

Program of Study : Dentistry
Course : **Epidemiology**
Abbreviation : **PVL/ZAA11**
Schedule : 60 hours of seminars
Course Distribution : **5th year, 9th semester, academic year 2022/2023**
Number of Credits : 4
Course Form : Seminars

Seminars :

Teachers : prof. MUDr. Dagmar Horáková, Ph.D.
MUDr. Ladislav Štěpánek, Ph.D.
Mgr. Simona Zatloukalová, Ph.D.
doc. RNDr. Ivanka Matoušková, Ph.D.
Mgr. Veronika Koutná

Study : Continuous

Term of block: **Department of Public Health, room no. TU-PV1a, TU-PV1b**
25. 10. – 22. 12. 2022

	Date	Subject	No. of Lesson	Teacher
1	25. 10. 2022 12:30–17:00 TU-PV1b	Epidemiology – introduction, definition, subfields of epidemiology, prevention. Measures of disease frequency and association – practical examples.	3	Koutná
		Epidemiological method of work, designs of epidemiological studies (descriptive, analytical and interventional studies) – use, interpretation, practical examples	3	Koutná/ Zatloukalová
2	27. 10. 2022 07.30-12.00 TU-PV1b	Evidence-based dentistry, pyramid of evidence, 5A model, PICO question	2	Koutná
		Epidemiology of caries	2	Štěpánek
		Travel medicine	2	Štěpánek
3	08. 11. 2022 12:30–17:00 TU-PV1a	Communicable diseases – chain of infection, control tools	2	Zatloukalová
		Actual epidemiological situation in communicable and non-communicable diseases	2	Zatloukalová
		Epidemiology of viral hepatitis	2	Zatloukalová
4	10. 11. 2022 07.30-12.00 TU-PV1b	Epidemiology of AIDS and sexually transmitted infections	3	Štěpánek
		Immunization	3	Štěpánek
5	22. 11. 2022 12:30–17:00 TU-PV1a	Hospital-acquired infections	2	Matoušková
		Hand hygiene – theoretical basis and practical training	2	Matoušková Zatloukalová
		Life-style risk factors with focus on dental health	2	Zatloukalová
6	24. 11. 2022 07.30-12.00 TU-PV1b	Occupational hazards and infectious diseases important in dentistry	3	Štěpánek
		Disinfection and sterilisation in dentistry	3	Štěpánek
7	06. 12. 2022 12:30–17:00 TU-PV1a	Epidemiology of influenza and ARI	2	Zatloukalová
		Epidemiology of bacterial respiratory infections	2	Zatloukalová
		Epidemiology of diarrheal infections	2	Zatloukalová
8	08. 12. 2022 07.30-12.00 TU-PV1b	Cancer risk factors	3	Štěpánek
		Epidemiology of cancer, focus on cancers in orofacial area	3	Štěpánek
9	20. 12. 2022 12:30–17:00 TU-PV1a	Environmental risk factors	2	Matoušková
		Epidemiology of zoonosis	2	Zatloukalová
		Epidemiology of emerging and disappearing infections	2	Zatloukalová
10	22. 12. 2022 07.30-12.00 TU-PV1b	Epidemiology of cardiometabolic diseases	3	Štěpánek
		Discussion on actual topics in epidemiology	3	Štěpánek

Completed by : Practicavit. Exam.

Credit: Credit test with both theoretical and practical tasks.

Requirements : **Absences:** tolerated absence is up to 2 blocks of seminars (2 days) without the need for apology or substitution. In case of absence without serious reasons beyond 2 blocks (2 days), the student must replace the absence by preparing a seminar paper on a given topic. If the student proves an illness (an apology from a physician) or another serious reason for absence (eg. visa meeting), it is not necessary to replace the seminars. **It is not possible to sign for exams or credits from other subjects during the seminars! Exam or credits from other subjects are not a serious reason for absence. Apology for absences:** Mgr. Zatloukalová Simona, Ph.D. (simona.zatloukalova@upol.cz)

Literature :

1. MAYRENT, S., L. *Epidemiology in Medicine*. 1987.
2. DALY, B., BATCHELOR, P., TREASURE, E., WATT, R. *Essential Dental Public Health*. Oxford University Press, 2013. ISBN 978-0-19-967937-9.
3. NEWMAN, M.G., NISENGARD, R. *Oral Microbiology and Immunology*. 1995.
4. MARYA, C., M. *A Textbook of Public Health Dentistry*. JP Medical Ltd. 2011. ISBN 978-93-5025-216-1.
5. VERMA, M. *Cancer Epidemiology*. Humana Press, 2009.
6. SCHOTTENFELD, D., FRAUMENI, J., F., Jr. *Cancer Epidemiology and Prevention*. Oxford University press, 1996.

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