Practice of Programming

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1. Course Description

In this course, students learn the grammar of C language and basics of programming. In addition, students will increase their understanding of C programming language through exercises (Related to DP2 and DP4).

2. Course Objectives

The aim of this course is to learn basic knowledge of the C programming language. Exercises in Robotics 1 and 2 require C programming language ability.

3. Grading Policy

Grading is determined with the exercises of every lectures (100%). Example answers of the exercises will be shown on LMS.

4. Textbook and Reference

Textbook
Textbook: Japanese book (ISBN: 978-4797377026)

5. Requirements(Assignments)

Check the scope of the next lecture in the syllabus, and read the materials and textbooks posted on LMS (1hr). In addition, after the class, read the textbooks, notebooks describing the contents of the lectures, and the materials posted on the LMS to deepen your understanding of the class learned and submit reports and assignments (1hr).

6. Note

7. Schedule

[1]	Introduction
[2]	Variables
[3]	Input /output
[4]	Operations
[5]	Data Types
[6]	Decision making: if statement
[7]	Decision making: nested if statement
[8]	Decision making: equality operator and relational operator
[9]	Switch statement
[10]	Looping: do loop
[11]	Looping: while loop
[12]	Looping: for loop
[13]	Looping: Nested loop
[14]	Elements and format of program
[15]	Summary lecture