



## COURSE DESCRIPTION

<b>ACADEMIC CENTER</b> <b>SCHOOL OF MEDICAL SCIENCES</b>	<b>DEPARTMENT</b> <b>PATHOLOGY AND LABORATORIES</b>		
<b>COURSE NAME</b> <b>CLINICAL EPIDEMIOLOGY</b>	<input type="checkbox"/> CORE COURSE  <input checked="" type="checkbox"/> OPTIONAL COURSE	HOURS 45	CREDITS 3
<b>PROGRAM / PROJECT NAME</b> <b>PHYSIOPATHOLOGY AND SURGICAL SCIENCES</b> <u>Key Focus Area:</u> Urogenital System Operative technique and Experimental Surgery	<b>DISTRIBUTION OF HOURS</b>		
	TYPE OF CLASS	HOURS	N. OF CREDITS
	THEORETICAL	45	3
	PRACTICAL		
	<b>TOTAL</b>	45	3
<b>PREREQUISITES</b> <b>BASIC BIOESTATISTICS</b>	<input checked="" type="checkbox"/> Master's program course  <input checked="" type="checkbox"/> Doctorate's program course		

### COURSE DESCRIPTION

Epidemiology and Clinic. Disease frequency measures. Identification of cases: the problem of diagnosing. Basic principles of studies in humans. Ethical factors involved in scientific research. Evaluation of diagnostic tests. Study designs. Association measures: odds-ratio, relative risk, hazard-ratio. Validity and accuracy of epidemiological studies. Sectional studies. Cohort studies. Case-control studies. Clinical trials. Prognosis studies. Systematic reviews and meta-analysis.

### BASIC BIBLIOGRAPHY

1. Rothman, K.J., Greenland, S. Modern Epidemiology. 2nd Edition. Lippincott Williams & Wilkins Publishers, Philadelphia, 1998.
2. Fletcher, R.H., Fletcher, S.W., Wagner, E.H. Clinical Epidemiology : The Essentials. 3rd Edition. Lippincott, Williams & Wilkins Publishers, Philadelphia, 1996.
3. Jenicek, M. Epidemiology: The Logic Of Modern Medicine. Epimed, Québec, 1995
4. Sackett, L; Haynes, Rb; Guyatt, Gh; Tugwell, P. Clinical Epidemiology. A Basic Science For Clinical Medicine, 2a.Edição. Little, Brown and Company, Boston, 1991.

### PROGRAM / PROJECT COORDINATOR

<b>DATE</b>      	<b>SIGNATURE</b>
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