

Target Countries :Earthquake and tsunami disaster prone countries

Course No. :J1704023

No. :1784482

Sector :Water Resources/Disaster Management/Earthquake Disaster

Sub-Sector :

Language :English

Outline

Developing countries are vulnerable to threats of earthquakes and tsunamis. This course aims to increase capacities of officials, engineers or researchers who are conducive to earthquake and tsunami disaster management. In this course, participants will acquire Japan's leading knowledge and technologies on Seismology, Earthquake Engineering and Tsunami Disaster Mitigation.

Objective/Outcome	Target Organization / Group	
<p>【Objective】 Capacities of technical officials, engineers and researchers in the field of Seismology, Earthquake Engineering and Tsunami Disaster Mitigation who are conducive to earthquake and tsunami disaster management and disaster recovery policy are increased.</p> <p>【Outcome】</p> <ol style="list-style-type: none"> 1. To acquire basic concepts and theories on Seismology, Earthquake Engineering, or Tsunami which are essential to establish the Earthquake Disaster Mitigation Scheme, 2. To acquire basic concepts and theories on Seismic/Tsunami Hazard Estimation, Disaster Management and Disaster Recovery Policy in the fields of Seismology, Earthquake Engineering or Tsunami Disaster Mitigation which are essential to establish the Earthquake Disaster Mitigation Scheme. 3. To complete a Master thesis for solving problems in participant's country applying techniques and knowledge acquired in the course. 	<p>【Target Organization】 Governmental organs, research institutes or universities having public interest in Seismology, Earthquake Engineering or Tsunami Disaster Mitigation.</p> <p>【Target Group】</p> <ol style="list-style-type: none"> 1. Technical officials, engineers or researchers having a university degree in Seismology, Earthquake Engineering, Tsunami or equivalent, and 3 years working experience. 2. English proficiency equivalent to TOEFL PBT 550. 	
<p style="text-align: center;">Contents</p> <p>【Preliminary Phase in Home Country】 To draft an Inception Report on Seismology, Earthquake Engineering or Tsunami Disaster Mitigation by the analyses on disaster management and disaster mitigation policies of participant's country.</p> <p>【Phase in Japan】</p> <ol style="list-style-type: none"> 1. Lectures, practices and field trips on basic subjects(Information Technology related with Earthquake and Disasters, Earthquake Phenomenology, Soil Mechanics, Structural Mechanics) and advanced subjects(Earthquake Circumstance, Characteristics of Earthquake Disasters, Seismic Design, Seismic Evaluation and Retrofitting, Tsunami generation by earthquake, tsunami propagation and its run-up procedure), 2. Lectures, practices and field trips on Seismic/Tsunami Hazard and Risk Assessment, Seismic/Tsunami Disaster-Recovery Management Policy, Tsunami Early Warning System, Disaster Mitigation and Development Assistance. 3. Individual study: writing a Master thesis applying knowledge and techniques acquired in the course with instructions by supervisors. 	Course Period	2017/10/01~2018/09/15
	Department in Charge	Global Environment Department
	JICA Center	JICA Tsukuba(Training)
	Cooperation Period	2015~2017
Implementing Partner	Building Research Institute Graduate Institute for Policy Studies (GRIPS)	
Remarks and Website	On the completion of required credits, participants will be awarded a Master's degree in Disaster Management by GRIPS. Website: http://iisee.kenken.go.jp/	