



The Hebrew University of Jerusalem

Syllabus

FROM INDUSTRIAL TO DIGITAL SOCIETY - 71273

Last update 14-01-2025

HU Credits: 2

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Agricultural - Special Program

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Rehovot

Course/Module Coordinator: prof. Oded Heilbronner

Coordinator Email: oded.heilbron@mail.huji.ac.il

Coordinator Office Hours: Monday 12-11

Teaching Staff:

Prof. Oded Heilbronner

Course/Module description:

How technological change in the West has been driven by the pursuit of improvement: a history of the industrial revolution and technology, from plows and printing presses to penicillin, the atomic bomb, the computer and the 3 d printing.

Course/Module aims:

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

understanding the cultural origins of the present technological world

Attendance requirements(%):

None

*Teaching arrangement and method of instruction: Lecture and discussion
Bringing one subject to each class with visual articles dealing with that subject*

Course/Module Content:

as in Hebrew

Required Reading:

*ERIC SCHATZBERG, Technology: Critical History of a Concept, 2018, chp. 10-13
"Introduction" Robert Friedel, A Culture of Improvement. Technology and the Western Millennium*

Additional Reading Material:

*Encyclopedia of European Social History, Vol. II, pp.51-66 ("The Industrial Revolution")
"Introduction" Guy Ortolano, The Two Cultures Controversy, Cambridge, 2013
C.P. Snow, The Two Cultures, London, 1959, chp.11
David Crowley (ed) Communication in History. Technology, Culture, Society, London, 2015, chp.2-3
Melvin Kranzberg (ed) Technology and culture : an anthology , (second edition),2016*

Melvin Kranzberg (ed) Technology in Western civilization Vol. I (new ed. 2016)
Slack,daryl,Kennifer (ed) Culture and Technology: A Primer,2015, pp.5-13

Grading Scheme:

Essay / Project / Final Assignment / Home Exam / Referat 100 %

Additional information:

Final grade-home assignment

beneficial grade (if will be approved by the faculty)