



EPIDEMIOLOGY

November 20 - December 15, 2023 ::: 7th Edition

Module 1: Epidemiology and Clinical Research (EPIC)

Day	Start	End	Theme
20-11-2023	09:00	09:30	Presentation of learning objectives and teaching staff - M1
	09:30	10:30	Research protocol methodology
	11:00	11:45	Introduction to epidemiology research and historic examples
	11:45	13:00	Study designs in Epidemiology
	15:00	16:00	Introduction to Biostatistics
	16:00	17:00	Estimation theory and estimation parameters
	17:30	19:00	Hypothesis testing
21-11-2023	09:00	10:30	T-Student and ANOVA (I)
	11:00	12:00	Pearson correlation coefficient
	12:00	13:00	Exercises - Biostatistics
	15:00	16:45	Introduction to linear regression analysis
	17:15	19:00	T-Student and ANOVA (II)
22-11-2023	09:00	10:45	Measures of disease frequency
	11:15	13:00	Measures of association and impact
	15:00	16:30	Ethics and clinical research
	17:00	19:00	Ethic committees
23-11-2023	09:00	10:45	Error, confounding and interaction
	11:15	13:00	Causal inference
	15:00	16:30	Exercises - Epidemiology
	17:00	19:00	Screening and preventive measures
27-11-2023	09:00	10:45	Clinical trials
	11:15	13:00	Introduction to survival analysis
28-11-2023	09:00	10:45	Multiple linear regression analysis
	11:15	13:00	Logistic regression analysis
	15:00	16:30	Validity and reliability of diagnostic and screening tests
	17:00	19:00	Sensibility, specificity and predictive values
30-11-2023	09:00	10:45	ROC curves + Exercises
	11:00	12:45	Kaplan-Meier analysis
	14:00	16:00	Cox-regression analysis

Module 2: Evidence-Based Practice (EBP)

Day	Start	End	Theme
04-12-2023	09:00	09:30	Presentation of learning objectives and teaching staff - M2
	09:30	10:30	Introduction to bibliographic reviews
	11:00	13:00	Databases and searching commands
05-12-2023	09:00	10:45	Systematic reviews
	11:15	13:00	Meta-analysis
	14:30	16:30	Exercises

Module 3: Global Health and Health Systems (GHHS)

Day	Start	End	Theme
06-12-2023	09:00	09:30	Presentation of learning objectives and teaching staff - M3
	09:30	10:30	Introduction to Global Health
	11:00	13:00	Burden of Disease
	14:30	16:00	Mental health
	16:30	18:00	Social determinants of health
07-12-2023	09:00	10:30	Genetic Epidemiology
	11:00	13:00	Epidemiology and Nutrition
	14:30	16:00	Demographic transition
	16:30	18:00	Health Care Systems - Basic Models
11-12-2023	09:00	10:15	Epidemiological research and Health Services
	10:45	12:00	Cancer
	12:00	13:00	Global Health Security
	14:30	16:00	Respiratory diseases
	16:30	17:30	Cardiovascular diseases
12-12-2023	09:00	10:30	Epidemiology Infectious diseases
	11:00	12:00	Tuberculosis
	12:00	13:00	HIV/AIDS, Hepatitis
	15:00	16:30	SARS-COV-2
13-12-2023	14:00	15:00	Economic evaluation and healthcare
	15:30	17:30	Health Services Management

Evaluation

Day	Start	End	Theme
14-12-2023	14:00	17:00	Presentation of research protocols
15-12-2023	14:00	17:00	Final exam