



Course program and reading list

Semester 0 Year 2024

School: Arison School of Business B.A

analytics-based internship

Lecturer:

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Course No.:	Course Type :	Weekly Hours :	Credit:
3309	Lecture	8	8

Course Requirements :	Group Code :	Language:
No Final Assignment	240330900	Hebrew

Prerequisites

Equivalent:

3181 - accessing data II - big data and distributed systems
3497 - machine learning methods II - deep learning
3873 - analysis of social networks

Prerequisite:

2008 - analytics-based project

 Course Description

Students partaking in the internship are split into teams (of ~3 participants, each). Each

team is assigned a project commissioned by a company. The objective(s) of each such project is providing insight, recommendations, or answers to a real issue the company is facing. The team is expected to become acquainted with the relevant field, study and analyze the problem and then apply advanced data science tools in order to come up with the required answers and insights. Students, with assistance from their academic supervisor and a liaison assigned by the company, are expected to study the problem, decide the required steps, timeline, and milestones. Then, execute those steps and bring the project to completion. Students are expected to work within the given time constraints, meet deadlines and produce intermediary products (such as reports, working papers, presentations, etc.) Ultimately, each of the teams is expected to present its findings and conclusions. The experience allows students to synthesize the knowledge gained through their studies and apply it in a real-world environment. Students are expected to handle the tasks as autonomously as possible. The academic supervisor and company liaison are there to provide assistance, when needed.



Course Goals

Provide participants with a hands-on experience of partaking in an analytics-based project in industry settings, thereby boosting participants' knowledge and skills required for dealing with industry standard data-science projects and strengthen their understanding of what such projects entail and how they are managed and run.



Grading

Grading is based on the outcomes, as defined for each project. Such outcomes may include, but are not limited to, milestone reports and working papers, code, and presentations. The required outcomes are set according to projects' characteristics and may vary between different projects.

In addition, the students are expected to submit plans and reports and to hold presentations, throughout the year, as part of their academic duties. These academic assignments will be graded as well, and will also be used as a basis for the final grade.

Finally, the grading will be based on evaluations of the submitted assignments, presentations, and evaluations collected from the company's reps.



Reading List

Reading material will be defined for each project, and will be set according to the project's needs.