Syllabus (2021-2)

Course Title	Introduction to Programming	Course No.	37412-02
Department/ Major	Dept. of Electronic and Electrical Engineering	Credit/Hours	3/3
Class Time/ Classroom	Lecture: Mon(5) 14:00~15:15, Lab.: Wed(4) 12:30~13:45 / Eng. Bldg. A. 410 Online class: The classes will be provided as recorded lectures If possible, on-site offline exams depending on COVID-19 situation		
Instructor	Name: Sang-Beom Jun	Dept. of Electronic and Electrical Engineering	
	E-mail: juns@ewha.ac.kr	Telephone: 02-3277-3892	
Office Hours/ Office Location	TBA / Office: Asan.532		

Ⅰ. Course Overview

1. Course Description

- To learn the basic concepts of C programming language
- To practice the C programming language in Lab class
- To learn basic Matlab skills

2. Prerequisites

No prerequisite is required.

3. Course Format

Lecture	Discussion/Presentation	Experiment/Practicum	Field Study	Other
50 %	0 %	50 %	0 %	0 %

(Instructor can change to match the actual format of the class.)

4. Course Objectives

The objective of this course is to understand the basic principles of computer architecture and operation based on learning the computer programming language C and Matlab. Students will study and practice the techniques for building computer programs using the programming languages. The class comprises a lecture and a lab class per week.

5. Evaluation System

Midterm Exam	Final Exam	Quizzes	Presentation	Projects	Assignments	Participation	Attendance
30 %	40 %	%	%	%	20 %	%	10 %

* Explanation of evaluation system:

- Grade will be determined based on combined evaluation (absolute and relative evaluation)
- According to the university evaluation rule for classes in English, the maximum portion of A and A+B will be 45% and 90%, respectively.
- More than 10 absences will give F grade. 3 late attendances are equal to 1 absence.
- The rule for attendance of the online lectures will be announced at the beginning of the class.
- **Failure to take either the midterm or the final exam will cause F grade.**

Ⅱ. Course Materials and Additional Readings

1. Required Materials

Powerpoint files will be provided for lectures and labs.
(Class materials will be uploaded at Cyber Campus e-class (http://cyber.ewha.ac.kr))

2. Supplementary Materials

None

3. Optional Additional Readings

Ⅲ. Course Policies

* For laboratory courses, all students are required to complete lab safety training.

- The course will be offered in English.
- Failure to take either the midterm or the final exam will cause F grade.
- Office hour will be informed at the first class.
- Since this class includes Lab. hours, all students are required to complete online lab safety training.

IV. Course Schedule (15 credit hours must be completed.)

Week	Date	Topics & Class Materials, Assignments
Week 1	09/01	Introduction to C Programming
	09/06	Lab Introduction
Week 2	09/08	Variables
	09/13	Lab Class
Week 3	09/15	Operators I
	09/20	**Chuseok Holiday**
Week 4	09/22	**Chuseok Holiday**
	09/27	Lab Class
Week 5	09/29	Operators II
	10/04	**Day off for National Foundation Day**
Week 6	10/06	Lab Class
	10/11	**Day off for Hangeul Proclamation Day**
Week 7	10/13	Control Flow (Decision Making)
	10/18	Lab Class
Week 8	10/20	**No class during official university midterm exam (10/20-22)**
	10/25	Control Flow (Loops)
Week 9	10/27	Lab Class
	11/01	Functions
Week 10	11/03	Lab Class
	11/08	Array & Scope rule
Week 11	11/10	Lab Class
	11/15	Pointer Basic
Week 12	11/17	Lab Class
	11/22	Pointer and Array
Week 13	11/24	Lab Class
	11/29	Pointer and Function
Week 14	12/01	Lab Class
	12/06	Recursion, Structures
Week 15	12/08	Lab Class
	12/13	Matlab basic I
Makeup Class	12/15	Matlab basic II
	10/30	**Midterm Exam @10:00~12:00**
	12/18	**Final Exam @10:00~12:00**

V. Special Accommodations

* According to the University regulation section #57-3, students with disabilities can request for special accommodations related to attendance, lectures, assignments, or tests by contacting the course professor at the beginning of semester. Based on the nature of the students' request, students can receive support for such accommodations from the course professor or from the Support Center for Students with Disabilities (SCSD). Please refer to the below examples of the types of support available in the lectures, assignments, and evaluations.

Lecture	Assignments	Evaluation
· Visual impairment : braille, enlarged reading materials · Hearing impairment : note-taking assistant · Physical impairment : access to classroom, note-taking assistant	Extra days for submission, alternative assignments	· Visual impairment : braille examination paper, examination with voice support, longer examination hours, note-taking assistant · Hearing impairment : written examination instead of oral · Physical impairment : longer examination hours, note-taking assistant

- Actual support may vary depending on the course.

* The contents of this syllabus are not final—they may be updated.