

**Payap University**  
**Bachelor of Science (Computer Information Systems)**  
**Faculty of Science**  
**1st Semester / Academic Year 2011**

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**1. Course:** ICS442 IT Project Management 3 (3-0-6) credits  
Prerequisite: *ICS341 Systems Analysis and Design*

**Course Description:**

Study the discipline of project management within the context of developing information systems in an organizational setting. This course covers both behavioral and technical aspects of project management used throughout a project's lifecycle such as context and processes; the scope, time, cost and quality management of projects; risk management; project teams and resource management; project procurement; and the communication and documentation.

**2. Instructor's Name**

Instructor: Dr. Seung-Hwan Kang (Full Time Instructor)  
Email: seung\_h@payap.ac.th  
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Tel.: (053) 851478-86 Ext. 7221

Lecture Time: Tuesday 10.00 A.M.- 11.30 A.M., PC319  
Thursday 10.00 A.M.- 11.30 A.M., PC319

**3. Course Objectives:**

On completion of this course the students will be able to:

- Understand the concepts and principles of software project management
- Understand the techniques and tools to manage such a project
- Effectively apply the ideas, techniques and tools to manage software project
- Understand the planning, resource allocation, scheduling, risk management, monitoring and control of a software project management
- Have an ability to manage a software project with given constraints and domain
- Understand the software development standards

**4. Reading Material**

**4.1 Required textbook(s)**

- Jeffrey K Pinto, (2007) *Project Management: Achieving Competitive Advantage and MS Project*, 1<sup>st</sup> edn, Prentice Hall, ISBN-10: 0132229676.

**4.2 Supplementary reading materials**

- Clifford F. Gray, (2008) *Project Management: The Managerial Process*, 4<sup>th</sup> edn, McGraw-Hill, ISBN: 978-007-126626-0.
- Kathy Schwalbe, (2006) *Information Technology Project Management*, 4<sup>th</sup> edn, Thomson & Course Technology, ISBN: 0-619-21528-3.
- Rachel Biheller Bunin, (2004) *New Perspectives on Microsoft Office Project 2003, Introductory*, 1<sup>st</sup> edn, Course Technology, ISBN-10: 0619213795 ISBN-13: 9780619213794.
- Robert Hughes and Mike Cotterell, (2006) *Software Project Management*, 4<sup>th</sup> edn, McGraw-Hil, ISBN: 0077109899.
- Joel Henry, (2004) *Software Project Management: A Real-Wold Guild to Success*, 1<sup>st</sup> edn, Addison-Wesley, ISBN-10: 0201758652.

Any readings and references are recommended only and are not intended to be an exhaustive list. Students are encouraged to use the library catalogue and databases to locate additional readings.

**5. Course Syllabus**

A proposed lecture schedule for the subject is as follows:

Week	Content	Teaching Hours (Lect/Lab)	Activity
1	Chapter 1 Introduction: Why Project Management?	3 (3-0)	
2	Chapter 2 The Organization Context: Strategy, Structure, and Culture	3 (3-0)	Assignment #1 Due (5%)
3	Chapter 3 Project Selection and Portfolio Management	3 (3-0)	
4	Chapter 4 Leadership and the Project Manager	3 (3-0)	
5	Chapter 5 Scope Management	3 (3-0)	
6	Chapter 6 Project Team Building, Conflict, and Negotiation	3 (3-0)	
7	Chapter 7 Risk Management	3 (3-0)	
	<b>Midterm Exam</b>		
8	Chapter 8 Cost Estimation and Budgeting	3 (3-0)	Assignment #2 Due (10%)
9	Chapter 9 Project Scheduling: Networks, Duration Estimation, and Critical Path	3 (3-0)	
10	Chapter 10 Project Scheduling: Lagging, Crashing, and Activity Networks	3 (3-0)	
11	Chapter 11 Critical Chain Project Scheduling	3 (3-0)	
12	Chapter 12 Resource Management	3 (3-0)	
13	Chapter 13 Project Evaluation and Control	3 (3-0)	
14	Chapter 14 Project Close-out and Termination	3 (3-0)	
15	Course Review	3 (3-0)	Assignment #3 Due (15%)
	<b>Final Exam</b>		

- Changes to the above schedule will be posted via e-Learning space <http://elearning.payap.ac.th/>.
- Any information posted to the web site is deemed to have been notified to all students.
- Lecture slides are provided as PowerPoint presentations via e-Learning space.
- Assignment due date/time is at the beginning of the lecture class.

## 6. Evaluation

6.1. Assignments	30 %
6.2. Mid-term Examination	30 %
6.3. Final Examination	40 %
<b>Total</b>	<b>100 %</b>

## 7. Evaluation Criteria

- 7.1. Plagiarism is NOT tolerated in this course. Any students found plagiarizing will receive 0.
- 7.2. Students who have less than 80% attendance CANNOT take the final exam.
- 7.3. The evaluation is based on the *Payap University Grading Scale* shown as follows:

Range	Letter Grade	Score (4 point scale)
100-80	<b>A</b>	4
79-75	<b>B+</b>	3.5
74-70	<b>B</b>	3
69-65	<b>C+</b>	2.5
64-60	<b>C</b>	2
59-55	<b>D+</b>	1.5
54-50	<b>D</b>	1
49-0	<b>F</b>	0

- 7.4. The following “letter grades” may also be given:

- “I” Incomplete
- “W” Withdraw
- “IP” Course work in progress

“U” Audit  
“P” Pass  
“NP” Not Pass  
“IP” Course work in progress