



COURSE DESCRIPTION

ACADEMIC CENTER SCHOOL OF MEDICAL SCIENCES	DEPARTMENT GENERAL SURGERY DEPARTMENT		
COURSE NAME EXPERIMENTAL SURGICAL METHODS AND MODELS	<input type="checkbox"/> CORE COURSE <input checked="" type="checkbox"/> OPTIONAL COURSE	HOURS 45	CREDITS 3
PROGRAM / PROJECT NAME PHYSIOPATHOLOGY AND SURGICAL SCIENCES <u>Key Focus Area:</u> Operative Technique and Experimental Surgery	DISTRIBUTION OF HOURS		
	TYPE OF CLASS	HOURS	N. OF CREDITS
	THEORETICAL	30	2
	PRACTICAL	15	1
	TOTAL	45	3
PREREQUISITES		<input checked="" type="checkbox"/> Master's program course <input checked="" type="checkbox"/> Doctorate's program course	

COURSE DESCRIPTION

Research in Surgery; Experimental Surgery Laboratory; Care of animals in a vivarium; Ethics in animal research; Experimental plan in Surgery; Choice of animal model; Asepsis and antisepsis; aseptic surgical technique; Fundamental operative techniques; Suture materials; basic sutures; Basic experimental surgical models; Experimental models of organ and cell transplantation; Biodistribution models in Experimental Surgery; Limitations on animal research.

BASIC BIBLIOGRAPHY

1. Cramer DV, Podesta LG, Makowka L. Handbook of Animal Models in Transplantation Research. Boca Raton (FL): CRC Press; 1994.
2. Green MK, Mandel TE. Experimental Transplantation Models in Small Animals. Austrália: Harwood Academic Publishers; 1995.
3. Marques RG. Cirurgia – Instrumental e Fundamentos Técnicos. Rio de Janeiro: Cultura Médica; 2001.
4. Marques RG. Técnica Operatória e Cirurgia Experimental. Rio de Janeiro: Guanabara Koogan; 2005.
5. Petroianu A. Anatomia Cirúrgica. Rio de Janeiro: Revinter; 1999.
6. Petroianu A. Ética, Moral e Deontologia Médicas. Rio de Janeiro: Guanabara Koogan; 2000.
7. Souba WW, Wilmore DW. Surgical Research. San Diego: Academic Press; 2001.

PROGRAM / PROJECT COORDINATOR

DATE	SIGNATURE