

Practical English 2

Syllabus Number

5M277

Special Subjects

Elective 1 credit

HIRASAWA, Takae

1. Course Description

Classes will be conducted by having students translate some bioscience reports or scientific papers into Japanese. Please be sure to bring an English-Japanese dictionary to every class.

2. Course Objectives

It is important to understand and to have a basic knowledge of experimental data that underlies your research. However most information found in academic papers are in English. In this course, the goal will be to cultivate reading skills and vocabulary related to bioscience needed for writing a graduation dissertation.

3. Grading Policy

4. Textbook and Reference

5. Requirements(Assignments)

6. Note

7. Schedule

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| [1] | Introduction |
| [2] | Scientific reports recently(1) |
| [3] | Scientific reports recently(2) |
| [4] | Gene and development, evolution |
| [5] | How can small genetic changes result in large changes in phenotype? |
| [6] | How can mutations with large effects change only one part of body? |
| [7] | Modularity allows for differences in the patterns of gene expression |
| [8] | Modularity allows for differences in the patterns of gene expression |
| [9] | How can developmental changes result in differences among species? |
| [10] | How can developmental changes result in differences among species |
| [11] | How can the environment modulate development? |
| [12] | How can the environment modulate development? |
| [13] | How can the environment modulate development? |
| [14] | How do developmental genes constrain evolution? |
| [15] | How do developmental genes constrain evolution? |