

# Introduction Technology 2

## to Information

Syllabus Number

1H102

Basic Major Subjects

Requisites 2 credit

MAKITA Masashi

### 1. Course Description

In this course, students will acquire the writing technique to make technological reports. In addition, practice based on group work and acquire communication skills. In this course, you will acquire techniques related to the Diploma Policy 5.

### 2. Course Objectives

- Students can analyze and evaluate information by utilizing the acquired information processing technology, and summarize the contents into technical documents and presentation.
- Students can communicate with other students by creating technical documents and presentations.

### 3. Grading Policy

Grades will be evaluated by each assignment (20%), intermediate / final assignment (60%), presentation (20%).

### 4. Textbook and Reference

Textbook

We will distribute printouts in each class.

### 5. Requirements(Assignments)

Please do not be absent or be late for practical training.

### 6. Note

### 7. Schedule

- [1] Overview
- [2] Spreadsheet software (advanced): Data processing and extraction
- [3] Spreadsheet software (advanced): Data analysis (least squares method)
- [4] Spreadsheet software (advanced): Data analysis (statistical test)
- [5] Spreadsheet software (advanced): Intermediate assignment
- [6] Document creation software (basic): Basic operations
- [7] Document creation software (basic): Format
- [8] Document creation software (basic): Diagram, Table
- [9] Document creation software (applied): Formula
- [10] Document creation software (applied): Intermediate assignment
- [11] Mathematics calculation: introduction and usage of Wolfram Alpha
- [12] Mathematics calculation: Intermediate assignment
- [13] Programming: Introduction and usage of Matlab
- [14] Programming: Usage of repeated (while · for), branch (switch · if)
- [15] Final assignment and summary