

ENGM 512 Project Management

Course Description

The course focuses on ways of developing an understanding of the critical issues and applications of project management. Students will look at the tools, techniques and body of knowledge involved in each stage of the project management life cycle, including project initiation, planning, executing, monitoring and controlling, and closing. They will consider how project management is applicable to all types of organizations and essential to corporate strategy.

Course Learning Outcomes

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

1. Demonstrate critical understanding of management literature on methods of project development
2. Develop the appropriate organizational structure, project approach and resource requirements for a specific project.
3. Use qualitative and quantitative methods to analyse project management methodologies and tools.
4. Using project management software and methodologies, critically evaluate data to create proposals to inform the management and scheduling of projects, or solutions to problems
5. Operate at a professional level of interpersonal skills and cultural awareness to lead projects and collaborate effectively with others

Learning Resources

Larson, E., & Gray, C. (2021). Project management: The managerial process (8th ed.). McGraw Hill Education

Course Content

1. Defining the project, project environments, project lifecycles and project selection and project initiation
2. The role of the project manager
3. Managing project scope
4. Managing project schedule
5. Managing project cost
6. Managing project quality
7. Managing Project Risk
8. Managing project communications and stakeholders
9. Managing project resources
10. Managing project procurement