



## *The Hebrew University of Jerusalem*

### *Syllabus*

## *Data Analytics Competition - 55734*

*Last update 24-10-2019*

*HU Credits: 3*

*Degree/Cycle: 2nd degree (Master)*

*Responsible Department: Business Administration*

*Academic year: 0*

*Semester: 1st Semester*

*Teaching Languages: English*

*Campus: Mt. Scopus*

*Course/Module Coordinator: Prof Nicole Adler*

*Coordinator Email: [msnic@huji.ac.il](mailto:msnic@huji.ac.il)*

*Coordinator Office Hours: Monday 14:00-15:00*

*Teaching Staff:*

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Prof Nicole Adler  
Prof Lev Muchnik

Course/Module description:

Student teams are given the same business problem, data sets, and access to software to solve a challenging problem using an OR/analytics approach. A panel of industry and academic experts judge written submissions based on teams' use of the full analytics process, from framing the problem to methodology selection, data use, model building and innovation. Teams selected as finalists present their solutions to a judging panel at the INFORMS Business Analytics Conference in April, with the winners announced at the conference.

Course/Module aims:

1. Gain practical experience in taking a business problem and solution through the complete OR/analytics decision process.
2. Work on a real business problem, of critical importance to the company serving as Title Sponsor.
3. Demonstrate skills in organization, teamwork, communication, and presentation.
4. Win valuable prizes and bragging rights for your CV!

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

At the end of the course students should be able to formulate a decision problem as a mathematical model, solve by using an appropriate software and present their results convincingly to their colleagues.

Attendance requirements(%):

Teaching arrangement and method of instruction: Meetings and discussions

Course/Module Content:

Mathematical modeling, Solution algorithm development, programming, analyzing results, writing up case, presenting outcome

Required Reading:

To be written in Moodle syllabus.

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Additional Reading Material:

Course/Module evaluation:

End of year written/oral examination 0 %

Presentation 20 %

Participation in Tutorials 20 %

Project work 40 %

Assignments 20 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information: