolution of the Procurement function: From back office to strategic, Contributions of procurement in achieving corporate objectives, Linkage between level of development of practitioners and contributions, Contemporary best procurement practices, Procurement within the supply chain management concept, Centralisation, Decentralisation and CLAN, Public Procurement v Private sector procurement, Global sourcing, Negotiating complex procurements, Strategic supplier management, Relationships in Procurement Management: The Relationship continuum, case studies, A critical analysis of various approaches to procurement, Developing procurement policies and strategies, The role and contribution of technology in procurement management, Project Procurement.

PROC 5414: Advanced Contract Management:

Contract Management and Administration: The Contracting Process ; Understanding Risks, Reward and Contract Targeting, Methods of Tendering, Types of Contract; Sub Contracts; Statement of Work, Solicitation of Sub-Contracts, Source Selection; Contract Administration; Relationship Management and Contractor Motivation Contract Performance Variations and Claims Legal Aspect of Contract Management, Responsibilities of Contract Manager, Terms and Conditions; Contract Pricing and Performance Base Contract; Termination of Contract; International Issues and Risk. Evaluation of Contract Case Studies; International law on trade, contract, etc.

PROC 5416: Strategic Supply Chain Management

Evolution of Strategic Supply Chain Management (SSCM), Contribution of SSCM in achieving organisation's corporate objectives, SSCM strategies with reference to real life examples, Supply chain analytics, Supply chain v Supply chain: the new competitive paradigm, Supply chain Segmentation, Globalisation, SSCM and Global sourcing, Supply chain risk management, Green supply chain, Strategic importance of Reverse supply Chain. Supply chain management for the public sector Clock speed benchmarking and Performance measurement in SSCM, New business models for improved supply chain performance, E-Business thinking in SSCM, Blending latest developments in information systems and communication technology with sophisticated decision support systems and creating a comprehensive strategy for manufacturing and logistics, Case studies

PROC 5417: Public Procurement Law and Policy

Public Procurement law is an area of interest for procurement practitioners both from the public and private sectors. There are major developments in most jurisdictions. The module covers current Procurement Law and Policy with an international perspective covering UNCITRAL Model law, Federal Acquisitions Regulations, EU Procurement Directives, WTO GPA, COMESA Regulations, World Bank Procurement Rules, PPP projects and PPA 2006, Ethical issues in Procurement and Supply: Bribery, collusion and conflict of interest, Responsibility and Accountability.

PROC 5415: Sustainable Procurement

Sustainable Development: History, Evolution and Future, Triple Bottom Line, MDGs, World Summits, Climate Change, Sustainable Procurement: Economic, Social and environmental considerations in Procurement, Building SP Strategy and Policy: MID Policy and Action Plan and SPP Policy in Mauritius, prioritisation methodologies, Sustainable Public Procurement: Introduction, Opportunities and Challenges, Preference in Procurement: South Africa, Malaysia, America and Mauritius and GPA WTO, Aggregation, demand management and stakeholder engagement (reduce, reuse), Incorporating sustainable criteria in Procurement Processes: Designing Sustainable procurement specifications (incorporating rethink, reuse, recycle), Supplier pre-qualification and sustainability selection criteria, Standards and Eco labels, Criteria for tender / proposal evaluation and contract award, Managing sustainability as a contract performance issue – developing meaningful KPIs, Reverse Logistics: Recycling, Disposal of Hazardous substances, Re-use and Remanufacturing, the Waste Electronic and Electrical Equipment Regulations, Types of E-Procurement, eAuctions; eTendering, Procurement Cards, Major Components of E-Procurement, Benefits and challenges, Legal Issues and Electronic Contracts, Successful case studies: EU, New Zealand, South Africa, Thailand and Japan etc

ACCF 5321: Financial Management Decision for Procurers 2

Assessing financial viability, Financial Language: Key terms, Financial concepts; Introduction to Financial Statement Analyses: Using financial ratios to determine financial viability, Comparative Analysis, and Application of Financial Analysis. Preparing request documents; Cost & Costing, Analysing cost behaviour, Cost allocation; Marginal costing and Absorption costing, Contribution analysis, Break even analysis, Activity Based Costing, Standard Costing, Relevant costing, Establishing valid procurement budgets, Negotiating maximum value with suppliers; How to do Supplier assessments, Proven Tools for monitoring and control, reporting and effective budgeting, Understanding the components of pricing and different Pricing Strategies. Life cycle costs / Total Cost of Ownership, Assessing & Reporting overall performance; Target costing; Balanced Scorecard.

CODE: DISS 5000 Dissertation/Applied Project

The topic for the 15,000 -18,000 words dissertation will have to be submitted to the Post Graduate Committee/Programme Director and is expected to be in the related field.