

# SST101e Principles of Project Management

**Level:** 1

**Credit Units:** 5 Credit Units

**Language:** ENGLISH

**Presentation Pattern:** EVERY SEMESTER

**E-Learning:** FULL - Learning is done ENTIRELY online using interactive study materials in Canvas. Students receive guidance and support from online instructors via discussion forums and emails. There are no face-to-face sessions. If the course has an exam component, this will be administered on-campus.

## **Synopsis:**

SST101 Principles of Project Management will provide both theoretical and practical insights on the management of projects. Students will be taught the characteristics of different industries, and how project management skills apply in them. These give undergraduates a solid foundation in the appreciation and application of project management. It prepares them for an in-depth understanding of project management in science and technology.

## **Topics:**

- Organization Strategy and Project Selection
- Organization: Structure and Culture
- Defining the Project
- Estimating Project Times and Costs
- Developing a Project Plan
- Managing Risk
- Scheduling Resources and Costs
- Reducing Project Duration
- Managing Project Teams
- Progress and Performance Measurement and Evaluation
- Project Closure
- International Projects

## **Textbooks:**

Erik W. Larson and Clifford F. Gray: Project Management - The Managerial Process (8th Edition, 2021) McGraw Hill Education  
ISBN-13: 9781260579567

**Learning Outcome:**

- Define project scope, objectives and deliverables
- Describe the essential project management knowledge, insights and tools
- Demonstrate understanding of the characteristics of different industries and how project management (PM) skills are applied in these industries
- Select capacity planning tools to optimize resources for a project in different scenarios
- Respond to different project team and project activity needs
- Apply PM techniques to plan and schedule activities in different contexts, including prioritisation with constraint resources

**Assessment Strategies (Evening Class):**

| <b>Components</b>             | <b>Description</b>       | <b>Weightage Allocation (%)</b> |
|-------------------------------|--------------------------|---------------------------------|
| Overall Continuous Assessment | PRE-CLASS QUIZ 1         | 1                               |
|                               | PRE-CLASS QUIZ 2         | 1                               |
|                               | PRE-CLASS QUIZ 3         | 1                               |
|                               | PRE-CLASS QUIZ 4         | 1                               |
|                               | PRE-CLASS QUIZ 5         | 1                               |
|                               | DISCUSSION BOARD 1       | 10                              |
|                               | GROUP BASED ASSIGNMENT 1 | 15                              |
| Overall Examinable Components | Written Exam             | 70                              |
| <b>Total</b>                  |                          | <b>100</b>                      |

**Assessment Strategies (Online Class):**

| <b>Components</b>             | <b>Description</b>       | <b>Weightage Allocation (%)</b> |
|-------------------------------|--------------------------|---------------------------------|
| Overall Continuous Assessment | PRE-CLASS QUIZ 1         | 1                               |
|                               | PRE-CLASS QUIZ 2         | 1                               |
|                               | PRE-CLASS QUIZ 3         | 1                               |
|                               | PRE-CLASS QUIZ 4         | 1                               |
|                               | PRE-CLASS QUIZ 5         | 1                               |
|                               | DISCUSSION BOARD 1       | 10                              |
|                               | GROUP BASED ASSIGNMENT 1 | 15                              |
| Overall Examinable Components | Written Exam             | 70                              |
| <b>Total</b>                  |                          | <b>100</b>                      |

