# Makerere University Business School Department of Procurement and Supply Chain Management

**Course Guide**

**Course Name: Procurement in Project Environments**

**Course Code: PSM3209**

**Course Level: Year Three (3)**

**Contact Hours: 4**

**Credit Hours: 60**

**Facilitators**

 **Names Tel Contact Email**

1. Mr. Vincent Ongero 0752471499 vongero@mubsa.c.ug
2. Mr. Fredrick Aliganyira 0701864857 faliganyira@mubs.ac.ug
3. Ms.Nazziwa Hajarah 0705392161 hnazziwa@mubs.ac.ug

**Course Description**

Project procurements are part and parcel of procurement management. Procurements in projects need to be effectively and efficiently managed to ensure that project objectives are achieved as expected. This course introduces students to the principles, techniques and requirements for effective management of procurements in project environments.

**Course objectives**

1. Introduce students to the basic concepts and principles of projects management
2. To expose students to the stages of the project management cycle
3. To expose the students to project management frameworks and methodologies.
4. To expose students to the project management in aspects of project scheduling, resource and quality management
5. Introduce students to challenges and problems that arise in managing procurement projects

**Learning Outcomes**

At the end of the course, students will be able to:

1. Discuss the basic concepts and principles of projects management
2. Design solutions to challenges and problems that arise in managing procurement projects
3. Describe the stages of the project management cycle
4. Demonstrate an understanding of project schedule, stakeholder, quality and resource management.
5. Demonstrate an understanding of the procurement practices in project environments

**Course Content**

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| **S/N** | **TOPIC** | **CONTENT** | **HOURS** | **Facilitator** |
| 1 | Introduction to Projects and Project Management  | 1. Definition and examples of a project;
2. Nature or characteristics of project Vs Standard business operation;
3. Institutional framework of a project — Project beneficiaries, owners, contracting firm or authority, implementing firm and funding agency (sponsor);
4. Different Types of Projects; Project constraints;
5. Project life cycle.
 | 4hrs | Mr.Ongero Vincent |
| 2 |  Project Organization | 1. Project structure; Functional. Projectized and Matrix Structures
2. Project Manager and Project Management Skills
3. Project management processes groups
4. Project management knowledge areas
5. Project Management Key documents
* *Project Charter*
* *Project management plan*
* *Work breakdown Structure*
 | 8Hrs | Mr. Ongero Vincent  |
| 3 | Project Stakeholder Management | 1. Project Stakeholder Management
2. Project Stakeholder Management Process
3. zAq
* *Stakeholder Mapping*
* *Stakeholder analysis*
* *Stakeholder engagement assessment matrix*
 | 4hrs | Mr. Ongero Vincent |
| 4 | Project Schedule Management | * 1. Project Dependencies
	2. Project Schedule Management Process
	3. Project Schedule Management tools techniques
* *Gantt Chart; (Advantages & Disadvantages)*
* *Project Schedule Network Diagram*
* *Critical Path Method (Advantages & Disadvantages)*
* *Project Evaluation and Review Technique; (Advantages & Disadvantages)*
 | 8hrs  | Mr. Fredrick Aliganyira |
| 5 | Project Resource Management  | 1. Project Resource Management
2. Project Resources
* *Physical Resources*
* *Personnel Resources*
1. Project Resource management Process
2. Project Resource Management Tools
* *Estimation Techniques*
* *Resource breakdown structure*
* *Assignment Matrix. RACI*
* *Negotiation*
 | 4hrs | Mr. Fredrick Aliganyira |
| 6 | Project Quality Management  | 1. Project Quality management Process
2. Project Quality management tools and techniques
* *Cause & Effect Diagram Fishbone diagram*
* *Quality audit*
* *Benchmarking*
* *Problem Solving*
 | 4hrs | Mr. Fredrick Aliganyira |
|  | Project Procurement Management | 1. Project procurement management process
2. Procurement Plan
3. Procurement Strategy
* *Delivery methods.*
* *Contract payment types.*
* *Procurement phases***.**
1. Tendering
* *Definitions, Principles of Tendering, The Tendering Process, Tendering Procedures/Methods,*
1. Project Procurement Management Tools and Techniques
* *Inspection*
* *Audits*
* *Expert judgement*
 | 8hrs | Ms. Nazziwa Hajarah |
| 8 | Project Appraisal and Assessment | 1. Project appraisal project appraisal techniques
2. Project Assessment technique *Earned Value Management (EVM)*
* *Performance Parameters*
* *Variance*
* *and Indices*
* *Benefits of EVM*
1. Pre-contract considerations with regard to the use of consultants
2. The use of project partnering and best value
 | 8 Hrs | Ms. Nazziwa Hajarah |
| 9 | Project Management Methodology  | 1. Agile Methodology;
* *Agile Manifesto*
* *Agile Principles;*
* *Phases of Agile Project Management*
* *Advantages & Disadvantages*
1. Waterfall Methodology
* *Advantages& Disadvantages*
 | 6hrs | Ms. Nazziwa Hajarah |
| 10 | Procuring in the project environment | 1. Characteristics of procurement projects
2. Challenges of project procurements
3. Project procurement in the public sector
4. International project procurement directives – e.g ADB, World Bank, EU, USAID, etc.
5. Consortium purchasing in the project environment
 |  6Hrs | Ms. Nazziwa Hajarah |

**Mode of Delivery**

Lectures

Group and class discussions

Tutorials

Guest Lecturer

**Mode of Assessment**

Course work 30%

End of semester examination 70%

Total 100%

**Reference Text Book**

1. Programme & Project Management (2014), Chartered Institute of Procurement and Supply

**Reading List**

1. Project Management Institute, (2017), A *Guide to the Project Management Body of Knowledge* (6th Edition)
2. Rowe, S. F. (2020). *Project management for small projects*. Berrett-Koehler Publishers.
3. Project and Change Management (2018), Chartered Institute of Procurement and Supply
4. James P. Lewis (2006), Fundamentals of Project Management (3rd Edition)
5. J. Rodney Turner (2003), Contracting for Project Management, Gower Publishing Company (August 2003), Gower Publishing Company