



T-803-VERK PROJECT MANAGEMENT AND STRATEGIC PLANNING

8 ECTS

Year of study: 4th year (1st year MSc).

Semester: Spring.

Level of course: 4. Second cycle, introductory.

Type of course: Elective. *Recommended elective for MSc Engineering Management and MSc Financial Engineering.*

Prerequisites: Students enrolling in this course must have successfully completed a basic managerial course e.g. understand the basics of management.

Schedule: Runs for 12 weeks - 6 teaching hours a week.

Supervisor: Þórður Víking Friðgeirsson.

Lecturer: Þórður Víkingur Friðgeirsson.

Learning outcome:

Knowledge

1. To understand the project system – projects, portfolios, programs and governance.
2. To understand the principles of traditional and Agile project management as discipline.
3. Learn to apply the tools, methods and techniques of project management and related disciplines in context of diagnosing, preparing, planning, executing, controlling, changing and closing a project.
4. Learn to place projects within organizations in context of organizational behaviour and the project lifecycle.
5. To understand the Lean movement in projectized industries.

Skills

1. To be able to work with the holistic project philosophy of projects, portfolios, programs and governance.
2. To be able to lead project preparation and execution in teams.
3. To be able to participate in teams in a productive and positive manner.
4. To be able to communicate results and other relevant information in a project.
5. To be able to prioritize and select options from point of rational thinking.

Attitude

1. To understand and respect the value of professionalism and integrity.
2. To understand the value of authentic leadership.
3. To appreciate logical and normative approach in conjunction with social skills.

All course descriptions may be subject to change. Revised information on the course schedule, reading material, teaching and learning activities, and assessment methods will be introduced in the learning management system Canvas at the beginning of the semester.



Content: The use of projects and project management continues to grow in our society and its organizations. We are required to achieve goals through and objectives in projectized organizations. Research indicate that more than third of the work in a developed society are consumed by projects. Arguably projects and project management is the single form of management impacting most business in any form. Furthermore, project management as a discipline has been enhanced by the embedding of other scientific fields like the Agile and Lean approach, the modern team-based approach, etc.

This course of project management is designed to reflect the immense development in the discipline of project management and how it has progressed to be a world-wide profession. The course moves from basic theory to practical application, allowing students to expand their knowledge base by “learning by doing”. The classroom activities include both the traditional lecture approach along with *problem-based learning* techniques where students solve cases in teams.

Keywords: Project management, Projects portfolios, Program management, Agile movement, Lean management, Project governance, research-based assignment.

Reading material: *Project Management-The Managerial Process*, Larson & Gray, 6th edition, McGraw-Hill, 2014.

Teaching and learning activities: The course is designed so that the concepts covered in the readings are reviewed in class through a combination of lectures, class discussions and case studies. *Your ability to learn during this course will depend upon your understanding of the text and readings, an open and active participation during class, and your thoughtfulness in preparing for class.*

Assessment methods: To be announced.

Language of instruction: English/Icelandic.

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