

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

Coordinator Office Hours: By appointment

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:

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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

Additional Reading Material:

Grading Scheme:

Additional information: