

## *The Hebrew University of Jerusalem*

### *Syllabus*

## *Yeah right...Skeptical thinking for the information age - 77785*

*Last update 07-08-2019*

*HU Credits:* 2

*Degree/Cycle:* 1st degree (Bachelor)

*Responsible Department:* Physics

*Academic year:* 0

*Semester:* 2nd Semester

*Teaching Languages:* Hebrew

*Campus:* Mt. Scopus

*Course/Module Coordinator:* Prof Guy Ron

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

*Coordinator Office Hours:* By appointment

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Teaching Staff:

Prof Guy Ron

Course/Module description:

The world we live in is filled with information. A large fraction of it is wrong, inaccurate, or misleading. During this course we will learn to navigate this information overload and identify when we are being misled, how cognitive biases work, and how to choose our information sources.

Course/Module aims:

Our aim in this course is to teach you how to think critically about the data and models that constitute evidence in the social and natural sciences.

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

Our aim in this course is to teach you how to think critically about the data and models that constitute evidence in the social and natural sciences.

Attendance requirements(%):

100

Teaching arrangement and method of instruction: Lecture

Course/Module Content:

Choosing information sources  
Misleading statistics  
Correlation and Causality  
Cognitive Bias  
Visualization  
Fake News  
Science and Pseudoscience

Required Reading:

None

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Additional Reading Material:

Course/Module evaluation:

End of year written/oral examination 0 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 100 %

Assignments 0 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information: