

# Special Laboratory Work I on Advanced Science and Engineering

Other Requisites 4  
credit

Each Staff

## 1. Course Description

The aim of the course is to develop students' skills and to improve their abilities to apply the theoretical knowledge acquired in the course of their studies.  
The detail of the outline will be guided by your academic supervisor.

## 2. Course Objectives

By the end of the course, students should be able to do the following under the guide of your academic supervisor:

- Pointing out problems of the conventional technology,
- Discovering a novel approach for solving a problem of the conventional technology,
- Substantiation of the approach.

## 3. Grading Policy

The grade of the course will be evaluated with following viewpoints. The weight of the viewpoints are entrusted to your academic supervisor:

- Ability to point out problems of the conventional technology
- Ability to discover a novel approach for solving a problem of the conventional technology.
- Ability to prepare the proceeding of interim presentation
- Ability to perform answering questions and discussion

## 4. Textbook and Reference

Textbook

Specified by your academic supervisor.

Reference

Specified by your academic supervisor.

## 5. Requirements(Assignments)

Specific approaches will be guided by your academic supervisor.

For example

- Research of a conventional technology
- Analysis of the conventional technology problems
- Proposal of a novel approach for solving a problem of the conventional technology
- Substantiation of the approach
- Preparation for interim presentation

## 6. Note

The course schedule will be determined through discussions held among students and your academic supervisor.

## 7. Schedule

To be announced by your academic supervisor.