# Introduction to Contemporary Science and Technology2

Syllabus Number 0L102
General Basic Subjects
Elective 2 credit

SANO Kazumi

1. Course Description

How did science evolve? In this lecture, we will outline the history that modern science has been established from ancient times. In this later course, we will follow the history of science development by field, using "zusetsu kagakushi nyumon" as the text.
We also think about the relationship between science and society.
The students are required to participate in class, having an interest in the latest news of science and technology.

2. Course Objectives

The students understand the brief history of the development of science and technology, acquire a "scientific" way of thinking, acquire “scientific literacy” and have interest in contemporary science and technology.

3. Grading Policy

Students will be evaluated with final report assignments.
The report will be evaluated whether it is not copied from somewhere. I will return the report in class.
If there are no more than two-thirds of attendance, no unit will be issued even if only report is submitted. We recommend active contributions in group work.

4. Textbook and Reference

Reference
Hashimoto Takehiko 図説・科学史入門
ISBN-13: 978-4480069207 Chikuma Shobo

5. Requirements(Assignments)

Please also look into news on science and technology, which is reported in newspaper, TV, Internet news etc.
In each lecture, I will instruct what I want you to prepare and review in the next lesson.
Evaluation will be done in the report. So, please get used to writing the report.
I think that it takes about an hour for preparation review.

6. Note

We will use LMS to prepare for review.
In addition, resume will be distributed as necessary.

7. Schedule

[1] Guidance. What is the hottest science right now
[2] From the Science and Technology Topics in 2020
[3] Introduction of the Nobel Prize for 2021
[4] Group discussion: What is different between science and magic
[5] Learn the history of astronomy based on the history of astronomy - text 47-87
[6] Learn on the history of meteorology - text pages 89-126 we will learn the history of meteorology
[7] Learn the history of geology based on the history of geology - text 127-166
[8] Learn the history of zoology and botany based on the history of zoology and botany ~ text 167-214 page
[9] Learn the history of the human body (medicine) - text 215-250 page
[10] Learn the history of life science based on the history of life science - texts 251-286
[11] Learn the history of molecules, atoms, elementary particles based on the history of molecules, atoms, elementary particles ~ text page 287-328
[12] Present life science (plan to watch movies)
[13] Nuclear power · elementary particle research present (movie watching schedule)
[14] Group discuccion: Future science, the future of science
[15] Summary of the lecture. Final report assignment