MASTER OF SUSTAINABLE HYDRAULIC STRUCTURES

General description
The Master program will be conducted at ThuyLoi University (TLU) and Campus 2 of TLU in Ho Chi Minh city. The theoretical and practical courses will be given by experienced scientists and professors from TLU and University of Liege (Ulg).

Objective
The program aims to educate young scientists, including Vietnamese students and students from regional countries in the field of water resources engineering – sustainable hydraulic structures.

Application requirements
- Citizens of Vietnam or regional countries
- Obtained Bachelor degree in the fields of water resources engineering, civil engineering or equivalent fields.
- Language of teaching: English
  An additional course of English will be organized for applicants without English certificate (TOEFL 450 or IELTS 5.0)
- Number of accepted students: 40.
General information
The education scheme (60 ECTS) includes 8 modules for a total of 45 ECTS and a master thesis of 15 ECTS.
- Module 1: Numerical method
- Module 2: Design of sustainable river control and navigation structures.
- Module 3: Numerical modelling of hydraulic flow
- Module 4: Physical modelling
- Module 5: River engineering
- Module 6: Foundation of hydraulic structures
- Module 7: Water storage dam
- Module 8: Coastal engineering

Master thesis (15 ECTS)
During a period of 6 to 12 months each student will have to carry out a thesis project at TLU.
The participant will have to prepare a short written thesis (50-60 pages) in English and to summarize his/her results in a 20 minute oral presentation, followed by a discussion with a Jury of 5 scientists.

Program Schedule

<table>
<thead>
<tr>
<th>Activities</th>
<th>Estimated Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission of Application form</td>
<td>June – October, 2014</td>
</tr>
<tr>
<td>Application evaluation</td>
<td>October, 2014</td>
</tr>
<tr>
<td>Internship activities</td>
<td>August, 2015 – October, 2015</td>
</tr>
</tbody>
</table>

Opportunities
Top students have the opportunity to do thesis work at ULg.
Top students have the opportunity to join the sandwich PhD program of ULg and TLU.
This Master degree is accepted by EC's Universities.
The degree holders have the priority to apply for the PhD program of ULg, Belgium.
The Master degree will also open new employment opportunities in water resources institutions, research institutes, foreign consulting organizations, state companies, etc.

Further Information
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