Course program and reading list
Semester 2 Year 2021

School: Efi Arazi School of Computer Science B.Sc

Workshop: Projects with the Industry and Academia

Lecturer:
Prof. Anat Bremler-Barr bremler@idc.ac.il

Tutors:
Mr. Michael Czeizler czeizler.michael@post.idc.ac.il

Teaching Assistant:
Mr. Michael Czeizler czeizler.michael@post.idc.ac.il

Course No.: 3166
Course Type: Elective
Weekly Hours: 3
Credit: 3

Course Requirements:
Final Paper
Group Code: 212316601
Language: Hebrew

Prerequisites

Prerequisite:
52 - Calculus I
53 - Calculus II
54 - Linear Algebra I
55 - Linear Algebra II
56 - Discrete Mathematics
59 - Data Structures
69 - Logic And Set Theory
77 - Algorithms
Course Description

The course introduces the fundamentals of computer science and programming, focusing on making students familiar with the basics of the field. Students will learn about computer hardware and software, algorithms, data structures, and software development processes.

Course Goals

The main goal of this course is to make students familiar with the fundamentals of computer science and programming. Students will learn about computer hardware and software, algorithms, data structures, and software development processes.

Grading

The courses are graded based on the following:

Product requirements – 10%
Technical design and workplan – 25%
Presenting development status – 5%
Project – 50%
Presenting in course demo day – 10%

Must submit a working project in order pass the course

Reading List

You can refer to the following list of recommended books:

417 - Introduction To Computer Science