<table>
<thead>
<tr>
<th>Rubric</th>
<th>CIVL 3020 Internship Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title of course</td>
<td>Internship Training</td>
</tr>
<tr>
<td>Instructor(s)</td>
<td>J S Kuang</td>
</tr>
<tr>
<td>Teaching assistant</td>
<td>Nil</td>
</tr>
<tr>
<td>Prerequisites</td>
<td>None</td>
</tr>
<tr>
<td>Credits</td>
<td>0</td>
</tr>
<tr>
<td>Textbook(s) and/or other material</td>
<td>To be advised by training supervisors in industry</td>
</tr>
</tbody>
</table>
| Course objectives | 1. Provide opportunities to gain professional experience and to enhance understanding of the knowledge acquired from academic studies and appreciation of the breadth of civil engineering  
2. Apply theories to real-life engineering practice  
3. Strengthen industrial collaborations in the curriculum development |
| Topics | To be assigned by training supervisors in industry |
| Computer usage | To be advised by training supervisors in industry |
| Lab projects | To be advised by training supervisors in industry |
| Class/ lab schedule | A minimum of six weeks, normally during June-August |
| Contribution to the professional component | 100% on-the-job training in civil engineering |
| Intended Learning Outcomes (ILOs) of this course | I. Gain practical professional experience in civil engineering  
II. Ability to apply the knowledge acquired from the academic studies to real-life engineering practice  
III. Develop an appreciation of the breadth of civil engineering |
| Relationship to the program objectives | PEO1: Provide students with professional skills in the design, construction and management of the civil infrastructure, as well as an awareness of environmental sustainability.  
Students will attain professional skills in design and construction of real-world civil engineering projects (ILOs #I and II)  
PEO2: Train students with good communication skills so they can work effectively in large projects involving different parties and professions  
Students will develop an ability to communicate with different parties in civil engineering (ILOs #I and III)  
PEO4: Expose students to real world engineering projects as well as cutting edge research to improve their understanding of the profession and technological
Advancements that can improve current practice

Students will improve understanding of the civil engineering profession and develop an ability to conduct real-life engineering projects (ILOs #I, II and III)

| Relationship to program outcomes | PO5: Develop an ability to identify and formulate civil engineering problems, and propose feasible solutions with an appreciation of their underlying assumptions, uncertainties, constraints, and technical limitations  
- ILO #II  
PO6: Develop technical competency to design civil engineering components and systems, with an understanding of the principles behind the design methodologies  
- ILO #II  
PO7: Develop an appreciation of the breadth of civil engineering, and acquire basic knowledge in several disciplines to enable effective performance within a multidisciplinary work environment  
- ILOs #I, II and III  
PO8: Obtain in-depth knowledge in at least one major area of specialization within civil engineering  
- ILOs #I and II  
PO9: Develop an ability to communicate and present ideas effectively, including oral, written, and technical writing skills, and to function effectively within and among teams with a variety of backgrounds and interests  
- ILO #I and II  
PO10: Recognise the importance of seeking further specialisation within civil engineering and the need for life-long learning  
- ILOs #II and III  
PO11: Instill a deep sense of professional responsibilities and the importance of ethical and societal considerations, including public health, safety, environmental conservation, welfare etc.  
- ILOs #I and III |

| Assessment of outcomes | 1. Performance appraisal from the employer is requested to assess students’ learning of the subjects (ILOs #I, II and III)  
2. Training report is required to assess students’ learning of the subjects (ILOs #I, II and III) |

Prepared by J S Kuang  
Date 04 September 2013