

# FEM499 Capstone Project

**Level:** 4

**Credit Units:** 10 Credit Units

**Language:** ENGLISH

**Presentation Pattern:** EVERY SEMESTER

## Synopsis:

This dissertation course which is on the Honours programmes requires students to apply their knowledge to carry out an independent research project on a topic of their choice. Students have to decide on a topic, frame a research question, review the relevant literature, and prepare a research proposal. In addition, students are required to collect data, conduct appropriate analysis and write up a research report. To allow students to have more time for data collection and analysis, this dissertation course spans over two academic semesters.

## Topics:

- Objectives of Project
- Capstone Requirements
- Communication Competence
- Critical Thinking
- Adaptive Competence
- Leadership Capacity
- Scholarly Concern for Improvement
- Motivation of Continued Learning
- Summative Evaluation

## Learning Outcome:

- Discuss the scope of your capstone project problem to be investigated
- Analyze the motivation / benefits / rewards of your project problem
- Review the literature to gather information about the project and the available solutions
- Examine the constraints / drawbacks in the available solutions
- Define the assumptions / conditions relevant to your project
- Formulate your project problem/ model / system
- Design / implement / simulate the system
- Test the system / model / software
- Compare your results with the solutions available in the literature
- Draft a detailed report on your project work
- Summarize the project work as a poster, defining the project problem, the solution(s), benefits of the solution(s) and any improvements that can be done
- Give an oral presentation

## Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	PROJECT PROPOSAL 1	10

Overall Continuous Assessment	INTERIM REPORT 1	10
Overall Examinable Components	Q&A	20
	Oral Exam	20
	Project	40
<b>Total</b>		<b>100</b>