

## Course Syllabus

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|-------------------------------------|--|
| <b>1. Program of Study</b>          | Bachelor of Business Administration Program  |
| <b>Faculty/Institute/College</b>    | Mahidol University International College   |
| <b>2. Course Code</b>               | ICIS 381   |
| <b>Course Title</b>                 | Fundamental of Computer Systems  |
| <b>3. Number of Credits</b>         | <b>4 (Lecture/Lab/Self-Study) (4-0-8)</b>  |
| <b>4. Prerequisite(s)</b>           | -  |
| <b>5. Type of Course</b>            | Required Course  |
| <b>6. Trimester / Academic Year</b> | First, Third Trimester/2007-2008   |
| <b>7. Course Conditions</b>         | 20-40 students   |
| <b>8. Course Description</b>        | An introduction to the major features of computer systems including the architecture of the CPU, secondary storage, I/O devices, databases, networking, electronic commerce, the programming process and systems analysis. |
| <b>9. Course Objective(s)</b>       | After successful completion of this course, students will be able to   |
| 9.1                                 | To present a core of Information Systems principles with which every business student should be familiar.  |
| 9.2                                 | To offer a survey of the Information Systems discipline that will enable all business students to understand the relationships of advanced areas of information systems.   |
| 9.3                                 | To present the changing roles of today's Information Systems professionals and organizations.  |
| 9.4                                 | To show the value of the discipline as an attractive field or specialization.  |

## 10. Course Outline

Week	Course Outline				Instructor
	Topics	Lecture	Lab	Self-Study	
1	Introduction to Information Systems	4	0	8	VRB
2	Software – Systems Software	4	0	8	VRB
3	Programming Languages	4	0	8	VRB
4	Hardware – Computer Architecture	4	0	8	VRB
5	Networks and Telecommunications	4	0	8	VRB
6	The Internet	4	0	8	VRB
7	Electronic Commerce	4	0	8	VRB
8	Knowledge Management	4	0	8	VRB
9	Issues in Information Technology	4	0	8	VRB
10	Systems Analysis and Design	4	0	8	VRB
11	Security and Privacy	4	0	8	VRB
	<b>Total</b>	<b>44</b>	<b>0</b>	<b>88</b>	

## 11. Teaching Method(s)

Lecture and discussion

## 12. Teaching Media

Handouts

Video (through the Internet)

Real world software application examples

## 13. Measurement and Evaluation of Student Achievement

Students achievement is measured and evaluated by

- 13.1 The ability to present a core of Information Systems principles with which every business student should be familiar.
- 13.2 The ability to offer a survey of the Information Systems discipline that will enable all business students to understand the relationships of advanced areas of information systems.
- 13.3 The ability to present the changing roles of today's Information Systems professionals and organizations.
- 13.4 The ability to show the value of the discipline as an attractive field or specialization.

Student's achievement will be graded according to the faculty and university standard using the symbols: A, B+, B, C+, C, D+, D, and F.

Student must have attended at least 80% of the total class hours of this course.

Ratio of mark	
1. Midterm	40%
2. Final	40%
3. Quizzes	10%
4. Project	5%
5. Participation & Attendance	5%

#### **14. Course Evaluation**

- 14.1 Students' achievement as indicated in number 13 above.
- 14.2 Students' satisfaction towards teaching and learning of the course using questionnaires.

#### **15. Reference(s)**

Thompson and Cats-Baril (2003). **Information Technology and Management**, McGraw Hill.  
Shell Cashman Vermaat (2004). **Discovering Computer 2004**, Course Technology.  
Robert Nickerson (2001). **Business and Information Systems**, Prentice Hall.

#### **16. Instructor(s)**

Veera Bhatiasavi

#### **17. Course Coordinator**

Program Director of Information Systems Major

