FLOOD CONTROL EVALUATION AND CASE STUDIES

Prof. Dr. Sahol Hamid, Universiti Teknologi MARA, Malaysia

Block Course, Monday March 31st to Saturday April 12th, 2008
WAREM, room 0.04

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<th>Hours per Week: 2</th>
<th>Certif. of credits: oral (presentation) and written exam</th>
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<td>3 hours of lectures/exercises over 10 days + seminar</td>
<td>ECTS-Credits: 3</td>
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<th>Type of course: Lecture, exercise, seminar</th>
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1. Introduction to flood control and flood control projects around the world
Details on flood control projects and its evaluation based on world bank procedures.

2. Flood control hydrological and hydraulic procedures
Procedures by US Army Corps of Engineers.

3. Flood control economics
World bank procedures and practice.

4. Tsunami
Occurrence, geophysics, different types of tsunami. Case study on Aceh, Indonesia.

5. Three Gorges dam flood control project in China
The biggest flood control dam project explained in detail.

6. The SMART Tunnel, Malaysia
The biggest flood control tunnel and road way underground built for flood reduction and roadway. This mega project is fully operational.

7. Flood Control Projects in UK and Netherlands

Each student is required to prepare and give a 20 minutes presentation on a flood control project undertaken in any part in the world and sit for a 1.5 hour test on topics 1, 2 and 3 only.

Please register directly with warem.admin@iws.uni-stuttgart.de (limited no. of participants)