Course Syllabus

1. **Program of Study**   Bachelor of Business Administration Program
    Faculty/Institute/College   Mahidol University International College

2. **Course Code**   ICIS 210
    Course Title   Introduction to Programming

3. **Number of Credits**   4 **(Lecture / Lab/Self-Study)**   (3-2-7)

4. **Prerequisite(s)**   -

5. **Type of Course**   Required Course

6. **Trimester / Academic Year**   First, Third Trimester/ 2007-2008

7. **Course Conditions**   20-40 students

8. **Course Description**
    An introduction to a computer programming language such as C or C++, elementary concepts covering problem solving and algorithm development, programming standards, variable types, control structures and loops and arrays.

9. **Course Objective(s)**
    After successful completion of this course, students will be able to understand programming concept and be able to design and write a program in C.

10. Course Outline

Week	Course Outline				Instructor
	Topics	Lecture	Lab	Self-Study	
1	Computer Organization/ Introduction to Programming	3	2	7	CVS
2	Overview of C Programming	3	2	7	CVS
3	Data Types, Operators, and Expressions 1	3	2	7	CVS
4	Input and Output 1	3	2	7	CVS
5	Input and Output 2	3	2	7	CVS
6	Systematic Thinking & Algorithm Design	3	2	7	CVS
7	Control Structure 1	3	2	7	CVS
8	Control Structure 2	3	2	7	CVS
9	Function and Program Structure	3	2	7	CVS
10	Array, String, and Pointer 1	3	2	7	CVS
11	Array, String, and Pointer 2	3	2	7	CVS
	Total	**33**	**22**	**77**	

11. Teaching Method(s)
Lecture and discussion with lab exercises

12. Teaching Media
Handouts
Computer software (hands on learning)

13. Measurement and Evaluation of Student Achievement
Students achievement is measured and evaluated by
13.1 The ability to understand programming concept and be able to design and write a program in C

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   30%
2. Final   40%
3. Assignments   15%
4. In class exercises   10%
5. Participation   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)

B. W. Kernighan & D. M. Ritchie. **The C Programming Language**, Prentice Hall.

A. C. Staugaard. **Structure Techniques: An Introduction Using C++**, Prentice Hall.

16. Instructor(s)

Chaivatna Sumetphong

17. Course Coordinator

Program Director of Information Systems Major