**Course Title: Operations Management**

Course Number: 098710

Number of credit points 2

Mini-Semester: 4 of the Academic Year: 20**20**/2021

Time: (Day & Hour) Thursday 14:00-17:45

**Course Instructor: Prof. Assaf Avrahami**

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Meeting times for students: by appointment

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Meeting times for students: by appointment

**Syllabus:**

 **Course Objectives:** Presentation and analysis of approaches, techniques and tools used in Operations Management.

**Course Content & Scope:** Operations is concerned with the logistics of how to transform resources into products and services. Operations Management is the analysis required to meticulously model each operation and finding the right method to fit this model. The objective of operations management is that products and services will be provided efficiently and profitably on one hand and to the customer's satisfaction on the other.

**Teaching Methods:** Lectures, case studies, individual presentations, teams’ reports and presentations, class discussions.

**Teaching Materials:**Slides will be distributed

**Readings (Recommended):**

Shtub, A., and R. Karni, *ERP: The Dynamics of Supply Chain and Process Management*,Springer, 2011.

*Case studies that will be published on MOODLE*

**ATTENDANCE**

All students are expected to attend all classes. Missing a class means missing part of the course. Necessary absences and tardiness must be discussed with the instructor and approved in advance.

Missing a class without prior approval may be penalized by decrease in the final course grade.

Each student should attend the class with sign of his printed name.

**Student Assessment:**A group assignment that includes reports and presentations (Assignments are performed by teams of 3-4 students).

**Course Plan
Lesson 1.** Introduction to Operations management
**Lesson 2.** Organizations and processes

Presentations of existing processes
**Lesson 3.** Information and its use
Presentations of existing processes
**Lesson 4.** Supply chain management the customer interface and scheduling issues
Presentations of existing processes
**Lesson 5.** Supply chain management processes and selected case study Presentations of existing processes

**Lesson 6.** Waste management and service systems

Presentations of existing processes

**Lesson 7.** Final process design, Summery and presentations

Presentations

**Assignments**

**Case study analysis**

Each team of 3-4 students will submit an analysis (1-2 pages) that will be based on a case study that will published after lesson 4. Submission due date is before lesson 5 (midnight)

The grade for this submission **will be 10%** of the final grade.

**Waste analysis**

Each team of 3-4 students will submit a proposal (1-2 pages) to improve the total waste management for a process that will presented in the class (lesson 6). Submission due date is before lesson 7 (midnight).

The grade for this submission **will be 10%** of the final grade.

**“Existing process“ presentation**

Each team of 3-4 students will select a process.

students will select a process that they are familiar with and present it to the class. The case will be presented **in 15 minutes**. The presentation will focus on the process and on what could have been done to improve the process.

presentations are possible each week from week 2 to week 6. Students can register for presentation by link that will be available on Moodle. There will be a limited number of presentations slot every week.

The grade of this presentation **will be 10%** of the final grade.

Part of the grade will be based on a feedback from the class.

**“New process” design final project and presentation**

Each team of 3-4 students will design a process from scratch.

Each team will present the process during the last meeting. Each presentation will be **exactly 15** minutes. Presentations longer than 10 minutes will get a lower grade.

Part of the grade will be based on a feedback from the class.

The grade for this presentation **will be 10%** of the final grade.

Each team will submit a detailed report on the process designed, **a week** after the last class meeting. The report should be no longer than 20 pages, including all appendices, tables, figures, etc.

**The report will be divided into chapters (2-3 chapters) and the name of the team member who wrote each chapter will be presented next to the title of the chapter.**

The grade for this submission **will be 60%** of the final grade.

Evaluation of presentations and reports

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| --- | --- |
| Criterion | Maximum Possible Points |
| 1. Organization and Clarity
 | 10 |
| 1. New knowledge and insight provided
 | 30 |
| 1. Application of knowledge discussed in the class
 | 20 |
| 1. Significance of conclusions
 | 20 |
| 1. Discussion and effective answers to questions
 | 20 |