

Subject: Disaster Mitigation - Recovery Policy

Course number : DMP2000E

Instructor : Prof. Shigeru Morichi

Term / Time : Winter

1 Course Description

This course provides the framework of seismic and water related disaster mitigation policies and the basic idea of each policy.

The policies discussed in this class include the disaster prevention policies for transportation infrastructure and land-use and also social education for disasters.

2 Course Outline (Course Topics)

Week

1: Introduction: Coverage of this class Disaster mitigation policy

2: Social systems against disaster

3: Education on basic knowledge for disasters

4: Land use and regulations

5: Reliability analysis of transportation network

6: Policy Making Process

7: Methodology for the estimation of earthquake hazard and disaster

By Prof. Muneo Hori, Earthquake Research Institute, Univ. of Tokyo : 30 Jan.

8: Lessons from tragedies

By Prof. Kazushi Sano, Nagaoka Univ. of Technology : 7 Feb.

9-11: Policy for Transportation Infrastructure

- Policy for airport infrastructure

- Policy for port infrastructure

By Mr. Hidetoshi Kume, OBROEIC: 5 Feb.

- Policy for road infrastructure

By Dr. Shigeki UNJYOU, Institute of Public Works : 31 Jan.

12-13: Recovery and reconstruction Policy

14-15: Presentation by students and discussion

- The improvement of policies in each country

3 Grading

Discussion in the class and the term paper are evaluated.

Class participation (Discussion) 40%

Term Paper 60%

4 Textbooks

Handouts and power-point materials