COURSE DESCRIPTION

ACADEMIC CENTER **SCHOOL OF MEDICAL SCIENCES**	DEPARTMENT **PATHOLOGY AND LABORATORIES**		
COURSE NAME **ETHICS IN RESEARCH**	**(X) CORE COURSE** ( ) OPTIONAL COURSE	HOURS 30	CREDITS 2

PROGRAM / PROJECT NAME **PHYSIOPATHOLOGY AND SURGICAL SCIENCES** Key Focus Area: Urogenital System Operative technique and Experimental Surgery	DISTRIBUTION OF HOURS		
	TYPE OF CLASS	HOURS	N. OF CREDITS
	THEORETICAL	30	2
	PRACTICAL		
	TOTAL	30	2

PREREQUISITES	(X) Master's program course (X) Doctorate's program course

COURSE DESCRIPTION

Until relatively recently, the ethical principles that guided scientific research were learned when working with a supervisor or mentor, observing their conduct regarding ethical issues. This informal way of learning still exists and is has a significant importance in the formation of the researcher. From the late nineteenth century, however, science has expanded greatly, becoming a complex activity and establishing a deep inter-relationship with society. Thus, more comprehensive issues related to the responsibilities of the researcher and the social repercussions of his/her work were added to the concerns of quality inherent to scientific research. Therefore, it is recommended, and even necessary, that the new researcher receives a more formal and structured introduction to the ethical bases of research activity. This course addresses these needs, comprising the following topics: 1) Social context of science. 2) Experimental techniques and data processing. 3) Special case: the digital data processing. 4) Values in science. 5) Conflicts of interest. 6) Published and unpublished information. 7) Giving credit. 8) Authorship criteria. 9) Duplicate publication. 10) Plagiarism. 11) Error and negligence in science. 12) Misconduct in science. 13) Responding to violations of ethical principles.

BASIC BIBLIOGRAPHY

1. Nagel E: The structure of science. Problems in the logic of scientific explanation. Routledge & Kegan Paul, London, 1961, 618 pp.
2. Penslar RL (ed): Research Ethics: Cases and Materials. Indiana University Press, 320 pp, 1995.
3. Singer P: Practical ethics. 2nd ed. Cambridge Uninversity Press, 411 pp, 1993.
4. Ziman J: An introduction to science studies: the philosophical and social aspects of science and technology. Cambridge Uninversity Press, 208 pp, 1984.

PROGRAM / PROJECT COORDINATOR	
DATE	SIGNATURE