

Let's talk about:

Interdisciplinary Projects @in.tum

Wed, July 3rd 2019

10:15 a.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: Dr. Sandra Kemler, Sibylle Roden-Kinghorst, Vivija Simic
- administrative inquiries: Christina Trenn
- experienced students/IDP advisors
 - Magdalena Pröbstl, Maximilian Bandle → IDP in application area of Electrical Engineering
 - Raphael Nömmer → TUM school of Management

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)

Formal aspects

- Registration form: http://www.in.tum.de/fileadmin/w00bws/in/2.Fur_Studierende/2.Master_Studiengaenge/1.Informatik/4.Interdisziplinaere
- 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 excercises):
 - 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 of 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
<https://www.in.tum.de/fuer-studierende/master-studiengaenge/informatik/interdisziplinaeres-projekt/fpo-2012-and>
- 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>
- 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_lm/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 , Sandra Kemler, Sibylle Roden-Kinghorst, Vivija Simic

Contact in Informatics Department with relation to subject areas

- Business Administration: Prof. Krcmar <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