Hiroshima University Syllabus

Japanese

Academic Year	2016Year	**School/Graduate School**	Liberal Arts Education Program
Lecture Code	63130001	**Subject Classification**	Foundation Courses
Subject Name	プログラミング序説[1エ二]		
Subject Name （Katakana）	プログラミングジヨセツ		
Subject Name in English	Introduction to Computer Programming		
Instructor	MORIKAWA KATSUMI,TAKAFUJI DAISUKE,KAMEI SAYAKA		
Instructor (Katakana)	モリカワ　カツミ,タカフジ　ダイスケ,カメイ　サヤカ		
Campus	HigashiHiroshima	**Semester/Term**	1st-Year, First Semester, First Semester
Days, Periods, and Classrooms	(1st) Mon9-10：工103，メセ本端		
Lesson Style	Lecture	**Lesson Style 【More Details】**	Lecture & practice (fifty-fifty)
Credits	2	**Class Hours/Week** 2	**Language on Instruction** J：Japanese
Course Level	1：Undergraduate Introductory		
Course Area（Area）	02：Informatics		
Course Area（Discipline）	02：Computing Systems and Information Infrastructures		
Eligible Students	1st year students		
Keywords	Computer programming, C programming language.		
Special Subject for Teacher Education		**Special Subject**	
Related Programs			
Class Status within General Education /Integrated Courses			
Expected Outcome			
Class Objectives	Acquire basic programming techniques using C language, i.e., (1) learn how to write computer programs, (2) understand the behavior of		

/Class Outline	programs written in C, and (3) write and run C programs for simple processing requests.
Class Schedule	Lesson 1: Guidance. Introduction to programming. Linux and C programming Language. Steps of writing and running a program. (Morikawa) Lesson 2: Programming practice. (Takafuji) Lesson 3: Display "hello, world". Declare variables and assign values. Comments in code. (Morikawa) Lesson 4: Programming practice. (Takafuji) Lesson 5: Data types for integer, floating-point, and character. Formatted output using printf(). Error messages and their solutions. (Morikawa) Lesson 6: Programming practice. (Takafuji) Lesson 7: Test statement. if statement, if-else statement, Increment operator. for statement. (Morikawa) Lesson 8: Programming practice. (Takafuji) Lesson 9: while statement. do statement. Interchangeability among for, while, and do statements. Nested loops. Reading keyboard input. (Morikawa) Lesson 10: Programming practice. (Kamei) Lesson 11: Operations involving integer and floating-point types. Type conversions. Array. (Morikawa) Lesson 12: Programming practice. (Kamei) Lesson 13: Array of arrays. Array initialization. Practical problems using arrays. (Morikawa) Lesson 14: Programming practice. (Kamei) Lesson 15 Summary & final test. (Morikawa)
Text/Reference Books,etc.	(Textbook) Ｃの絵本，（株）アンク著，翔泳社 (Reference) 新・Ｃ言語入門 シニア編，林 晴比古 (著)，ソフトバンククリエイティブ
PC or AV used in Class,etc.	Textbook, handout, PowerPoint
Suggestions on Preparation and Review	For lessons 1 to 14: Topics studied in the classroom will be covered by the programming practice at ICE room scheduled next week. Try to input sample programs, compile & run these programs. Reading and understanding many good programs is a best way of mastering programming skills.
Requirements	(1) The rooms of this class are (i) lecture room for lessons, and (ii) ICE room for practice. Go to the appropriate room based on the schedule. (2) The contents of practice are how to write C programs, how to use tools for programming, and practices using several examples. (3) Each student should write your programs, obtain the results of these programs, write reports and submit them by the end of the given deadline.
Grading Method	The maximum score of all practices at ICE is about 35. The maximum score of final test is about 65. A pass grade is (i) 60 or more of the sum of them, and (ii) 50% or more of the final test.
Message	Each student should join the class positively to overcome difficulties and solve problems when mastering programming skills. Inactive students may fail to accomplish the class objectives.
	1. Assemble in lecture room 103 (Faculty of Engineering) on the first

| Other | day of the class, i.e., 11 April (Mon). 2. This class accepts students of the Cluster II, Faculty of Engineering. |

Please fill in the term-end class evaluation questionnaire.
Instructors will reflect on your feedback and utilize the information for improving their teaching.
Small classes will not conduct the questionnaire to prevent your identity from being uncovered.

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