

SBM3307: Project Development & Optimisation

Unit Description

This unit of study focuses on project formulation and analysis. The objective is to provide management with the predictable results of implementing a specific project and to provide generalised project requirements. It aims at developing students' ability to formulate projects through carrying out a feasibility study and developing a project definition plan for a project. The feasibility study phase considers the technical and economic aspects of the conceptual alternatives and provides a firmer basis on which to decide whether to undertake the project.

Unit Learning Outcomes (ULOs)

On successful completion of this unit, students will be able to:

- ULO-1: Identify key aspects of scope, schedule and cost management as per best project management practices
- ULO-2: Effectively write and present project planning and controlling reports
- ULO-3: Analyse a project case and develop a constraint management plan
- ULO-4: Productively work in diverse teams to deliver agreed outcomes
- ULO-5: Demonstrate an understanding of due diligence processes and the information needs of stakeholders and project sponsors and supporters

Summary

Credit Points	6
Courses	BBIS, BBUS
Total Credit Points	BBUS: 144 credit points; BBIS: 144 credit points
Pre-Requisites	N/A
Co-Requisites	N/A
Other Requirements	N/A
Unit Level	Core (BBIS) and Elective (BBUS)
Duration	14 weeks (12 teaching weeks; 1 study week; 1 final assessment week)
Mode of Delivery	On-campus
Assessment	Quiz: 10%; Unit project Part A: 20%; Unit project Part B: 30%; Unit project Part C: 40%
Prescribed Textbook	Sullivan W. G., Wicks E. M., Koelling C. P., (2015). Engineering Economy, 16th edn. USA: Pearson Higher Education.
Expected student workload	Students should expect to spend approximately 8.5 hours per week over 14 weeks on learning activities for this unit. This includes time spent attending scheduled classes, undertaking private study, preparing assessments, and completing examinations.