

Water-related Disaster Management Course of Disaster Management Policy Program

- Level: Leading to a Masters degree
- Duration : One year (October – September)
- Partners:
 - National Graduate Institute for Policy Studies (GRIPS)
– Degree awarding institution
 - ICHARM – Teaching, supervision and assessment
 - JICA – Provides financial sponsorship

Objectives: To foster **solution oriented practitioners** with solid theoretical and engineering bases that can serve for planning and practices of flood management within the framework of integrated river basin management at all levels from nations to localities.

Eligible/Target Organization:

Technical officials, engineers and/or researchers in the field of river management or water-related disaster management

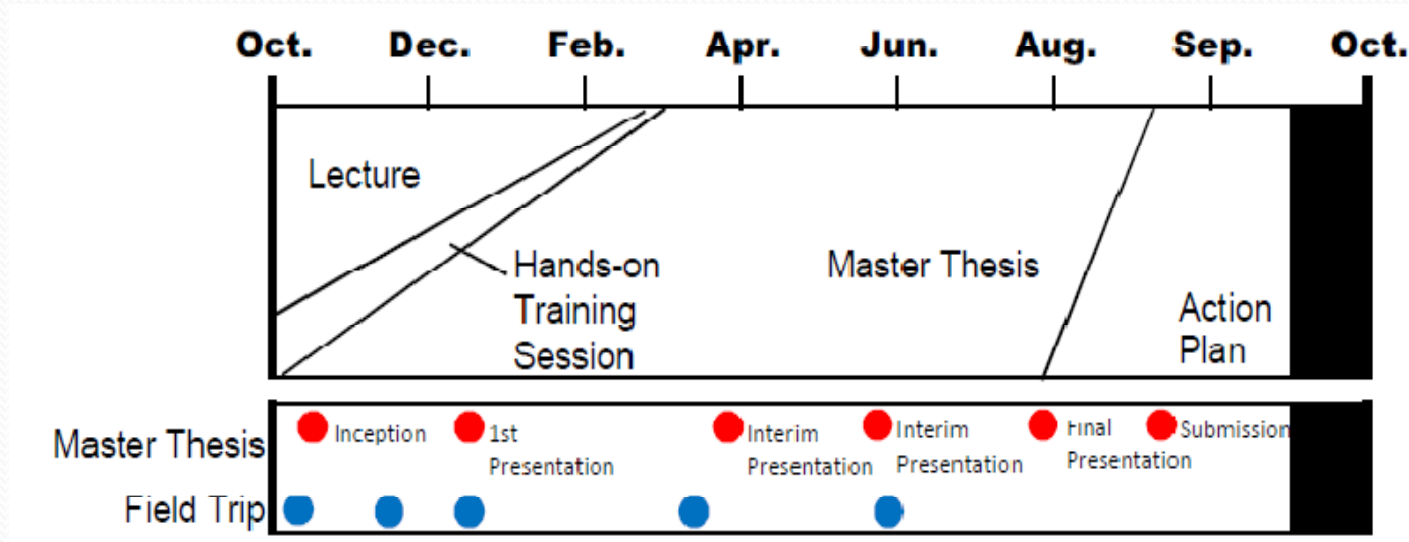
Total Number of Participants (in 2007-2008)

10 (Bangladesh - 2, China - 3, Nepal - 1, India -1 and Japan – 3)

Characteristics;

1 year master's course (1年で修士号が取得できる)

first half: Lectures & Exercises; latter half: Master Thesis

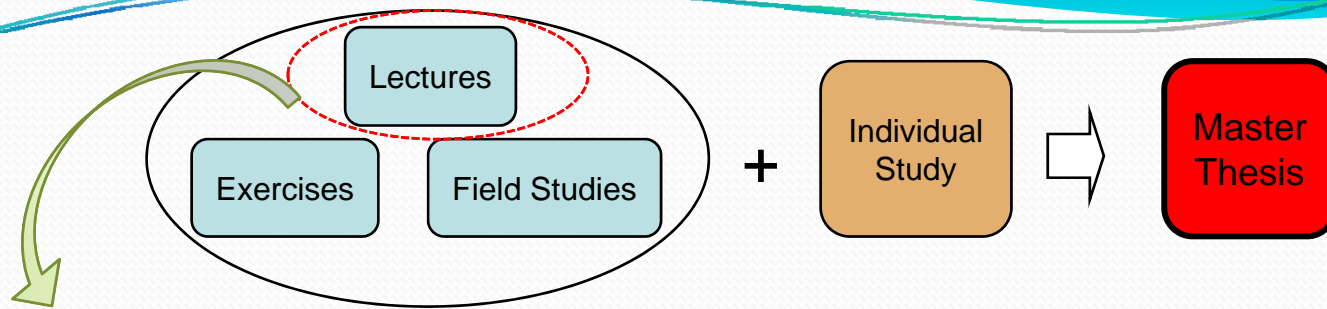


“Problem Solving-Oriented” training course (課題解決型研修)

The participants should analyze their water-related problems and think how to promote solutions as a part of Action Plan.

“Practical” rather than “Theoretical” (理論よりも実務)

Structure of the Program;



Lectures	Introduction to International Cooperation	
	Basic Study for Water-related Disaster Management	Disaster Management Policy
		Disaster Risk Management
		Hydrological Observation, Modeling & Forecasting
		Hydraulics
		Integrated Flood Risk Management (IFRM) (1)
	Application Study for Water-related Disaster Management	Integrated Flood Risk Management (IFRM) (2)
		Integrated Flood Risk Management (IFRM) (3)
		Flood Hazard Mapping & Evacuation Planning
		Sustainable Reservoir Development & Management
Control Measures for Landslide & Debris Flow		
Exercises	Practice on Hydrological Observation, Modeling & Forecasting	
	Practice on Hydraulics	
	Practice on Integrated Flood Risk Management	
	Practice on Hazard Mapping & Evacuation Planning	
	Practice on Sustainable Reservoir Development & Management	
	Practice on Control Measures for Landslide & Debris Flow	
Field Trips		
Individual Study		

Structure of the Program;



Lecture on River Training by Prof. Fukuoka



Field Trip in Tsurumi River Retarding basin



Lecture on Sabo by Dr. Okubo



Field Trip in Nikko Sabo Works

Titles of Master's Thesis (2007-2008)

1. Mr. DAI, Ming-Long (China) *"Dam-break flood analysis in mid-down stream of Han River"*
2. Mr. Khanindra BARMAN (India) *"Development of flood forecasting model in Brahmaputra valley of india"*
3. Mr. Md. Aminul ISLAM (Bangladesh) *"Flood Hazard Mapping of Dhaka-Narayanganj-Demra (DND) Project using Geo-informatics Tools"*
4. Mr. Mitra BARAL (Nepal) *"Rainfall run off modelling and inundation analysis of Bagmati River at Terai region of Nepal"*
5. Mr. Muhammad MASOOD (Bangladesh) *"Flood hazard and Risk Assessment in Mid-Eastern part of Dhaka, Bangladesh"*
6. Ms. YE, Li-Li (China) *"Flood Risk Analysis and Risk Management in Mengwa Detention Basin"*
7. Mr. Yasuo Kannami (Japan) *"Establishment of Country-based Flood Risk Index"*
8. Mr. Hirohisa Miura (Japan) *"The analysis of flood risk awareness at resident level in Mekong River basin"*
9. Mr. Ryota Ojima (Japan) *"Impact Assessment of road construction on the flood inundation in Dhaka, Bangladesh"*
10. Mr. Ji Zhou (China) *"A numerical study on the open channel network in Wuxi city"*



New intake (2008-2009)

Bangladesh -2

China – 2

Ethiopia -1

Indonesia -1

Nepal -1

Thailand -2

Issues that may need attention for the course to remain sustainable

- Competitiveness of the course when compared with other similar courses
- How to attract high quality students
- How to change from a resources driven course to a demand driven course
- Seeking recognition of the degree internationally