

강 의 계 획 서

1. 교과목 정보

교과목명		학점	권장 학과	권장학년	이수구분
Language-C		2학점 () 3학점 (√)	Dept. ISS Dept. ACE	1학년	전공
작성 교수	대학 및 부서	학과(학부)		성명	
	BIC	Dept. ISS		한성화	
학습목표	Understand Language C's Feature, Advantages and Usage. Understand Language C's Grammar. I can develop a small User Interaction Program.				
강의교재	The C Programming Language / Brian W. Kernighan, Dennis Ritchie / Prentice Hall / 1988				
교육 목적 및 필요성	Language C is considered the most fundamental language for acquiring computer-like thinking skills before learning other languages. Therefore, IT majors must learn Language C. However, there has been no English-based language C course specifically for foreigners. Many Korean schools offer easier ways for foreigners to learn Language C. Online learning can increase learning autonomy.				

e-Learning 콘텐츠 주별 강의내용

주	차시	주 제	세부 내용
1	1	Introduction Subject	1.1 Introduction Language C
	2		1.2 Language C Usage
	3		1.3 Language C' s Features
2	1	Setup Practice Env.	2.1 Introduction Language C Dev. Tools
	2		2.2 Install Visual Studio
	3		2.3 Create Project and Generate Simple Code
3	1	Variables, Operator	3.1 Language C' s Variables and Type Casting
	2		3.2 Language C' s Logical Operators
	3		3.3 Language C' s Bit Operators
4	1	Selection Syntax	4.1 User interaction Programming
	2		4.2 if Syntax
	3		4.3 switch / case, other Syntax
5	1	Iteration Syntax	5.1 for Syntax
	2		5.2 while Syntax
	3		5.3 do/while Syntax
6	1	Array	6.1 Introduction Array
	2		6.2 Basic Array Grammar
	3		6.3 Array Usage
7	1	Structure	7.1 Introduction Structures
	2		7.2 Structure
	3		7.3 union, enum
8		중간고사	
9	1	Pointer	9.1 Introduction Pointer and Grammar
	2		9.2 Pointer based Programming
	3		9.3 Usage Pointer
10	1	Pointer and Array	10.1 Relation between Pointer and Array
	2		10.2 Access Array by using Pointer
	3		10.3 Multi Dimension Array
11	1	String Parsing	11.1 Introduction String Handling APIs
	2		11.2 String Handling API Practice #1
	3		11.3 String Handling API Practice #2
12	1	Dynamic Memory Allocation	12.1 Introduction Memory Types
	2		12.2 Basic Dynamic Memory Allocation
	3		12.3 Dynamic Memory Allocation Practice
13	1	Function	13.1 Introduction SW Development Env.
	2		13.2 Multi Function Usage
	3		13.3 Multi Function in Multi Files
14	1	File IO	14.1 Data Store Method and File Handling
	2		14.2 File Open and Read
	3		14.3 File Write and Append
15		기말고사	