

Course description	
Course	Planning and Evaluation of Epidemiological Studies
Department	Department of Biomathematics and Informatics
Language	English
Nature	Mandatory
Year/semester	1st year, spring-term
Credits (ECTS)	3
Lectures (hour/semester)	
Plenary lectures (hour/semester)	
Practicals (hour/semester)	
Responsible teacher	Dr. Reiczigel Jenő
Teacher(s)	Dr. Reiczigel Jenő
Prerequisites	
Learning outcome (include skills and competencies, if any)	
<p>The course makes students familiar with the most widely used mortality and morbidity figures, various measures of risk of disease, and gain skills in using these. They get to know the different types of epidemiological studies, and acquire knowledge about how to design an epidemiological study. They also learn and apply the statistical methods for evaluation/comparison of diagnostic tests.</p>	
Outcome assessment	
Multiple-choice test + practical (computational) exercises	
Weekly schedule of lectures and practicals	
	Lecture topics
Week 1	Morbidity and mortality figures. Measures of risk.
	Practical topics
Week 1	same

	Lecture topics
Week 2	Types and design of epidemiological studies
	Practical topics
Week 2	same
	Lecture topics
Week 3	Evaluation/comparison of diagnostic tests
	Practical topics
Week 3	same
	Recommended literature
	Schoenbach VJ, Rosamond WD, understanding the fundamentals of epidemiology — an evolving text, Fall 2000 Edition, download (Jan 10, 2020): www.epidemiolog.net/evolving/FundamentalsOfEpidemiology.pdf
	Note(s)