

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KVEZ/44V1006W/19	Course title: Epidemiology 1
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 1 / 2 hours per semester: 12 / 24 Teaching method: on-site (distance method according to the document Príkaz rektora P-8/2020 since 15. 10. 2020)	
Credits: 3	
Recommended semester/trimester: 1.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: During the semester: active participation in seminars, seminar work Final evaluation: written exam Course evaluation: A - 100% -93% B - 92% -85% C - 84% -77% D - 76% -69% E - 68% -60% FX - 59% - 0%	
Learning outcomes of the course: Course objective: Introduction to epidemiology and basic knowledge of methods in epidemiology. Theoretical knowledge: The student will gain theoretical knowledge about the epidemiological method of work, the basic epidemiological characteristics, assessment of the health status of the population - mortality, morbidity, premature mortality, life expectancy, QALYs, DALYs, PYLLs, HALE. Student defines descriptive, analytical observational, intervention studies, questionnaire, screening, learns about the economic evaluation of intervention studies - model situations, compilation of standardized reports and meta-analyzes Practical skills: The student analyzes the sources of standardly available epidemiological data (NCZIŠ, Statistical Yearbooks, Eurostat, World Health Statistics, Registers), interprets the standardly available epidemiological data - solving model situations. Analyzes the relationship between factor and disease, causality. Prepares and plans epidemiological study I - problem definition, goal setting, definition of target population. Demonstrates the use of diagnostic tools in epidemiological studies, determination of normality and abnormality - model situations. Compiles files in epidemiological studies - model situations. Prepares and plans epidemiological study II - choice of study design. Interprets the results of the epidemiological study - analysis of statistical connections - relative risk,	

attributable risk, Attributive population risk, etiological fraction of risk, calculations of indicators. Examples of risk factor assessment.

Course contents:

1. Definition and basic characteristics of epidemiology
2. Measurement of health and measurement of diseases
3. Causes of diseases - causality
4. Variability, validity, random and systematic errors, bias, risk
5. Epidemiological method of work, screening, questionnaire
6. Epidemiological studies
7. Descriptive epidemiological studies
8. Analytical epidemiological studies
9. Meta-analysis, pooling, surveillance,
10. Project in epidemiology, project, register, household monitoring
11. Health status and health monitoring, epidemiology and health policy
12. Health promotion and prevention

Recommended or required literature:

1. Bakoss et al.: Epidemiológia. Bratislava 2011, vyd. Univerzita Komenského, 520 p., ISBN 978-80-2232-929-3
2. Egnerová, A. at al. 2010. Epidemiológia základy a metódy. Bratislava : Slovenská zdravotnícka univerzita, 2010. 141 p., ISBN 978-80-8935-267-8
3. Göpfertová, D. 2008 Praktická cvičení z epidemiologie, Praha : Karolinum, 2008. 117 p., ISBN 978-80-2461-541-7
4. Göpfertová, D. 2001 Kontrolní otázky z epidemiologie, Praha : Triton, 2001. 95 p., ISBN 80-725-4155-2
5. Kollárová, H. 2011. Vybrané kapitoly z epidemiologie. Olomouc : Univerzita Palackého v Olomouci, 2011. ISBN 978-8024-427-,157
6. Šulcová, M et al. 2012. Verejné zdravotníctvo. Bratislava : Veda, 2012. 651 p., ISBN 978-80-224-1283-4

Language of instruction:

Slovak Language

Notes:

Due to the change in the method of study from presence to distance learning, the exam will be conducted in written and oral form through information and communication technologies.

Course evaluation:

Assessed students in total: 14

A	B	C	D	E	FX
0.0	14.29	7.14	14.29	42.86	21.43

Name of lecturer(s): doc. RNDr. Soňa Hlinková, PhD.

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Supervisor(s): doc. MUDr. Eleonóra Fabiánová, PhD., MPH.