

## Course Syllabus

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|------------------------------------|---|
| <b>1. Program of Study</b>         | Bachelor of Science (Computer Science)            |
| <b>Faculty/Institute/College</b>   | Mahidol University International College          |
| <b>Course Code</b> ICCS366         | <b>Course Title</b> Management Information System |
| <b>2. Number of Credits</b>        | 4(Lecture/Lab) (4-0)                              |
| <b>3. Prerequisite(s)</b>          | ICCS 411  |
| <b>4. Type of Course</b>           | Core  |
| <b>5. Trimester/ Academic Year</b> | Third trimester / every academic year             |

### 6. Course Description

This course is aimed to be the preliminary computer course for students. The knowledge in computer concepts and fundamentals are very important because they will be the basic for the students when they move on to other computer-related courses. Besides, these concepts will lead us to be more understanding with real effects of computers on society. The students are expected to understand the nature of problem solving process in computer-related fields and the way to deploy these concepts in the each situation. Tools and techniques such as structured flow chart, and pseudo code will be used throughout this course. For the implementation of the solution, practical exercises are also included. Problems are programmed in the structured programming languages. C language will be introduced to use during in the class as examples and exercises.

Design, development, applications, and organizational impact of Management Information systems (MIS) and Decision Support System (DSS) from the managerial perspective. Assessing information needs; sources, organization, characteristics and users of data; database and file management systems; evaluating information systems effectiveness and efficiency.

### 7. Course Objective(s)

1. To understand the roles of IT in an organization
2. To show how real-world organizations manage their information systems and make uses of them
3. To study wide range of applications in the organization e.g. ERP, DSS, ES, E-Commerce

## 8. Course Outline

Week	Lecture Topic	Hour
1	Information Systems, Organizations, Management, And Strategy	4
2	The Digital Firm: Electronic Commerce And Electronic Business	4
3	Ethical And Social Issues In The Digital Firm	4
4	Managing Hardware And Software Assets	4
5	Managing Data Resources	4
6	Telecommunications And Networks	4
7	The Internet And The New Information Technology Infrastructure	4
8	Enhancing Management Decision-Making For The Digital Firm	4
9	Redesigning The Organization With Information Systems	4
10	Understanding The Business Value Of Systems And Managing Change	4
11	Information Systems Security And Control	4
	<b>Total</b>	<b>44</b>

## 9. Teaching Methods

Lecturing, Laboratory practices and presentations

## 10. Teaching Media

Slides, handouts

## 11. Course Achievement

Assessment made from the set-forward criteria according to the MUIC's grading policy.

## 12. Course Evaluation

Midterm Examination	30 %
Final Examination	35 %
Three Case Studies	30 %
Quiz	5 %

## 13. References

Martin E.W., Brown C.V., DeHayes D.W., Hoffer J.A., Perkins W.C. 2004. *Managing Information Technology*, 4<sup>th</sup> Edition. Prentice Hall.

Laudon K.C. & Laudon J.P. 2004. *Management Information Systems : Managing the Digital Firm*, 7<sup>th</sup> Edition. Prentice Hall.

## 14. Instructors

Mr.Poram Bheganan .....