




3.00 credits

30.0 h

Q1

Teacher(s)	Penaloza-Baeza Andrea ;Robert Annie (coordinator) ;Sawadogo Kiswendsida Clovis ;
Language :	French
Place of the course	Bruxelles Woluwe
Main themes	The first part addresses the use and interpretation of diagnostic tests. That includes the basic characteristics (sensitivity, specificity, predictive value) ; the potential biases ; the ROC curves ; the Bayesian analysis ; the threshold probabilities. The second part analyzes the expected outcomes from a test or a treatment : utility concept, life expectancy. The third part includes clinical reasoning, decision-making, and cost-efficacy. These concepts are illustrated by clinical exemples taken from the diagnostic procedures used in medicine.
Learning outcomes	At the end of this learning unit, the student is able to : 1 To teach the rationale of the diagnostic procedure and the basis of clinical reasoning, using methods taken from epidemiology and statistics.
Bibliography	Références : Sox H. C. , Medical decision making, Butterworths Grenier B. , décision médicale, Masson Weinstein, Clinical decision analysis, Saunders
Other infos	Written examination. References : 1. Sox HC, Medical decision making, Butterworths ; 2. Grenier B, Evaluation de la décision médicale, Masson ; 3. Kassirer JP et Kopelman RI, Learning clinical reasoning, Williams & Wilkins ; 4. Friedland DJ et al, Evidence-based medicine, Lange ; 5. Weinstein, Clinical decision analysis, Saunders.
Faculty or entity in charge	FSP

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Biomedicine	SBIM2M	3		
Master [120] in Biomedical Engineering	GBIO2M	3		
Master [120] in Statistics: Biostatistics	BSTA2M	3		
Master [120] in Public Health	ESP2M	3		