

IT Project Management (ISP)
BIS 1101
Syllabus Winter Semester 2020-2021
Prof. Paul G. Maciejewski

Basic Information:

ECTS Credits: 6(workload 60 contact hours + 120 hours of self-study)
Time (room): Thursday, 09:45-11:15(W1.4.06) and Thursday,12:00-13:30(W1.4.06) or Alfaview
Start: October, 8th
Level: Basic
Prerequisites: None

Complex it projects, e.g. the introduction of a CRM solution, need a clear and logic project management.
In this interactive course we will discuss and train different aspects, especially the steps of an it project.

THIS IS A COURSE PRIMARLY NOT FOR IT SPECIALISTS, THE FOCUS WILL BE ON THE MANAGEMENT VIEW OF AN IT PROJECT!

Many it projects in practice fail because there is no clear understanding regarding the different steps. Many companies, especially small and medium sized organizations, see an it project just from the technological view. This is not enough! In order to be successful other aspects are relevant, too, especially the strategic view, organizational aspects, acceptance of new technologies by the employees. This holistic view of an it project is the base for success in companies.

In detail we will discuss the following steps:

Content/Outline:

- Project preparation
- Analysis
- Diagnosis
- Development of an organizational/technological general concept
- System selection
- Choosing the right introduction strategy
- Pilot field
- Roll out
- cost benefit analysis
- etc.

In this course I will tell you my practical experiences I have made in different IT projects in small and medium sized and big companies.

Furthermore I will give you an overview regarding different new IT technologies (e.g. mobile) especially based on areas of application.

Learning Objectives:

At the end of our course

- students can explain in detail the different steps of an IT project
- you get insight into different problems of an IT project
- you know some instruments how to convince the management of a company to get the money for an IT project
- students know how to be a good project manager.

Teaching and Learning Approach:

My teaching approach is very interactive. This means that students should interrupt me in the class when something is not so clear for them and they need more information. I expect that students should actively participate in every teaching session. The students' active participation will be encouraged by a continuous questioning by the lecturer! After an introduction I will give you every week homework that have to be solved by you in order to fulfill the 120 hours of self-study. The results of your homework will be presented in the following weeks in front of your

colleagues. Students who are more interested in further details of the topics are advised to consider the mentioned literature.

Teaching and Learning Methods:

- Lectures
- Active participation in class discussion
- Presentations
- Self-study

Contributions to Program Goals:

Goals	Contributions	Assessment
Knowledge Students show that they have basic knowledge in it project management	Assessment of the strategic role of it project management methods in companies	Written exam, group-work
Use of information technology	X	X
Critical thinking and analytical competence	Critical discussion of it project management methods	Discussion within class, written exam
Ethical awareness	Ethical challenges to use it project management methods	Class discussion
Communication skills	Problem based approach within class	Class discussion
Capacity for teamwork	Prepare homework	Oral presentations

Instructor:

Prof. Paul G. Maciejewski

Office: W 2.3.13

Office hour: Friday, 15:30-17:00

Literature:

- Dawson, Chr.: Projects in Computing and Information Systems
3rd Edition, Pearson, 2015
- Disque, N.: Project Management, Kindle Edition, 2015
- International Journal of Project Management
- Marchewka, Jack, T.: Information Technology Project Management,
Wiley, 2014
- Schwalbe, Kathy: Information-Technology Project Management,
Course Technology 2018

Grading:

At the end of the semester students have to take a written examination (60 minutes) that covers different aspects of the course. The final mark will be based on the results achieved in this final exam (70%) and the presentations (30%).