

Course

PLSYP - Project Management for System Design Lab

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^ General information

Long name	Project Management for System Design Lab
Approving CModule	XIM_MaTIN
Responsible	Prof. Dr. René Würzberger Professor Fakultät IME
Remarks	The course is offered throughout the winter semester. Participation in PLSYP depends in particular on whether sufficient SYP participants are interested and can therefore not be guaranteed.
Organisation and materials	llu
Level	Master
Semester in the year	winter semester
Duration	Semester
Hours in self-study	120
ECTS	5
Professors	Prof. Dr. René Würzberger Professor Fakultät IME
Requirements	Previous participation in the systems design practicum or equivalent.
Language	German, English if necessary
Separate final exam	No

^ Project

Learning goals

Demonstrate action competence

PLSYP participants (Master students) outline a project assignment as part of a project catalog suitable to be worked on by Bachelor students in the course "System Design Practicum". The assignment is to be formulated as a Power Point one-pager according to a provided template. PLSYP participants demonstrate that they can present the requirements and objectives of a complex project in an appealing way in a very limited space.

PLSYP participants offer at least one remote information session between mid-July and mid-September so that interested SYP participants can learn about the exact task at hand. PLSYP participants thus demonstrate that they can explain and sell their project ideas in detail.

PLSYP participants arrange regular meetings with assigned SYP participants to discuss requirements and progress. PLSYP participants are able to respond comprehensively to detailed questions about requirements, but without prejudging the SYP participants' own technical decisions.

PLSYP participants discuss advantages and disadvantages of different technical designs and implementations with SYP participants. They are able to reach consensus with SYP participants on the desired implementation variant.

PLSYP participants keep an eye on the schedule created by SYP participants, proactively address SYP participants in the event of major deviations, and attempt to identify and eliminate causes (unrealistic planning, unclear requirements, problems with the technical basis, etc.). In this way, they demonstrate that they can reliably perform even repetitive activities in project management.

PLSYP participants attend SYP milestone meetings, especially those in which SYP participants demonstrate their progress. They follow up on the presentations and ask specific questions.

PLSYP participants thoroughly review SYP participants' deliverables (documents and source code). They provide written feedback to the SYP participants, discuss it and check its implementation. In this way, they demonstrate how they can influence the quality of the product without working directly on it.

PLSYP participants provide the SYP module supervisor with an assessment of their SYP team's performance and can justify and defend it. (The actual assessment of the SYP team is ultimately done by the SYP module supervisor for reasons of examination law).

Expenditure classroom teaching

Type	Attendance (h/Wk.)
Practical training	30

Separate exam

Exam Type

discussion (interview) about special issues (szenario, project assignment, literature research)

Details

In a final technical discussion between the PLSYP participant and the SYP module supervisor, the PLSYP participant reports on his or her approach and findings in the delivery of the course.

Minimum standard

