

**Special Practice Classes in Bioscience1** Syllabus Number 5E380  
Special Subjects  
Elective 1 credit  
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1. Course Description

This course deals with the special experiments in the field of bioscience. Students will choose one topic from the followings.

1. NMR: 1D- and 2D-NMR measurement techniques and structural determination
2. Imaging Mass Spectrometry: Visualization of bio-molecules in animal and plant tissues using MALDI-TOF-MS
3. Protein analysis: Detection of the overproduced protein by Western blot

2. Course Objectives

At this end of the course, students are expected to obtain a higher level of experimental techniques for biosciences.

3. Grading Policy

Grading will be decided based on a lab report.

4. Textbook and Reference

Textbook

Nothing to use, but some optional documents may be provided in each class.

5. Requirements(Assignments)

Nothing special.

6. Note

7. Schedule