Appendix T.5

CWP
International Survey

Erasmus+ Project: CONFRONTING WICKED PROBLEMS
Adapting Architectural Education to the New Situation in Europe

TADPK Think-tank: Teaching Architectural Design and Professional Knowledge

QUESTIONNAIRE FOR ARCHITECTURE SCHOOLS

Please fill out, scan if necessary, and email your response to:
TADPK Think-tank Leader: toraid@snohetta.com
and
Project Coordinator: anne.marie.ovenjos@adm.uio.no

UNIVERSITY / SCHOOL:
RESPONDENT:
CONTACT INFO:

1. Does your school give education on professional/practical knowledge to students studying architecture?
   Yes [ ] No [ ]

2. This education is:
   Concentrated in specific course(s) [ ] Dispersed in (various) course(s) [ ]

3. If this education is offered at your school within specific course(s), please check the relevant boxes
   stating in which semester such course(s) are offered and whether this type of education is
   mandatory (required) or optional (elective):

   Bachelor semesters
   Mandatory (Required) 1 2 3 4 5 6
   Optional (Elective) 1 2 3 4 5 6

   Master semesters
   Mandatory (Required) 1 2 3 4 5 6
   Optional (Elective) 1 2 3 4 5 6

   (Please check all boxes that apply. For integrated programs treat Master level seminars 1-6 as 7-12)

4.

5. What is the structure of this education and its length (hours per semester – HPs)?
   Type: 
   lectures
   seminars
   exercises / assignments
   visits to architectural offices (public and/or private)
   visits to building sites
   other (please specify):

TADPK Questionnaire 1 / 3
6. ECTS earned (sum total if multiple courses are offered in the same category):
   
   **Bachelor**
   
   **Master**
   
   Optional (Elective)

7. What types of insight are intended (choose multiple answers if applicable):
   
   roles of the architect – relation to client, users, consultants, etc.
   standard procedures and tools for project development
   legal aspects – public sphere: building codes, regulations, etc.
   legal aspects – private sphere: contracts, office management, fee scales, etc.
   project management, project economy, teamwork, etc.
   other types of professional/practical knowledge (please specify):

8. Has your school established links to internship positions/employment possibilities for students?
   
   Yes  No  

9. Does your school offer post-graduate (CPD, LLL or similar) courses for architects, on professional/practical knowledge?
   
   Yes  No  

10. In the text box below, please explain any specificities or particularities of the professional/practical knowledge education offered at your school that you think is important. Also, feel free to use this space to comment or further explain your answers to the survey questions, if clarifications are necessary. If required, use additional sheets of paper.

TADPK Questionnaire
Erasmus+

CONFRONTING WICKED PROBLEMS
Adapting Architectural Education to the New Situation in Europe

Teaching Architectural Design and Professional Knowledge TT
QUESTIONNAIRE FOR ARCHITECTURE SCHOOLS

SURVEY RESULTS

Oslo, 25-29 April 2016
1. Does your school give education in professional/practical knowledge to students studying architecture? 
   Yes [X]  No [ ]

2. This education is:
   Concentrated in specific course(s) [X]
   Dispersed in other types of courses [ ]

3. If this education is offered at your school within specific course(s), please check the relevant boxes stating in which semester such course(s) are offered and whether this type of education is mandatory (required) or optional (elective):
   Bachelor semesters: 
<table>
<thead>
<tr>
<th>Mandatory (Required)</th>
<th>Optional (Elective)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 2 3 4 5 6</td>
<td>1 2 3 4 5 6</td>
</tr>
</tbody>
</table>
   Master semesters: 
<table>
<thead>
<tr>
<th>Mandatory (Required)</th>
<th>Optional (Elective)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 2 3 4 5 6</td>
<td>1 2 3 4 5 6</td>
</tr>
</tbody>
</table>
   (Check all boxes that apply; for integrated programs treat Master level semesters 1-6 as 7-12.)

4. What is the structure of this education and its length in hours per semester? (sum total for multiple courses in the same category):

<table>
<thead>
<tr>
<th>type</th>
<th>Bachelor</th>
<th>Master</th>
</tr>
</thead>
<tbody>
<tr>
<td>lectures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>seminars</td>
<td></td>
<td></td>
</tr>
<tr>
<td>exercises / assignments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>visits to architectural offices</td>
<td></td>
<td></td>
</tr>
<tr>
<td>visits to building sites</td>
<td></td>
<td></td>
</tr>
<tr>
<td>other (please specify):</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   * M(R) – mandatory (required), O(E) – optional (elective)

5. ECTS earned (sum total if multiple courses are offered in the same category):

<table>
<thead>
<tr>
<th></th>
<th>Bachelor</th>
<th>Master</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mandatory (Required)</td>
<td>1,5</td>
<td></td>
</tr>
<tr>
<td>Optional (Elective)</td>
<td>1,0</td>
<td></td>
</tr>
</tbody>
</table>

6. What types of insight are intended? (give cumulative answers for multiple Bachelor/Master level and mandatory/optional courses):
   - roles of the architect – relation to client, users, consultants, etc. [X]
   - standard procedures and tools for project development [X]
   - legal aspects – public sphere: building codes, regulations, etc. [X]
   - legal aspects – private sphere: contracts, fees, office management, etc. [X]
   - project management, project economy, teamwork, etc. [X]
   - other types of professional/practical knowledge (please specify): 

7. Are students in your school required to undergo a practical experience period during their studies (internship in architectural offices or other kind of comparable professional experience), outside of academic environment (year-out, work-study, summer internships, etc.)? In order to obtain a degree in architecture?
   Yes [X]  No [ ]

   7.1. If your answer to previous question is YES, what is the required minimum length of such practical experience (in working hours)?
   hours of work: [480]
   Yes [ ]  No [ ]

   7.2. If your answer to previous question is NO, does your school intend to introduce such a requirement in the next 5 years?
   Yes [X]  No [ ]

8. If your answer to question No. 7 is NO, to the best of your knowledge, what is the percentage of architecture students in your school who occasionally or periodically work in architectural offices during their studies regardless of not being required to do so prior to graduation?
   0-25% [ ]  25-50% [X]  50-75% [ ]  75-100% [ ]

9. Has your school established links to internship positions/employment possibilities for students?
   Yes [X]  No [ ]

10. Does your school offer post-graduate (CPD, LLL or similar) courses for architects, on professional/practical knowledge?
    Yes [ ]  No [X]

11. In the text box below, please explain any specificities or particularities of the professional/practical knowledge education offered at your school that you think is important. Feel free to use this space to further explain or comment your answers to survey questions. If necessary, use additional sheets of paper.

   Q1: [comments...]
   Q2: [comments...]
13 countries
Austria
Belgium
Czech Republic
Croatia
Denmark
Italy
the Netherlands
Norway
Portugal
Spain
Switzerland
Turkey
United Kingdom

16 schools
TU Graz, KU Lueven, UHasselt, CVUT, AF Zagreb, AS Aarhus, KADK Copenhagen, POLI Milano, TU Delft, FAUL Lisbon, ETSAB, ETSAV, ZAHW, TOBB, UA London
Q1 Does your school give education in *professional/practical knowledge* to students studying architecture?

YES 100%
Q2: This education is CONCENTRATED IN SPECIFIC COURSE(S) or DISPERSED IN OTHER TYPES OF COURSES
Q3 Semesters in which MANDATORY professional knowledge course(s) are offered
Q3  Semesters in which ELECTIVE professional knowledge course(s) are offered
### Q4 Structure of PK education and its length in **hours per semester** (total sum)

<table>
<thead>
<tr>
<th></th>
<th>bachelor (total sum)</th>
<th>master (total sum)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>M</td>
<td>E</td>
</tr>
<tr>
<td>lectures</td>
<td>26</td>
<td>13</td>
</tr>
<tr>
<td>seminars</td>
<td>15</td>
<td>10</td>
</tr>
<tr>
<td>exercises / assignments</td>
<td>46</td>
<td>36</td>
</tr>
<tr>
<td>visits to offices</td>
<td>14</td>
<td>1</td>
</tr>
<tr>
<td>visits to building sites</td>
<td>7</td>
<td>1</td>
</tr>
</tbody>
</table>
Q5 Percentage of schools giving ECTS credits in this area

<table>
<thead>
<tr>
<th></th>
<th>Bachelor</th>
<th>Master</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mandatory</td>
<td>87.5%</td>
<td>50%</td>
</tr>
<tr>
<td>Optional</td>
<td>50%</td>
<td>62.5%</td>
</tr>
</tbody>
</table>
### Q5 Average ECTS earned

<table>
<thead>
<tr>
<th></th>
<th>Bachelor</th>
<th>Master</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mandatory</td>
<td>6.5</td>
<td>5.3</td>
</tr>
<tr>
<td>Optional</td>
<td>4.5</td>
<td>2.0</td>
</tr>
</tbody>
</table>
Q6 Types of insight

roles of the architect 94%
standard procedures for project development 94%
legal aspects – public sphere 100%
legal aspects – private sphere 81%
project management & economy, teamwork, etc. 88%
other types (please specify): 7 schools... n/r?
Q7 Are students in your school **required** to undergo a practical experience period during their studies (internship in architectural offices or other kind of comparable professional experience), **outside** of academic environment (year-out, work-study, summer internships, etc...), in order to obtain a degree in architecture?

![Pie chart showing 37% required and 63% not required.](chart.png)
Q7.1  Length of practical experience where required (in working hours), n=6

180  (1 month)
1260 (6 months)
100  (2,5 weeks)
1680 (9 months)
120  (3 weeks)
480  (3 months)

average (?) = 640  (4 months)
Q7.2 If no practical experience period is required, does your school intend to introduce such a requirement in the next 5 years?, n=10

- YES: 10%
- NO: 90%
Q8 To the best of your knowledge, what is the percentage of architecture students in your school who occasionally or periodically work in architectural offices during their studies regardless of not being required to do so prior to graduation?, n=11
Minimum study/PPE requirements per State/federal region for recognition as an architect

- Slovakia
- Austria
- Czech republic
- Poland
- Slovenia
- France
- Lithuania
- Belgium - Federal state
- Belgium - Flanders
- Bulgaria
- Croatia
- Hungary
- Ireland
- Luxembourg
- The Netherlands
- United Kingdom
- Spain
- Portugal
- Germany - Baden-Württemberg
- Germany - Bavaria
- Germany - Hessen
- Germany - Saxony-Anhalt
- Denmark
- Estonia
- Finland
- Greece
- Sweden
- Switzerland

Formal Study  PPE
Q9 Has your school established links to internship positions/employment possibilities for students?

- Yes: 31%
- No: 69%
Q10 Does your school offer post-graduate (CPD, LLL or similar) courses for architects, on professional / practical knowledge?

- YES: 62%
- NO: 38%