

The Hebrew University of Jerusalem

Syllabus

PROJECT MANAGEMENT IN THE INDUSTRY EXERCISE - 71448

Last update 01-05-2019

HU Credits: 4

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Biochemistry & Food Sciences

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Rehovot

Course/Module Coordinator: Sigal Cohen Ogen

Coordinator Email: sigalogen@gmail.com

Coordinator Office Hours:

Teaching Staff:

Ms.

Mr.

Course/Module description:

The project management course provides a framework and tools for leading and promoting successful projects in organizations. The course will examine different types of projects, combining management style and transportation. The course focuses on project management as it exists in the industry, during which work processes will be examined in different content worlds

Course/Module aims:

- Knowledge of the structure and processes involved in the project.
- Knowledge of unique terminology for the world of project management.
- Familiarity with project management tools
- Knowledge of the world of projects - in the business world in general and in the industrial world in particular
- Practical practice of project management tools

Learning outcomes - On successful completion of this module, students should be able to:

- Preparing students for entry into the world of industrialization
- Recognition and understanding of project management through key theories and methodologies in the field, as well as familiarity with the life cycle of projects and the management processes required to achieve business success.
- Developing critical thinking about managerial and leadership issues in the context of project management and examining different events in different perspectives in order to identify preferred management and control processes.
- Knowledge of the world of concepts and the need for innovation in advancing advanced and innovative projects
- Preparing students to understand how organizations operate and promote projects.

Attendance requirements(%):

80% of the lessons (first&second semester)

80% of working days in factories (second semester)

Teaching arrangement and method of instruction: First Semester:

- Lecture
- Classroom practice
- Practice - home task

Second semester

- practical work
- Peer study sessions

Course/Module Content:

Introduction to the world of projects and knowledge of basic concepts:
Life cycle, waterfall model, Agile model, constraint theory, supply chain and success factors and project failure.

Detailed knowledge of the project life cycle and its stages; Milestones; Criteria for the transition between stages; How was a project born?

Project planning - defining goals; Definition of project content; Project documents - Specification/

Scope of Work

QFD / project design, feasibility study, pre-project, selection of alternatives

Continuing the planning stage: project scheduling - network diagram, schedule creation (Gantt), early and late scheduling, critical path, PERT method,

Guest lecture (from industry)

Project Budget - Cost Estimation, Cost Allocation, Budget baseline

The Project Manager's Rules and Responsibilities - Project Management Ethics;

Project Management Leadership

Project personnel, project team development, project team motivation, R & R matrix

Communication management - communication channels in the project, communications matrix, communication methods and procedures in the project
Monitoring and control of projects - when do you plan?

Project progress control - control sessions, definition and management of milestones, Gant Tracking, EVM method

Guest lecture from industry

Risk management and project opportunities

Manage time and resource intervals under constraints and uncertainty

Change Control Management

Organizational structures in project management - project structure, matrix structure, weak matrix / strong matrix

Project quality management - quality methods, quality of project management, project quality plan

Project quality management

Stage of closing the project - Completion and delivery of the project

Research of the project (success and failure) - Lessons learned

Examining projects according to the triangle of constraints

Examining the difference in project management and various sectors: veteran

companies, startup, technological, food industry, academia, agriculture, medical industry and more

Required Reading:

Will be given during the semester

Additional Reading Material:

Course/Module evaluation:

End of year written/oral examination 0 %

Presentation 70 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 0 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 30 %

Evaluation of employer-mentor

Additional information: