Objectives

- A broad and cross-boundary scientific knowledge on flood risk management.
- A comprehensive knowledge base and understanding of the current theory and practice relating to flooding and flood management.
- The fundamental knowledge leading to the understanding of socio-economic issue related to flooding.
- A broad scientific knowledge about conservation, restoration and management measures to overcome challenges imposed on water by humans and by climate change, and;
- An extended knowledge on basin-wide approach to flood risk management.

Contents

The course will introduce the basic concepts of flood risk management and the latest tools and techniques available worldwide for managing flood risk. Specific subjects to be covered are: introduction to flood risk assessment; mathematical modelling for flood risk management and current practices in Bangladesh; flood damage assessment; flood forecasting and early warning services in Bangladesh; flash flood forecasting; hands on training on hydrological modelling with HEC-HMS; climate change impact on floods in Bangladesh; contingency planning for flood risks management; application of remote sensing data in flood assessment and mapping. A field visit will be made to the flood affected area of Sirajganj.

Resource Persons

Resource persons for the short course have been selected from IWFM of BUET, UNESCO-IHE, CUET, WARPO, IWM and CEGIS.

Duration

The short course will be offered during 05 - 09 October, 2015.

Venue

Institute of Water and Flood Management (IWFM), BUET, Dhaka located on the third floor of the Institute Building of BUET (near Dr. M. A. Rashid Hall and BUET Gymnasium).

Last Date of Application

Nominations and applications for participation should reach the Directorate, IWFM by 30 September, 2015.

Course Fee

Tk. 7,000/- payable in advance for each participant in favour of Director, IWFM, BUET to the A/C No. 33001372 in Sonali Bank Ltd., BUET Branch, Dhaka - 1000.

Who Should Attend

This short course is for environmentalists, agriculturists, engineers, researchers, academicians, economists, social scientists, planners and policy-makers. At least several years of working experience after completing graduation will be preferred.
In the recent years, the world has experienced deaths, large-scale displacements of people, huge economic damages, mental stress and ecosystem impacts due to floods. Global changes (climate change, population and economic growth and urbanisation) are exacerbating the severity of flooding. The 2010 floods in Pakistan, the 2011 floods in Australia and Thailand, the 2013 floods in India all demonstrate the need for concerted actions in the face of global, societal and environmental changes to strengthen resilience against floods.

Bangladesh, in particular, is being flooded every now and then. This country observed severe floods in 1987, 1988, 1998, 2004 and 2007. Moreover, the climate change is likely to cause unfavorable changes in the precipitation pattern to worsen the flooding characteristics in Bangladesh. Flood risk management is becoming more and more important to the society, and flood modelling is seen as an integral part of flood risk management.

The short course “Flood Risk Assessment and Management” introduces the participants to the state-of-the-art concepts and practices of flood risk management. The course covers the international experiences in managing floods and stresses in the use of the latest tools in flood risk management.