

Course Syllabus

1. **Program of Study** Bachelor of Science (Computer Science)
Faculty/Institute/College Mahidol University International College
 Mahidol University

- Course Code** ICCS 416 **Course Title** Knowledge Management

2. **Number of Credits** **4 (Lectures/lab) (4 - 0)**

3. **Prerequisite(s)** ICCS 411

4. **Type of Course** Elective

5. **Trimester / Academic Year** Trimester II / Year 2005 - 2006

6. **Course Description**
 Issues in concepts and definitions of knowledge and knowledge management, organizational issues and knowledge management, management of intangible assets and intellectual capital; topics in managing organizational knowledge and knowledge processes; the complex nature of knowledge in organizations; developing skills to analyze, understand and implement knowledge management practices

7. **Course Objective(s)**
 By the end of the course students should be able to gain broad understanding about:
 - Knowledge Management Systems Life Cycle
 - Knowledge Creation and Architecture
 - Knowledge Transfer and Knowledge Sharing
 - Knowledge Management Tools
 - Managing and working with Knowledge teams

8. Course Outline

Week	Topic		Instructor
	Lecture	Hour	
1	Introduction, The Origins of Knowledge	4	Dr. Udom Silparcha
2	The 10-Step Knowledge Management Road Map	4	
3	The Leveraged Infrastructure	4	
4	Aligning Knowledge Management and Business Strategy	4	
5	Infrastructure Evaluation and Leverage	4	
6	Knowledge Management Platform	4	
7	Knowledge Audit & Analysis	4	
8	Designing the Knowledge Management Team	4	
9	Creating the Knowledge Management System Blueprint	4	
10	Leadership & Reward Structure	4	
11	Real-options Analysis for Knowledge Valuation	4	
	Total	44	

9. Teaching Method(s)

Lectures, exercises, discussion, group projects, and self-study

10. Teaching Media

Text and teaching materials, Powerpoint, and handouts

11. Measurement and Evaluation of Student Achievement

Assessment made from stated criteria: students with 85% obtain grade A

12. Course Evaluation

1. Participation	5%	4. Mid-term exam	20%
2. Assignments (×4)	25%	5. Final exam	30%
3. Projects	20%		

13. Reference(s)

Tiwana, A., 2002. The Knowledge Management Toolkit: Orchestrating IT, Strategy, and Knowledge Platforms-2nd ed. Prentice Hall PTR, Upper Saddle River, NJ.

Elias M. Awad, Hassan M. Ghaziri, Knowledge Management, Pearson Education Inc., Prentice Hall (2004).

Rao, M., 2004. Knowledge Management Tools and Techniques : Practitioners and Experts Evaluate KM Solutions. Butterworth-Heinemann, Burlington, MA.

14. Instructor(s)

Dr. Udom Silparcha

15. Course Coordinator

Dr. Udom Silparcha