Syllabus for

Academic year 2011/2012 >

IBB135 - Project management

Syllabus adopted 2009-02-24 by Head of Programme (or corresponding)
Owner: MPSCM
7,5 Credits
Grading: TH - Five, Four, Three, Not passed
Education cycle: Second-cycle
Major subject: Industrial Engineering and Management
Department: 45 - TECHNOLOGY MANAGEMENT AND ECONOMICS

Course round 1

Teaching language: English
Minimum participants: 20
Maximum participants: 90

Credit distribution

Course module	Sp1	Sp2	Sp3	Sp4	Summer course	No Sp	Examination dates
0104 Examination 7,5 c Grading: TH		7,5 c					Contact examiner

In programs
ITIDM INTELLIGENT SYSTEMS DESIGN, Year 2 (elective)
MPDES INDUSTRIAL DESIGN ENGINEERING, MSC PROGR, Year 2 (elective)
MPEPO ELECTRIC POWER ENGINEERING, MSC PROGR, Year 2 (elective)
MPIES INTEGRATED ELECTRONIC SYSTEM DESIGN, MSC PROGR, Year 2 (elective)
MPISC INNOVATIVE AND SUSTAINABLE CHEMICAL ENGINEERING, MSC PROGR, Year 1 (elective)
MPQOM QUALITY AND OPERATIONS MANAGEMENT, MSC PROGR, Year 2 (elective)
MPSCM SUPPLY CHAIN MANAGEMENT, MSC PROGR, Year 2 (elective)
MPSES SUSTAINABLE ENERGY SYSTEMS, MSC PROGR, Year 2 (elective)

Examiner:
Univ lektor Per Svensson

Course round 2

Teaching language: English
Minimum participants: 20
Maximum participants: 90

Credit distribution

Course module	Sp1	Sp2	Sp3	Sp4	Summer course	No Sp	Examination dates
0104 Examination 7,5 c Grading: TH				7,5 c			Contact examiner

In programs
ITIDM INTELLIGENT SYSTEMS DESIGN, Year 2 (elective)
MPBDP ENTREPRENEURSHIP AND BUSINESS DESIGN, MSC PROGR, Year 1 (elective)
MPDES INDUSTRIAL DESIGN ENGINEERING, MSC PROGR, Year 1 (elective)
MPEPO ELECTRIC POWER ENGINEERING, MSC PROGR, Year 2 (elective)
MPISC INNOVATIVE AND SUSTAINABLE CHEMICAL ENGINEERING, MSC PROGR, Year 1 (compulsory elective)
MPPDE PRODUCT DEVELOPMENT, MSC PROGR, Year 1 (compulsory elective)
MPSES SUSTAINABLE ENERGY SYSTEMS, MSC PROGR, Year 1 (elective)
TKDES INDUSTRIAL DESIGN ENGINEERING, Year 3 (compulsory elective)

Examiner:
Univ lektor Per Svensson

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Eligibility:

For single subject courses within Chalmers programmes the same eligibility requirements apply, as to the programme(s) that the course is part of.

Course specific prerequisites

Managerial Economics TEK255 or equivalent

Industrial Management TEK250 or equivalent

Aim

The course aims to impart a knowledge of project-work, i.e. the organisation leadership and control of project activity. The course also aims to prepare the student for participating in project-related work. This will be achieved by practising skills in communication and group dynamics. It deals with issues such as general knowledge on what is meant by a project and when project organisation can/should be used, project leadership, various approaches for organisation of projects, project start-ups, project evaluation, etc. It provides insight into group interaction theory as well as skills training in the subject. The course encompasses both practical and theoretical components.

Learning outcomes *(after completion of the course the student should be able to)*

At the end of the course students will be able to:

- Describe basic project management concepts and tools
- Apply project management theories to analyze the specific characteristics of industrial projects and based on this suggest appropriate ways to manage the projects.
- Frame, analyze and solve managerial problems in project settings using appropriate literature.
- Use literature to critically evaluate project management models.
- Structure and organize projects of a not too complicated nature.

Content

The course is about managing projects. This means that the course contains general knowledge on project management and reflects such knowledge in contingences occurring when dealing with projects in technology-based firms. The following themes could be identified in the course's subject area:

- Organizing projects and organizational characteristics.
- Project leadership and learning.
- Project planning and control.

Organisation

The course has three main components: lectures, literature seminars, and a project work performed in groups. The literature seminars requires active participation and preparation. The project work in groups is an assignment to describe and analyze a real life business project.

After the lectures on basics in project management there will be a test assessing the basic knowledge on project management.
In the home exam theory and practical knowledge should be integrated and various theories reflected against each other.

Literature

The course literature will be decided at the start of the course.

Examination

Grades are based on the evaluation of hand-ins during the course including the project work, two written examinations (a test of book knowledge and a home exam) and participation in compulsory activities (literature seminars and project work presentations).