

IME 671 – Software Project Management

1. Objectives:

This course will cover the techniques for managing software projects.

2. Prerequisites:

Instructor expectations in terms of prior knowledge and skills

3. Course Contents:

Course topics will be as follows: Software Process; Software Configuration Management, CMM Levels, Software Project planning and Costing; Requirements Engineering; Software Project Design; Testing; Software Metrics; Quality, Software Project Management; Human Factor.

4. Special Emphasis:

The course is intended to give the students both knowledge about, and practical experience in, the design and development of production quality software. The techniques taught in the class will be applied to a substantial team project.

5. Lecture Schedule & Venue:

Instructor: Subhas Chandra Misra

Email: subhasm@iitk.ac.in

Contact: 0512-6797430

Time: Mon, Tues, **12:00 noon – 1:30 p.m. (C3)**

6. Office Hours: or, recommended mode of contact beyond formal contact hours:

Contact through email.

Office Hours: Thursday **12:00 – 13:15**

7. Evaluation Components & Policies:

Exam:

Mid Sem (10%)

Final Exam (40%)

Assignments: (10%)

Assignments will be given regularly

Attendance: (10%)

Term Paper: (30%)

A case study will be given to students to implement what is being taught in the course. This will be a group activity.

8. Course Policies: Attendance, Honesty Practices, Withdrawal (within the limits of DOAA Guidelines)

Attendance:

Attendance is of utmost importance. Students have to maintain 100% attendance. Students who have taken leave must inform the instructor regarding the same.

9. Books & References:

1. Software project management (6e) –Bob Hughes, Mike Cotterell, Rajib Mall, The McGraw-Hill Companies, 2017.
2. Project management for Engineering, Business and Technology, John Nicholas and Herman Steyn, Routledge.
3. Project Management for Engineers, J. Michael Bennett, Danny S.K. Ho, World Scientific.
4. Project Management-The Managerial Process, Clifford F. Grey, Eric W. Larson, Gautam V. Desai, The McGraw-Hill Companies.