JCSE at Humboldt University in 2009

Klaus Bothe, Michael Ritzschke, Olga Schiemangk

9th Workshop “Software Engineering Education and Reverse Engineering”
Neum, Bosnia and Herzegovina, 31 August – 5 September 2009
Contents

- Website and staff
- Students
- Specialities: guests, assignments, tools ...
- Students feedback
- Summary and conclusions
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Students

- Enrolled: 69 (62 male + 8 female / 5 foreign students, e.g. Erasmus: Ukraine, Spain)
- 21 teams: most with 3 members (17x3, 3x2, 1x4)
- Participated (at least one assignment): 62
- Attendance in lectures: 50 – 40 – 35 – 30 – 25
- Accepted for exam (75 % points): 61
- Enrolled for exam: 57
  - July (2 weeks after lectures): 6 + 9
  - September (1 ½ month after lectures): 30
  - October: 6 + 4
Students statistics: semester
Students statistics: pre-knowledge

- OO Modelling: 10
- Prototyping: 8
- SW RE project: 13
- Men-machine interaction: 2
- Work in a company: 27
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Guest lectures
Importance of sub-areas of informatics

Questioning of young computer scientists working in practice at the German software company Capgemini sd&m (2008)

- Question 1: Looking back, the following lectures / exercises / seminars / side work during my informatics study contributed mostly to my professional work (3 answers possible)
- Question 2: Which technical and personal knowledge would you recommend to your university to be better represented in the informatics study (3 answers possible)

Source: Stephan Frohnhoff (sd&m): Requirements of Industry to an informatics curriculum (GI conference, Oct. 2008)
Question 1: Looking back, the following lectures / exercises / seminars / side work during my informatics study contributed mostly to my professional work (3 answers possible)
Question 2: Which technical and personal knowledge would you recommend to your university to be better represented in the informatics study (3 answers possible)
Conclusions from guest lectures

Students became more motivated for SE:
• Software engineering is a fundamental discipline of informatics
• Tools are important
• Quality management is an activity accompanying the whole software development process
• Every day life of a software company requires
  - team work,
  - ability to understand a completely new application field,
  - negotiations with customers
  - mobility ...
Assignments
and Tools
Reminder of assignments

- Berlin: 8 assignments
- Novi Sad: 7 assignments
- Tirana: 4 assignments

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<thead>
<tr>
<th>Assignments</th>
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<tbody>
<tr>
<td>1. Review requirements specification “SemOrg”</td>
<td>x</td>
<td>x</td>
<td>x</td>
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<td>2. Function points (Tool)</td>
<td>x</td>
<td>x</td>
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<td>3. Review structured analysis model</td>
<td>(x)</td>
<td>x</td>
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<td>4. Develop an OOA model (Tool)</td>
<td>x</td>
<td>x</td>
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<td>5. Formal specifications (Tool)</td>
<td>x</td>
<td>x</td>
<td>x</td>
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<td>6. Metrics (Tool)</td>
<td>x</td>
<td>x</td>
<td>x</td>
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<td>7. Select test cases functionally by the CTE (Tool)</td>
<td>x</td>
<td>-</td>
<td>-</td>
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<td>8. Select regression test cases by ATOS (Tool)</td>
<td>x</td>
<td>-</td>
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<td>9. Review of a assign solution of another team</td>
<td>-</td>
<td>x</td>
<td>-</td>
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<td>10. Test coverage with SOTA (Tool)</td>
<td>x</td>
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Were you motivated by the assignments?

- Sehr
- Wenig
What about difficulty and extend of assignments?
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How many lectures did you attend (percentage)?

From questionnaire (last lecture)

Estimated
How many hours per week did it take you to solve assignments?

![Bar chart showing the distribution of hours spent on assignments.](chart.png)
How do you consider the amount of knowledge offered in the lectures?
How do you consider the amount of knowledge offered in the lectures?
How do you consider the difficulty of the lectures?
Did you learn a lot of new things?
What is your overall ranking of the lecture?
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