

## Principles of Disaster Risk

2 units (selection)

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**Target** To understand concept of risk, risk management, damage reducing measure ability to natural disaster

**Outline** To understand historical earthquakes and tsunamis, characteristics of earthquake and tsunami, prediction of damage, to cultivate presentation skill and debate ability.

**Keyword** *earthquakes and tsunamis, disaster prevention assessment, risk management*

**Relational Lecture** “Principle of Environmental Risk”(0.5)

**Goal** Training-up of technical knowledge to the natural disaster, the basic knowledge which can correspond to the risk management and the crisis management

**Schedule**

1. Historical Earthquakes in Japan
2. Historical Tsunamis in Japan
3. Characteristics of Earthquake
4. Characteristics of Tsunami
5. Generation Characteristics of Nankai Earthquake
6. Generation Characteristics of Nankai Earthquake and Tsunami
7. Disaster Prevention for Earthquakes and Tsunamis
8. Disaster Prevention Assessment for Earthquakes and Tsunamis
9. What is Risk Management ?
10. Practice of Risk Management for Earthquakes and Tsunamis(1)
11. Practice of Risk Management for Earthquakes and Tsunamis(2)
12. Presentation of Tsunami Risk Assessment
13. Study tour:The January 17, 1995 Hyogoken-Nanbu earthquake
14. Study tour: Nankai Earthquake in Tokushima
15. Study tour:Tokushima Disaster Prevention Center

**Evaluation Criteria** Assignments Count 100%

**Textbook** To be introduced in the class

**Reference** To be introduced in the class

**Contents** <http://cms.db.tokushima-u.ac.jp/cgi-bin/toURL?EID=216659>

**Student** To be limited to students of course

**Contact**

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(Office Hour: 火曜日, 14:35 から 16:05, 18:00 から 19:30)

**Note** 授業を受ける際には, 2時間の授業時間毎に2時間の予習と2時間の復習をしたうえで授業を受けることが, 授業の理解と単位取得のために必要である.