



Shanghai Jiao Tong University

AU335 Systems Project and Quality Management

<b>Term:</b>	December 16, 2019- January 7, 2020	<b>Credits:</b>	4 units
<b>Classroom:</b>	TBD	<b>Teaching Assistant(s):</b>	TBD
<b>Class Hours:</b>	Monday through Friday, 160 mins per teaching day		
<b>Discussion Sessions:</b>	2 hours each week, conducted by teaching assistant(s)		
<b>Total Contact Hours:</b>	64 contact hours (1 contact hour = 45 mins, 2880 mins in total)		
<b>Required Texts (with ISBN):</b>	<p>Prescribed Text:</p> <p>Marchewka, J, 2016 ,Information Technology Project Management : Providing Measurable Organizational Value, 5th ed. Wiley. ISBN-10: 9781118911013</p> <p>Recommended Books:</p> <p>Kerzner, H, 2017, Project Management, 12th ed, John Wiley &amp; Sons. ISBN-10: 9781119165354</p> <p>Heerkens, G. 2013, Project Management, 2nd ed, Briefcase Books. ISBN-10: 0071818480</p> <p>Schwalbe, K. 2016, Information Technology Project Management 8th ed. Thomson Course Technology, Boston, MA. ISBN-10: 9781337101356</p> <p>Baca, C. 2007, Project Management for Mere Mortals, Addison-Wesley. ISBN-10: 0321423453</p>		



	Yourdon, E, 2004, Death March, 2nd ed. Prentice Hall Professional Reference ISBN-10: 9780131436350
<b>Prerequisite:</b>	Systems Analysis and Modelling

### Course Overview

This unit examines the methods and issues in the management of projects. Topics include standard methodologies and techniques of project scoping, work breakdown analysis and monitoring, task estimating and scheduling; resource, risk and cost management and project closure and review. Interpersonal and group facilitation skills are a crucial part of the study. Ethics and professional practice are examined with the social impacts of IT. It is also based on standards for project management and quality assurance.

### Course Goals

On successful completion of this unit, students will be able to:

1. Recommend project goals and potential solutions by analysing requirements;
2. Prepare, adapt and assess the quality of the various documents associated with project planning, cost, risk, monitoring, review and quality assurance;
3. Organise and communicate with various project related concepts to stakeholders;
4. Analyse group work and the social and ethical issues associated with project development.

### Course Expectations

- Students are expected to attend all classes and be responsible for all materials covered in class. Unexcused absence not only hurts your attendance score but also may have a negative impact on your exam performance.
- Students are expected to complete and submit homework independently. Students can work together to discuss homework, but submission must be done on an individual basis.



## Grading Policy

Quiz 1 & 2	10%
Project Proposal Report	15%
Final Project Presentation & Documentation	30%
Progress Report	5%
Final Exam	40%

Grading Scale is as follows:

Number grade	Letter grade	GPA
90-100	A	4
85-89	A-	3.7
80-84	B+	3.3
75-79	B	3
70-74	B-	2.7
67-69	C+	2.3
65-66	C	2
62-64	C-	1.7
60-61	D	1
≤59	F (Failure)	0



### Class Schedule

Day	Lecture	Chapter
Day 1	Introduction to Project Management & the Accidental Project Manager Introduction to PMBOK, PRINCE 2 & Agile	Prescribed Text: Chapter 1
Day 2	Project Management Life Cycle Introduction to Project Proposal	Prescribed Text: Chapter 2
Day 3	Project Scope Management	Prescribed Text: Chapter 5
Day 4	Project Time Management	Prescribed Text: Chapter 6
Day 5	Project Cost Management	Prescribed Text: Chapter 6
Day 6	Project Risk Management	Prescribed Text: Chapter 7
Day 7	HR, Project Quality Management Governance	Prescribed Text: Chapter 9
Day 8	Project Quality Management	Prescribed Text: Chapter 9
Day 9	Communication & Procurement Management	Prescribed Text: Chapter 8
Day 10	Project Change Management	Prescribed Text: Chapter 3&4
Day 11	Ethics in Project Management	Recommended books
Day 12	Project Completion	Recommended books
Day 13	Project Completion	Recommended books
Day 14	SPQM Revision	Prescribed text and recommended books
Day 15	Final exam	