

Program of Study : General Medicine
Course : **Epidemiology 1**
Abbreviation : **PVL/VA012**
Schedule : 60 hours of seminars
Course Distribution : 4th year, 7th, 8th semester, academic year 2021/2022
Number of Credits : 3
Course Form : Seminars

Seminars :

Teachers : Mgr. Kateřina Azeem, Ph.D.
doc. RNDr. Ondřej Holý, Ph. D.
doc. RNDr. Ivanka Matoušková, Ph.D
Mgr. Simona Zatloukalová

Study : Continuous

Term of block: 1. **25. 04. – 06. 05. 2022**, room no. **TD-2.518**
2. **23. 05. – 03. 06. 2022**, room no. **TU –PV1a (4.016)**
Faculty of Medicine and Dentistry, Palacký University in Olomouc

1. 25. 04. – 06. 05. 2022, room no. TD-2.518

	Date	Subject	No. of Less.	Teacher
1	25. 04. 2022 07:30 -12:30	Epidemiology - introduction, definition of epidemiology, epidemiology of communicable and non-communicable diseases, prevention. Screening, screening programmes. Case studies. Practical training includes evaluation of skills in systematic evaluation of study design and validity for particular clinical question, practical application of EBM skills.	6	Azeem Azeem
2	26. 04. 2022 07:30-12:30	Clinical epidemiology. Epidemiology of infectious diseases. Actual epidemiological situation in communicable diseases. Practical training includes work with databases (WHO, ECDC etc.).	6	Zatloukalová Holý Holý
3	27. 04. 2022 07:30-12:30	Health care-associated infections, HAI (I) Health care-associated infections, HAI (II) Practical training includes training of hand hygiene as prevention of hospital acquired infections. Epidemiology of viral hepatitis	6	Matoušková Matoušková Zatloukalová
4	28. 04. 2022 07:30-12:30	Immunization. Epidemiology of AIDS.	6	Azeem Azeem
5	29. 04. 2022 07:30-12:30	Tropical disease. Travel medicine Epidemiology of cardiovascular and metabolic diseases.	6	Holý Azeem Azeem
6	02. 05. 2022 07:30-12:30	Epidemiology of tetanus. Epidemiology of diarrheal infections. Epidemiology of influenza and acute respiratory infections.	6	Matoušková Zatloukalová Zatloukalová
7	03. 05. 2022 07:30-12:30	Epidemiology of disappearing infections. Epidemiology of bacterial respiratory infections.	6	Zatloukalová Zatloukalová
8	04. 05. 2022 07:30-12:30	Environmental epidemiology I. Environmental epidemiology II. Epidemiology of zoonosis.	6	Matoušková Matoušková Holý
9	05. 05. 2022 07:30-12:30	Emerging and re-emerging infections Practical examples in context of current	6	Zatloukalová

		epidemics (case definition, focus of infection, sampling of biological material, hypothesis of cause and source identification) and link to preventive measures (development, application, adherence, outcome). Neurodegenerative disease epidemiology		Azeem
10	06. 05. 2022 07:30-12:30	Cancer risk factors. Epidemiology of cancer in men. Epidemiology of cancer in women.	6	Azeem Azeem Azeem

Credit test include assessment of disease incidence and trends.

2. 23. 05. – 03. 06. 2022, room no. TU –PV1a (4.016)

	Date	Subject	No. of Less.	Teacher
1	23. 05. 2022 07:30-12:30	Epidemiology - introduction, definition of epidemiology, epidemiology of communicable and non-communicable diseases, prevention. Screening, screening programmes. Case studies. Practical training includes evaluation of skills in systematic evaluation of study design and validity for particular clinical question, practical application of EBM skills.	6	Azeem Azeem
2	24. 05. 2022 07:30-12:30	Clinical epidemiology. Epidemiology of infectious diseases. Actual epidemiological situation in communicable diseases. Practical training includes work with databases (WHO, ECDC etc.).	6	Zatloukalová Holý Holý
3	25. 05. 2022 07:30-12:30	Health care-associated infections, HAI (I) Health care-associated infections, HAI (II) Practical training includes training of hand hygiene as prevention of hospital acquired infections. Epidemiology of viral hepatitis	6	Matoušková Matoušková Zatloukalová
4	26. 05. 2022 07:30-12:30	Immunization. Epidemiology of AIDS.	6	Azeem Azeem
5	27. 05. 2022	Tropical disease.	6	Holý

	07:30-12:30	Travel medicine Epidemiology of cardiovascular and metabolic diseases.		Azeem Azeem
6	30. 05. 2022 07:30-12:30	Epidemiology of tetanus. Epidemiology of diarrheal infections. Epidemiology of influenza and acute respiratory infections.	6	Matoušková Zatloukalová Zatloukalová
7	31. 05. 2022 07:30-12:30	Epidemiology of disappearing infections. Epidemiology of bacterial respiratory infections.	6	Zatloukalová Zatloukalová
8	01. 06. 2022 07:30-12:30	Environmental epidemiology I. Environmental epidemiology II. Epidemiology of zoonosis.	6	Matoušková Matoušková Holý
9	02. 06. 2022 07:30-12:30	Emerging and re-emerging infections Practical examples in context of current epidemics (case definition, focus of infection, sampling of biological material, hypothesis of cause and source identification) and link to preventive measures (development, application, adherence, outcome). Neurodegenerative disease epidemiology	6	Zatloukalová Azeem
10	03. 06. 2022 07:30-12:30	Cancer risk factors. Epidemiology of cancer in men. Epidemiology of cancer in women.	6	Azeem Azeem Azeem

Credit test include assessment of disease incidence and trends.

Completed by : Practicavit

Requirements : Active participation of students in seminars.
Absence at seminars and exercises is tolerated up to 10 % without the need for apology or compensation.
If a student misses more than 10 %, for medical or other serious reasons, he/she must present proper apology as well as substitute for the seminars or exercises.
Substitution for absences beyond the framework will be in the form of self-study and consultation with the examination, eventually by the elaboration of a seminar paper.
In the case of an apology for absences in the seminars or exercises, contact Mgr. Kateřina Azeem, Ph.D., e-mail:
katerina.azeem@upol.cz

Literature :

1. HEYMAN, D., L. *Control of communicable diseases manual*. Washington: American Public Health Association, 2004. ISBN 0875530346.
2. GREENBERG, R. S., DANIELS, S. R., FLANDERS, D. W., ELEY, J. W., & BORING, J. R. *Medical epidemiology*. New York: McGraw-Hill, 2005. ISBN 0071416374.
3. BERRIDGE, Virginia. *Public health: a very short introduction*. Oxford: Oxford University Press, 2016, xviii, 138 s. Very short introductions, 482. ISBN 978-0-19-968846-3.
4. SCHNEIDER, Mary-Jane a Henry S. SCHNEIDER. *Introduction to public health*. Fifth edition. Burlington, MA: Jones & Bartlett Learning, [2017], xxx, 593 s. ISBN 978-1-284-08923-3.

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