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| Year | First semester 2026 |
| Course | Inorganic Chemistry |
| Day/Period | Wed.4Period |
| Credit(s) | 2Credits |
| Instructor | SHINICHI MORITA |
| Eligible Participants | Not specified (For all grades) |
| Course code/number | |
| Main Subjects | |
| Course of Media Class | |
| Practical business | |
| Language Used in Course | English |
| Course Title | Inorganic Chemistry and Basic Chemistry |
| Purpose/Abstract | The objective of this course is to acquire a fundamental understanding of chemistry, with a specific focus on inorganic chemistry, physical chemistry, and analytical chemistry. |
| Goal | (i) To understand daily life phenomena from chemical perspectives through in-class group discussions (ii) To learn the foundations of numerical calculations essential for chemistry |
| Contents and progress schedule of the class | Students will study the following topics: 1. Biological Phenomena and Chemistry 2. Optical Measurement and Vibrational Spectroscopy 3. Method of Least Squares 4. Fourier Transform 5. Principal Component Analysis (PCA) |
| Grading | Evaluation is primarily based on class participation and submitted reports. |
| Books required/referenced | None specified. |
| Contents of preparation and review | Students are expected to read books and literature related to the course topics and prepare required reports. |
| Study time for preparation and review | Approximately several hours per week |
| How to contact and Google Classroom Code | Email: shinichi.morita.c6@tohoku.ac.jp k2r72fl |
| Remarks | Location: Aobayama, Science Complex A Note: The course will not be held if fewer than 5 students are registered. |
| Last Update | |

One-credit courses require 45 hours of study. In lecture and exercise-based classes, one credit consists of 15-30 hours of class time and 30-15 hours of preparation and review outside of class. In laboratory, practical skill classes, one credit consists of 30-45 hours of class time and 15-0 hours of preparation and review outside of class.