한국외국어대학교
HANKUK UNIVERSITY OF FOREIGN STUDIES

Seoul Campus 02450 서울특별시 동대문구 이문로 107 tel 02.2173.2093 fax 02.960.7898
107, Imun-ro, Dongdaemun-gu, Seoul, 02450, Korea
Global Campus 17035 경기도 용인시 처인구 모현면 외대로 81 tel 031.330.4114 fax 031.333.1708
81, Oedae-ro, Mohyeon-myeon, Cheoin-gu, Yongin-si, Gyeonggi-do, 17035, Korea

Hankuk University of Foreign Studies

2019 Summer Session

CPM 101 Introduction to Programming

Course Outline

Term: July 01-August 02,2019

Class Hours: 8:00-9:50 (Monday through Friday)

Course Code: CPM 101

Instructor: Soheil Hosseini

Home Institution: Capitol Technology University, Laurel, MD USA

Office Hours: TBA and By Appointment

Email: ssadathosseini@captechu.edu

Credit: 4

Class Hours: This course will have 72 class hours, including 40 lecture hours, 10 lecturer office hours, 10-hour TA discussion sessions, 2-hour review sessions, 10-hour extra classes.

Course Description:

The implementation of this course is done in C. Students will learn how to declare variables and use them within a program using pointer access. Students will write applications by using various functions and with the help of the C Standard Library.

Course Objectives: Upon the completion of this course a student should be able to

1. Map a an appropriately given problem to code
2. Compile and link a C/C++ program
3. Write a sequential set of statements
4. Write conditional statements
5, Write loops
6. Have a basic understanding of the different data types and the use of pointers

Seoul Campus 02450 서울특별시 동대문구 이문로 107 tel 02.2173.2093 fax 02.960.7898
107, Imun-ro, Dongdaemun-gu, Seoul, 02450, Korea
Global Campus 17035 경기도 용인시 처인구 모현면 외대로 81 tel 031.330.4114 fax 031.333.1708
81, Oedae-ro, Mohyeon-myeon, Cheoin-gu, Yongin-si, Gyeonggi-do, 17035, Korea

7. Understand the use of functions
8. Output to the screen and to a file
9. Input from keyboard or file
10. Understand and use libraries
11. Arrays

Required Textbooks: C Programming A Modern Approach by K.N. King. 2nd edition.

Grading & Evaluation:

There will be several homework assignments. Homework will not be accepted after the due date. Homework assignments will be also used as a source of exam questions.

Quizzes are a significant part of the course grade. There will be quizzes throughout the semester and will consists of 2-3 relatively simple questions (may change for few quizzes) based on the recently covered material.

Attendance	*10%*
Homework	*20%*
Quiz	*25%*
Midterm	*20%*
Final Exam	*25%*
Total	***100%***

Final letter grades will be determined based on the convention shown below:

Total	*Grades*
90-100%	*A*
80-89%	*B*
70-79%	*C*
60-69%	*D*
Below 60%	*F*

Course Schedule

Week1
Session 1: Introduction to Computer Programming
Session 2: Basic program syntax
Session 3: Data types, declarations, expressions, variables
Session 4: Preprocessor { **Quiz 1/ Homework 1**}

Seoul Campus 02450 서울특별시 동대문구 이문로 107 tel 02.2173.2093 fax 02.960.7898
107, Imun-ro, Dongdaemun-gu, Seoul, 02450, Korea
Global Campus 17035 경기도 용인시 처인구 모현면 외대로 81 tel 031.330.4114 fax 031.333.1708
81, Oedae-ro, Mohyeon-myeon, Cheoin-gu, Yongin-si, Gyeonggi-do, 17035, Korea

Week2
Session 1: User-defined functions, standard library functions, scope
Session 2: Conditional Statements
Session 3: Iteration Statements
Session 4: **Midterm Exam** / **Homework 2**

Week3
Session 1: Storage classes
Session 2: Arrays (sing and two-dimensional arrays)
Session 3: Input / Output
Session 4: Strings, character and string library functions **{ Quiz 2 / Homework 3}**

Week4
Session 1: Control Statements
Session 2: Basic concepts with Pointers
Session 3: Programming with Pointers
Session 4: Programming with Unions, and Enums **{ Quiz 3 / Homework 4}**

Week5
Session 1: Dynamic Memory Concepts and Programming
Session 2: Programming with Linked Lists and Stacks
Session 3: Programming with Trees and Graphs
Session 4: **Final Exam**