

JCSE at Humboldt University in 2009

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9th Workshop "Software Engineering Education and Reverse Engineering" Neum, Bosnia and Herzegowina, 31 August – 5 September 2009





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





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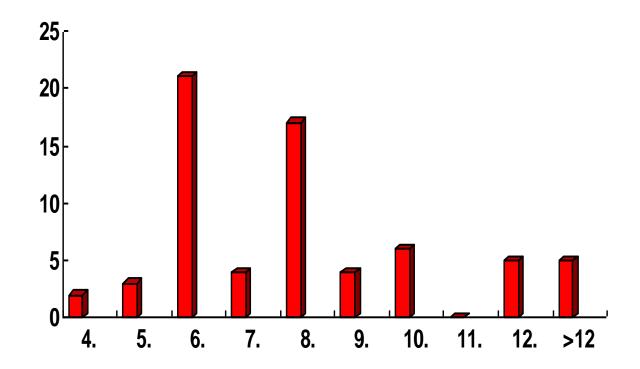


- Enrolled: 69 (62 male + 8 female / 5 foreign students, e.g. Erasmus: Ukraine, Spain)
- 21 teams: most with 3 members (17x3, 3x2, 1x4)
- Participated (at least one assignment): 62
- Attendance in lectures: 50 40 35 30 25
- Accepted for exam (75 % points): 61
- Enrolled for exam: 57
- July (2 weeks after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



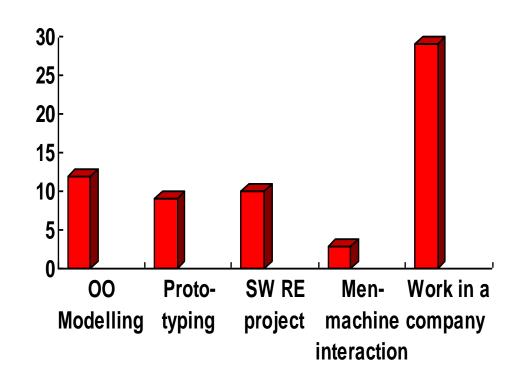
















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Guest lectures

Importance of sub-areas of informatics



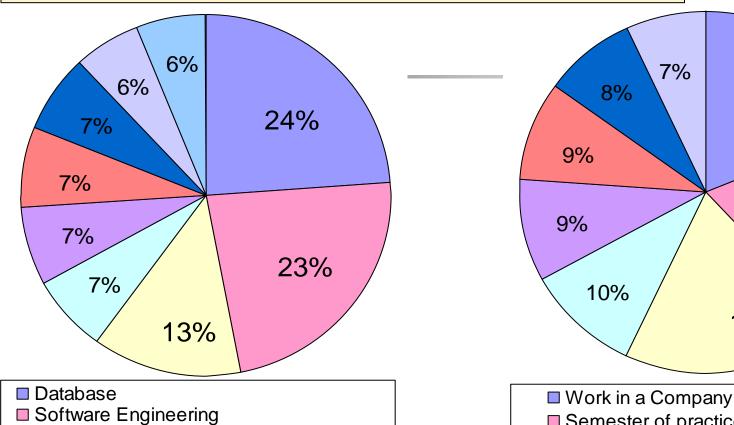
Questioning of young computer scientists working in practice at the German software company Capgemini sd&m (2008)

- 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)

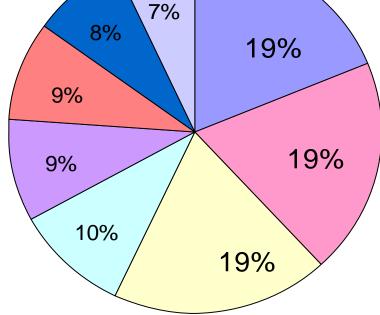
Source: Stephan Frohnhoff (sd&m): Requirements of Industry to an informatics curriculum (GI conference, Oct. 2008)

Question 1: Looking back, the following lectures / exercises / seminars / side work during my informatics study contributed mostly to my professional work (3 answers possible)





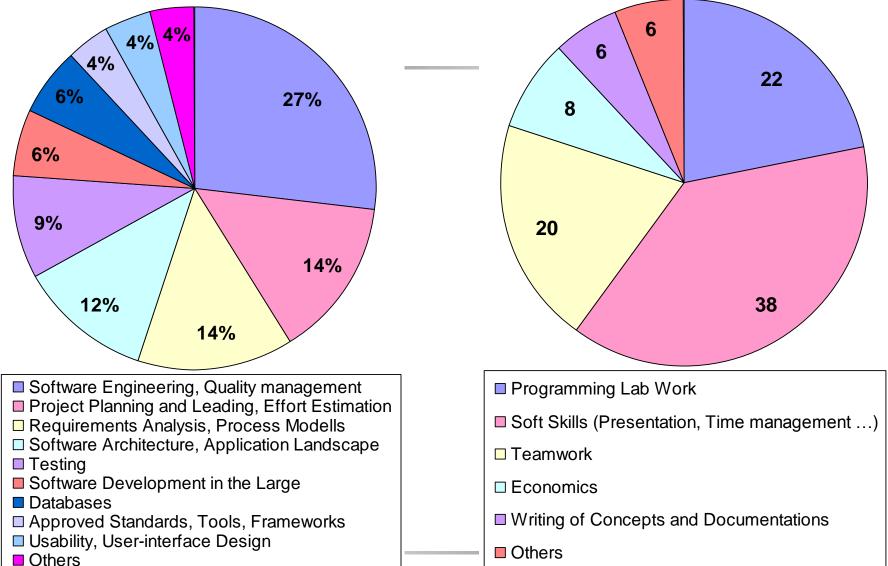
- □ Programming languages
- Algorithms and Data Structures
- Operating Systems, Networks
- Compiler Construction
- Distributed Applications
- Mathematics and Theoretical Informatics
- Basic Studies in Informatics



- Semester of practice
- Work on a Project at University
- Work on a Diploma/Master Thesis
- Project Work as part of Studies
- Knowledge in Economics
- Knowledge about Soft Skills
- Other

 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

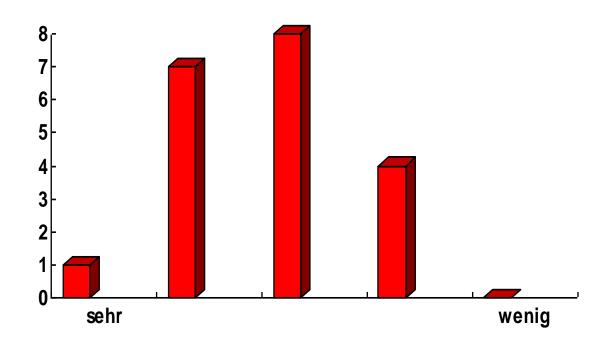
Tirana: 4 assignments

Assignments			HU	NS	TIR
1.	Review requirements specification "SemOrg"		x	x	x
2.	Function points	(Tool)	X	x	x
3.	Review structured analysis model		(x)	X	-
4.	Develop an OOA model	Tool	X	X	-
5.	Formal specifications	(Tool)	X	X	X
6.	Metrics	Tool	X	X	X
7.	Select test cases functionally by the CTE	Tool	X	-	-
8.	Select regression test cases by ATOS	Tool	X	-	-
9.	Review of a assgn solution of another team		-	X	-
10.	Test coverage with SOTA	Tool	X		





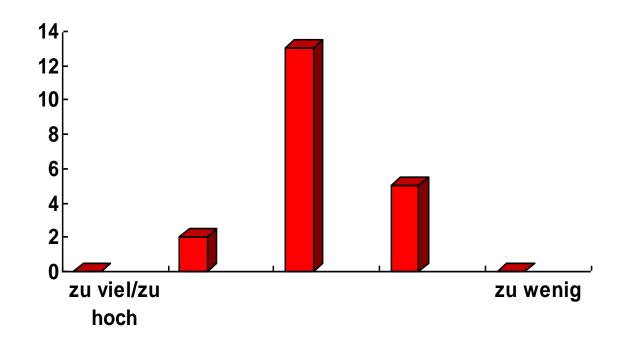








What about difficulty and extend of assignments?



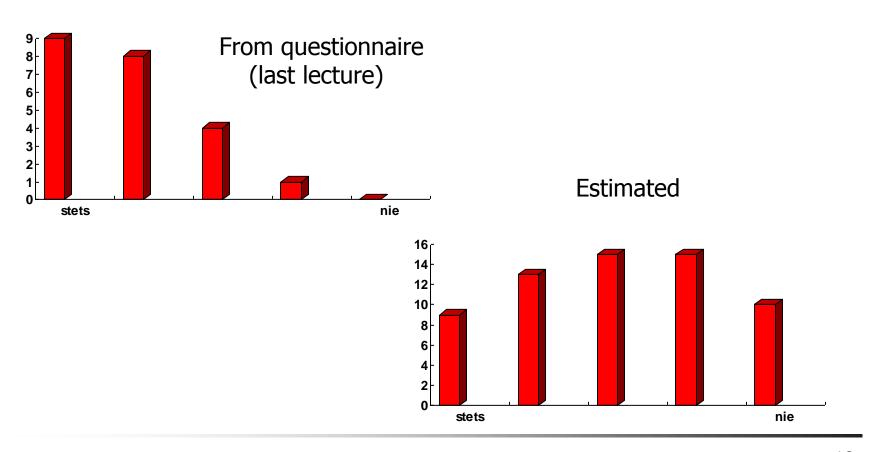




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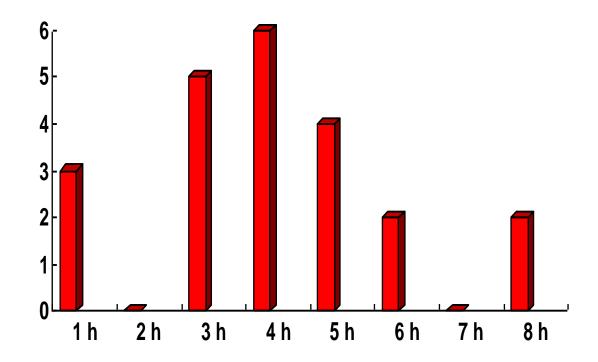








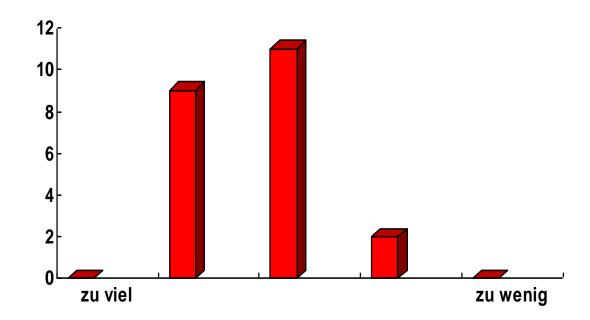
How many hours per week did it take you to solve assignments?







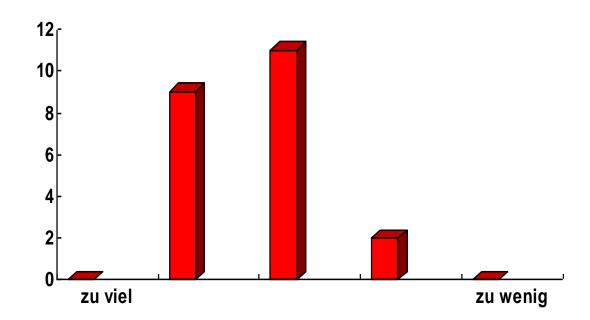
How do you consider the amount of knowledge offered in the lectures?







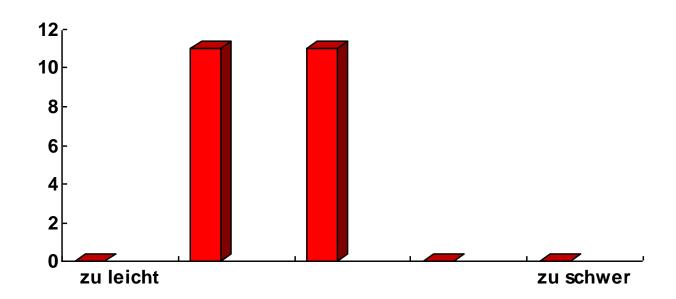
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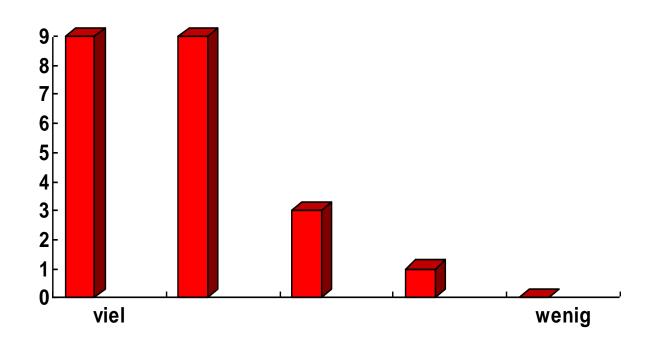


How do you consider the difficulty of the lectures?





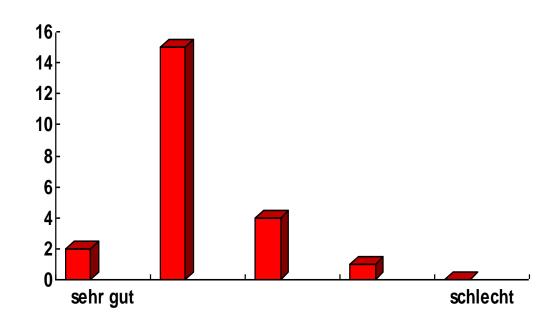
Did you learn a lot of new things?







What is your overall ranking of the lecture?







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