

תכנית הקורס / Syllabus

אתיקה במחקר מדעי	שם הקורס	.1
Ethical aspects of scientific research (“ <i>In scientia veritas</i> ”)	Course name	
0103.6000.01	מס' הקורס	.2
0103.6000.01	Course number	
ב'	סמסטר	.3
B	Semester	
5 x 2 שעות	מספר שעות	.4
5 x 2 hours	Hours	
הרצאות פרונטליות	אופן ההוראה	.5
Frontal lectures	Course type	
פרופ' אדגר פיק	מורים	.6
Professor Edgar Pick, M.D., Ph.D.	Teachers	
	תוכן הקורס	.7

Course content

This Course meant for M.Sc. students in the Adelson Graduate School in the Faculty of Medicine who are engaged in research work of experimental or theoretical nature for their thesis.

The Course not intended for students of the School of Public Health and Health Professions because the emphasis is on the ethical aspects of research performed in laboratories (“at the bench”). The Course relates the ethical aspects of scientific research to “General Ethics” and to the philosophical, psychological, and legal backgrounds of ethical behavior. The principal (but not the only) themes discussed in the Course are:

- General ethics and research ethics – Are they different?
- Scientific reasoning and everyday reasoning
- The language of science
- Scientific truth and scientific freedom (error and fraud; the preventive medicine of misdemeanors in science; “Crime and Punishment”; whistle blowing)
- Scientific reporting
- Judging the work of others (peer review)

- Impact factor, h-index, and other quantitative measures of judging the quality of the publication output of individual scientists
- Communicating science to the lay public (talking about science: to whom, when, how, when not, and how not)
- Credit and priority
- Mentoring and learning
- Teaching research versus teaching science
- Mentor – student relationship
- Over and under-supervision
- Research: vocation or career
- In praise of the individual scientist
- Assessing the quality of research
- A code of behavior for scientists
- Conflict of interest
- The money: the blessing and the curse
- The science oligarchs and entrepreneurs
- Science prizes and other honors
- The rush to practical applications (from “publish or perish” to “patent and prosper”)
- Should universities be run as businesses?
- Can ethical behavior in research be taught?

Modest-sized reading material offered on line.