Course IT Project Management

Course
      Meets requirements of following modules(MID)
      Course Organization
      Assessment
Course components
      <u>Lecture/Exercise</u>
      <u>Lab</u>

Responsible: Prof.Dr.Yuan

Course

Meets requirements of following modules(MID)

- in active programs
    - Ba TIN2012 IPM
    - <u>Ba TIN2007 IPM</u>

Course Organization

Version	
created	2016-10-03
VID	1
valid from	WS 2012/13
valid to	

Course identifiers	
Long name	IT Project Management
CID	F07_IPM
CEID (exam identifier)	

Contact hours per week (SWS)	
Lecture	2
Exercise (unsplit)	
Exercise (split)	
Lab	2
Project	
Seminar	
Tutorial(voluntary)	

Total contact hours	
Lecture	30
Exercise (unsplit)	
Exercise (split)	
Lab	30
Project	
Seminar	
Tutorial (voluntary)	

Max. capacity	
Exercise (unsplit)	
Exercise (split)	
Lab	14
Project	
Seminar	

Total effort (hours): 150

Instruction language

- German

Study Level

- Undergraduate

Prerequisites

- Practical Informatics
    - Programming
- Software Engineering
    - Principles, Methods and Techniques of Software Engineering

Textbooks, Recommended Reading

- * B. Hindel, K. Hörmann, M. Müller, J. Schmied: Basiswissen Software-Projektmanagement, dpunkt Verlag, 2004.
  * M. Burghardt: Projektmanagement – Leitfaden für die Planung, Überwachung und Steuerung von Entwicklungsprojekten, Publicis Verlag, 2002. * A.J. Schwab: Managementwissen für Ingenieure: Führung, Organisation, Existenzgründung, Springer-Verlag, 2003. * W. Mellis: Projektmanagement der SW-Entwicklung: Eine umfassende und fundierte Einführung, Vieweg Verlag, 2004.

Instructors

- Dr. Basten (Lehrbeauftragter)

Supporting Scientific Staff

- Dipl.-Ing. Henk

Transcipt Entry

IT Project Management

Assessment

Type	
wE	written exam
oE	oral exam, structured interrogation

Total effort [hours]	
wE	10
oE	10

Frequency: 2/year

Course components

Lecture/Exercise

Objectives

Contents

- Overview of project management tasks
  - Notions and definitions; List of typical activities during the process of project definition, planning, control and termination.
- Planning
  - Plan the project structure; Define work packages; Define the timeplan; Using charts and tables; Plan the resources
- Workload estimation
  - Basic Models, Function-Point-Method, CoCoMo-Method.
- Controlling
  - Methods and techniques for the monitoring of deadlines, resource, development and progress of the project tasks; project reporting; methodologies of project controll and risk management.
- Start and termination
  - Methods and techniques of requirement analysis; Variants of structural and process organization; Procedure of project definition; Final analysis and reflexion; Procedure of project closure.
- Human resource management
  - Techniques for motivating people; Theory and praxis of team works and leadship; Communication and negotiation; Strategies for conflict management; Techniques for leading and guiding.
- Management techniques
  - Techniques for creativity; Techniques of analysis; Techniques for communication

Acquired Skills

- Application of the mehtods and techniques of project management in a real world problem

- Carry of the complete steps in the planning, control, management and accomplishment of an IT project

Additional Component Assessment

- none

<u>Lab</u>

Objectives

Contents

- same as in the Lecture session
- Methods for the implementation and management of an IT project

Acquired Skills

- same as in the Lecture session
- acquire all the skills necessary for the implementation and management of an IT project

Additional Component Assessment