Software Project Management (IT- 492)
Course Outline (Fall 2010)

Instructor: Qaiser Abbas  email: qaiser.abbas@uos.edu.pk
Office Hours: Friday: 3:00pm – 4:00pm, or by appointment
Department of Computer Science, University of Sargodha,
Sargodha, 40100, Pakistan

Objective of the Course

The objective of this course is to familiarize students with fundamental project management concepts and provide guidelines for successful project management. The course will cover various areas and basic methods related to managing software projects, including project planning and estimation, execution and monitoring, risk analysis and management, etc.

Text Books and Reference Material

Text Books:
Software Project Management (3rd Edition)  Bob Hughes, Mike Cotterell
The Deadline – A Novel About Project Management  Tom DeMarco
A Guide to the Project Management Body of Knowledge (3rd Edition) by the Project Management Institute (PMI)

Reference Books:
Effective Project Management  Robert Wysocki, Robert Beck, David Crane
Software Project Management – A Unified Framework  Walker Royce

Additional reference material may be provided in the duration of the course.

Note: Material of the course is mostly adapted from the sources of my teacher Mr. Waqas Zyad at FAST Campus, Lahore.

Course Topics

1. Introduction to Software Project Management
2. Project Planning
3. Project Evaluation and Approach
4. Size and Effort Estimation
5. Risk Analysis and Management
6. Resource Allocation
7. Project Monitoring and Control
8. Project Management Body of Knowledge
9. Other Issues (will discuss if time allows)

Term Paper

For the term paper, students should follow IEEE or ACM transaction formats. For example, your paper should have abstract, introduction, actual work, conclusion, future work, and references. The details can be seen from either of the above-mentioned journals.

NOTE:
1. For the term paper students are required to work in a group of two.
2. Proposal for Paper should include topic, idea (one paragraph), objective (why you want to study the area – one paragraph) and references. Papers without references, or material used without quoting references may be treated as plagiarism with serious consequences.
Lectures and Attendance Policy
Most sessions will be a combination of lecture and discussion.
Students are expected to attend no less than 95% of the classes, be ready to begin the class on time and not leave before the designated time. Students are also expected to come prepared by going through the material to be discussed in each class beforehand and participate in class discussions.

Evaluation

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<tbody>
<tr>
<td>Quiz(s) /Assignments</td>
<td>15</td>
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<tr>
<td>Mid Semester Evaluation</td>
<td>30</td>
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<tr>
<td>Final Semester Evaluation including term paper</td>
<td>35+15</td>
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<td>Class Participation</td>
<td>05</td>
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<td><strong>Total:</strong></td>
<td><strong>100 points</strong></td>
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<td><strong>Grading:</strong></td>
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Note:
As mentioned above, 5% credit is for productive class participation, which includes sharing SPM related ideas and examples from personal experience or other sources as well as data (available on the Web, in books, journals, magazines, or otherwise).

All deliverables are expected 100% on time. If the deliverable is not submitted on due date, there will be a penalty of 20%. It will not be accepted once the deliverable has been returned / discussed in class. Please discuss any issues in a timely manner – no consideration will be given at the end of the course.