

University of Haifa
Human Resource Management
Internet Technologies in Organizations
(18:00 – 21:00)
Course number: 209.6613
Instructor: Ossi Mokryn
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Course Overview and Objectives

It is difficult to imagine modern life without communication between computers, and of course - the greatest wonder known as "Internet" - a tremendous change brought with digital communication into our lives.

The purpose of this course is to understand the magic. How can information that is stored on one computer, suddenly pop up on another computer? What are the key mechanisms in this world? How do they impact organisational work?

The course reviews the basic concepts in Internet technology, such as networks, protocols, client-server model, HTTP, DNS, IP, data centers, clouds. The course's aim is to enable the students to gain full understanding of the Internet mechanisms that drive our social and economical world. After taking this course the students will become Internet savvy and will have a fundamental understanding of the main concepts.

Open discussions and questions in class on anything that is of interest to you is part of the spirit of the course. Subjects extending the basic curriculum that are discussed in class are not in the material needed for homework and exam.

The course, to some extent, uses slides and information from the book

Computer Networking: A Top-Down Approach / James F. Kurose and Keith W. Ross (6th edition preferred)

No prior knowledge is needed or assumed

Methodology

Lectures are given in Hebrew, using slides that are in English. The purpose is twofold: familiarize the students with the technical terminology, and with the style in the textbook.

Lectures are supplemented by in-class discussions

Grades

Class Participation: 5%

1 homework 20%

Final work: 75%

Attendance policy is defined by the program's requirements

Homework

Submission is allowed and even encouraged *in pairs*, to promote collaboration between the students. Please do not split the work but rather work on it together. The final exam is given under the assumption you have thought yourself on each and every exercise given in the homeworks.

Submitting Homeworks:

All homeworks must be submitted via the Moodle system.

Additional Material

Computer Networking: A Top-Down Approach / James F. Kurose and Keith W. Ross (6th edition preferred)

Final work

Will be given at the last week

Schedule:

Date	Topic
19/12/17	Introduction – Client-Server Paradigm
26/12/17	Application layer and Transport Services



2/1/18	IP
9/1/18	Digital information in organizations - Invited lecturer, Mr. Hadar Miller
16/1/18	IP - cont
23/1/18	Social networks - introduction
30/1/18	Social networks - topics
6/2/18	Social networks - discussion