

Subject: Disaster Risk Management

Course number : DMP2010E

Instructor : Prof. Shoichi Ando

Term / Time : Winter

1 Course Description

This course aims to provide a broad understanding of disaster risk reduction policy, including prevention, preparedness, rescue, recovery and reconstruction. It emphasizes application of appropriate and practical policy tools such as economic, social, legal, environmental and technological measures reflecting regional condition of respective areas. This course attempts to discuss the following issues;

- Basic issues on disaster risk reduction
 - Activities of related organizations
 - Disaster risk reduction policy tools in Japan
 - Lessons from the past disasters (Kobe, Tohoku and the world)
 - Policies and regulation to secure safety of cities, housing and buildings
- Sustainable development and disaster risk reduction

2 Course Outline (Course Topics)

Week

- 1: Sustainable development and disasters in the world
- 2: Basics of disaster risk reduction policies in Japan
- 3: Lessons from 1995 Great Hanshin-Awaji Earthquake
- 4: 2011 Great East Japan Earthquake and Tsunami
- 5: International activities on disaster risk reduction
- 6: Disaster risk reduction in Japan (preparedness)
- 7: Disaster risk reduction in Japan (reconstruction)
- 8: Legal systems on disaster risk reduction in Japan
- 9: National, local and community disaster risk reduction
- 10: Urban disaster management systems in Japan
- 11: Building code and land use control against disasters
- 12: Housing policy and earthquake safety in Japan
- 13: Case studies of school earthquake safety initiative
- 14: Case studies of community based disaster management
- 15: Special lectures on disaster risk reduction

3 Grading

Class participation (50%)

Final examination (50%)

4 Textbooks

(“Disaster Reduction; Living in harmony with nature”, Julio Kuroiwa, 2004)

Power-point handouts and relevant documents will be provided in each class.