

Talk on TUCaN

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- ▶ Different forms of courses at the TU Darmstadt
- ▶ Different types of courses in TUCaN
- ▶ Live demo of TUCaN

Different forms of courses at the TU Darmstadt

Practical course and seminar



- ▶ Practical course
 - ▶ in a practical course usually an extensive software project is conducted
 - ▶ a precondition is good programming skills
 - ▶ is not done at a company but at a group at the university
 - ▶ optimal work can be conducted in small groups
 - ▶ usually has 6 credit points (CP)
- ▶ Seminar
 - ▶ in a seminar usually one or two papers are read by the students and then summarized and presented in a talk
 - ▶ usually a written report has to be done but sometimes you only have to attend regularly
 - ▶ usually has 3 CP

Different forms of courses at the TU Darmstadt

Practical Lab for Bachelors



- ▶ Practical Lab for Bachelors
 - ▶ the practical lab for Bachelors is a special form of a practical course
 - ▶ here the students have to implement an extensive software project and have to document all steps
 - ▶ to work in a group is mandatory
 - ▶ the projects do either stem from the department of computer science or are from other departments of the university
 - ▶ the practical lab should simulate a real-world software engineering situation (i.e., with an orderer/client situation etc.)
 - ▶ has 6 CP

Different forms of courses at the TU Darmstadt

Lecture and exercise



▶ Lecture

- ▶ most common form in studies
- ▶ often is accompanied by an exercise
- ▶ a professor gives a lecture once or twice a week
- ▶ in the end of the semester or sometimes also during the semester an exam is written from which the grade is decided
- ▶ a lecture can have 3 to 9 CP

▶ Exercise

- ▶ is used to deepen the subject matter from the lecture
- ▶ two forms of exercises
 - ▶ either a research assistant presents the solution (the students have to complete the exercise in advance and then compare their solution against the correct one)
 - ▶ the tasks are fulfilled during the time of the exercise in small groups

Different forms of courses at the TU Darmstadt

Bachelor and Master thesis



▶ Bachelor thesis

- ▶ the Bachelor thesis is the first huge scientific written report a student has to conduct and has 12 CP
- ▶ the duration is 3 month in which often regular meetings take place, in special cases also 6 months are possible
- 1. usually the first part consists of implementing a tool
- 2. the software then is used to perform a certain task, i.e., experiments or similar
- 3. in the end a report about the conducted work is written
- 4. then the thesis is defended against a committee of people who are familiar with the topic

▶ Master thesis

- ▶ the Master thesis is the biggest scientific report a student has to conduct during studies and has 30 CP
- ▶ the structure is the same as with a Bachelor thesis but the workload is much higher
- ▶ the duration is 6 month

▶ Module

- ▶ a module consist of one or more courses
- ▶ in the department of computer science a module always has exactly one course but in other departments of the university this may not be the case
- ▶ the first thing to register for is the module
- ▶ once you have registered for the module you are able to see the accompanying courses

▶ Course

- ▶ a course is a concrete lecture or a practical course or a seminar
- ▶ also has to be registered
- ▶ once you have registered for the course you are able to register for the exam

Different types of courses in TUCaN

Exam and oral examination



▶ Exam

- ▶ usually lasts one or two hours and all subject matters of the lecture are of interest
- ▶ has to be registered during the regular registration period (usually whole december (winter term) or june in the summer term)
- ▶ can be withdrawn until 8 days before the examination
 - ▶ note that the time interval may be different in other departments
- ▶ if you have forgotten to withdraw and you do not appear in the exam it counts as fail
- ▶ more information can be found here:
<http://www.info.tucan.tu-darmstadt.de/studium/anleitung/pruefung>

▶ Oral examination

- ▶ the professor and a research assistant are present and ask questions that the student has to answer
- ▶ same issues hold as for a written exam

Live demo of TUCaN



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