Let’s talk about:

**Interdisciplinary Projects @in.tum**

Thu, Dec 13\textsuperscript{th} 2018
12:00 p.m. – Interim II

**Main target group:**
first year Master of Informatics students new to in.tum

- Not familiar with the regulations such as registration, timeline, submission...?
- Facing problems finding an IDP topic?
- Asking for IDP examples?
- Who is the contact for my supervisor?
Let’s talk about - IDP@in.tum

Advice and examples about the IDP settings and its accomplishment given by our

- academic advisors: Sibylle Roden-Kinghorst, Vivija Simic
- IDP advisors:
  - Kilian Röhner, Informatics 5 - Chair of Scientific Computing (Prof. Bungartz), connected to the Department of Mathematics
- experienced students
  - Bianca Forkel, Maximilian Bandle → IDP in application area of Electrical Engineering
Important facts around IDP

• Mandatory for all Informatic Master students
• Description under module number IN2334
• Worth: 16 credits
• Recommendation: do it in semester 2 and 3
• Registration whenever you like
• Two parts
  – lecture (about 4 weekly hours or 5 ECTS)
  – project
• Final grade is calculated with 30% lecture and 70% project
• Project may be done in cooperation with
  – a department of university
  – a company (start-up)
• In each case supervisor has to be a professor
  – from another department than Informatics or
  – from the department of Informatics with an affiliate membership in another department
Formal aspects

• Registration form:  

• Module description IN2334:  
  https://campus.tum.de/tumonline/WBMODHB.wbShowMHBReadOnly?pKnotenNr=1227810&pOrgNr=14189

• Data needed
  • Application Area: department other than Informatics
  • Theme (German and English): Will be listed on transcript of records
  • Supervisor: professor, member of another department
    • Some professors (http://www.in.tum.de/en/the-department/people-services/affiliate-membership/) from Informatics also belong to other departments
  • Advisor: usually Ph.D. student
  • Lecture (usually with exercises):
    • at least 4 weekly hours per semester or at least 5 ECTS (if less → argue)
    • usually from the chair / department of the professor, but no must
    • no courses out of the list of elective modules from master‘s informatics
    • no seminar, lab course, ...
    • can also be a bachelor‘s course
    • always indicate corresponding module number(s)
  • Distribution of grade calculation lecture : project is fixed by 3:7
  • Project begin: can be any time
Formal aspects, cont.

• Registration form (cont):
  • Anticipated project end: only provisional, no application necessary for changes
  • Signature of supervisor and student(s) – original, no scans
  • Project description:
    • at least 2 pages
    • parts of Informatics and Application Area
    • milestones for the project
    • connection between lecture and project
  • Group of students (usually 2-4) should work on one IDP
    • Clearly distinguish the parts of the project the students work on
    • Grading of the IDP individually for the group members
    • Grading at different times possible (when someone, e.g., fails the lecture)
  • Credits
    • Will be entered as a whole (16) in the grade report only after complete completion
    • Grade for the exam for the lecture is usually entered under additional examinations, not yet counted for the studies
    • Grade calculation 3:7 (lecture:project)
Tips

• Register on time – it has to be approved
  • But registration only possible in the master’s program

• You see it in your TUMonline account once it is approved
  • Supervisor gets an approval letter together with a grade sheet

• Lecture cannot be changed once project is approved

• IDPs in cooperation with companies?
  ➢ The official supervisor of the IDP must always fulfill the criteria above
  ➢ Promising if the supervisors have contact, e.g., spin-off
  ➢ Very difficult if only you have contact – why should the supervisor have an interest?
  ➢ Most important: All persons involved (supervisor, advisor, company contact, student(s)) should meet (at least) once in person to clarify the work
Tips, cont.

• How-To IDP? ➔ on page

• How to search for an IDP?
  Projects on the IDP web page
  http://www.in.tum.de/en/current-students/masters-programs/informatics/interdisciplinary-project/fpo-2012-and-2016/

• Browse the websites of the departments of
  • TUM https://www.tum.de/en/about-tum/departments/ and also
  • of LMU http://www.en.uni-muenchen.de/about_lmu/academics/faculties/index.html
  • Direct contact

• How to accomplish an IDP?
  • Close contact to advisor
  • Milestones, project plan
  • Grade is weighted average of the lecture and the project
    • Pass is possible even if exam is failed
    • Especially exam for lecture can be repeated once if failed
Contact persons

✓ Administrative advice
  • Christina Trenn

✓ Tricky questions concerning approval
  • Christian Herzog (via Christina Trenn)
    as representative of the examination board

✓ General advice
  • Academic advisors Sibylle Roden-Kinghorst, Vivija Simic
Contact in Informatics Department with relation to subject areas

• Business Administration: Prof. Krcmar, Matthias Gottlieb
  http://www.winfobase.de/
• Electrical Engineering and Information Technology: Prof. Baumgarten
  http://www.os.in.tum.de/en/home/
• Mathematics: Prof. Bungartz, Benjamin Uekermann
  http://www5.informatik.tu-muenchen.de/wiki/index.php/Home
• Mechanical Engineering: Prof. Knoll,
  http://www6.in.tum.de/
• Medicine: Prof. Navab, http://campar.in.tum.de/WebHome
Concerns – and how to overcome them?

• Other departments not used to work with international students
• Workload
• Others underestimate the effort
• You underestimate the effort
• Level of support
• Scope of project
• Exploitation
• Deadline
• Different exam culture
Much success with IDP