

Understanding of natural disasters occur in Japan

Summer Program2019

COURSE TUTOR

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COURSE OVERVIEW

This course provides a lecture to deepen your understanding of natural disasters in Japan. Japan has experienced various natural disasters such as earthquakes, tsunamis, floods, droughts, volcanic eruptions, and landslides. Among those natural disasters, this course mainly deals with earthquakes, tsunamis, floods and landslides, which occur frequently in Japan. In Part I, you will learn about the history of major disasters that have occurred in the past. In addition, you will learn the mechanism of earthquakes, tsunamis, floods and landslides based on earth science and applied mechanics. In Part II, you will participate in several physical experiments and field works to deepen the understanding of the occurrence mechanism of disasters. You will also analyze data obtained from physical experiments and field works. In Part III, you will learn about measures to mitigate damage caused by earthquakes, tsunamis, floods and landslides.

TEXTBOOKS AND READINGS

Materials will be provided in the lecture.

COMMUNICATIONS

The course tutor's details are as follows:

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