

**Program of Study** : General Medicine  
**Course** : **Epidemiology and Social Medicine**  
**Abbreviation** : **PVL/VA023**  
**Schedule** : 1 week (34 hours of seminars)  
**Course Distribution** : **5<sup>th</sup> year, 9<sup>th</sup>, 10<sup>th</sup> semester, academic year 2022/2023**  
**Number of Credits** : 3  
**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.  
PaedDr. Mgr. Dagmar Tučková, Ph.D. et Ph.D.

**Study:** Block

**Block Date:** **13. 03. – 17. 03. 2023, 27. 03. – 31. 03. 2023 (SRE)**  
**15. 05. – 19. 05. 2023, 29. 05. – 02. 06. 2023 (SRE)**

Faculty of Medicine and Dentistry, Palacký University in Olomouc

13. 03. – 17. 03. 2023, room no. TD-2.520

	Day	Subject	No. of Lesson	Teacher
1	<b>13. 03. 2023</b> 07:30-14:00 Monday <u>TD-2.520</u>	<p>Actual epidemiological situation at occurrence of communicable diseases in the world – emerging and disappearing infections. <i>(Practical training: model situation and its solution, preventive measures application)</i></p> <p>Epidemiological method of work – actual studies, alternative medicine and EBM. <i>(Practical training: practical use of epidemiological studies)</i></p> <p>Health inequalities, social and economic determinants of health. <i>(Practical training: Present and discuss health inequalities, social and economic determinants of health in students' home countries – comparison between countries)</i></p> <p>Overview of the most recent challenges for public health in globalized world. <i>(Practical training: Report on health priorities and challenges, ability to use WHO's ICF in public health, present and discuss the most recent challenges in students' home countries - comparison between countries)</i></p>	7	<p>Koutná/DSP</p> <p>Janoutová /DSP</p> <p>Tučková /DSP</p> <p>Tučková /DSP</p>
2	<b>14. 03. 2023</b> 07:30-14:00 Tuesday <u>TD-2.520</u>	<p>Epidemic control, epidemiological measures. <i>(Practical training: model situation and its solution, preventive measures application)</i></p> <p>Environmental epidemiology, monitoring of health condition of population <i>(Practical training: model situation and its solution, preventive measures application, evaluation of epidemiological data)</i></p> <p>Health care-associated infections (HAI) – epidemiological measures and surveillance in hospital environment. <i>(Practical training: model situation and its solution, preventive measures application)</i></p>	7	<p>Zatloukalová/Štěpánek /DSP</p> <p>Matoušková/DSP</p> <p>Matoušková/DSP</p>
	<b>15. 03. 2023</b> 07:30-14:00	<p>High consequence infectious diseases. <i>(Practical training: model situation and its</i></p>	7	Zatloukalová/DSP

	Wednesday <b><u>TD-2.520</u></b>	<p><i>solution, preventive measures application)</i></p> <p>Epidemiology and prevention of parasitic infections. <i>(Practical training: model situation and its solution, preventive measures application)</i></p> <p>Alimentary infections. <i>(Practical training: model situation and its solution, preventive measures application)</i></p>		Zatloukalová/ DSP  Zatloukalová/ DSP
4	<b>16. 03. 2023</b> 07:30-12:00 Thursday <b><u>TD-2.520</u></b>	<p>Hygiene and Public Health authorities. <i>(Practical training: insight on functions of mentioned organizations)</i></p> <p>Preventive programs in GP office. <i>(Practical training: model situation and its solution, preventive measures application)</i></p> <p>Epidemiology of cardiovascular and metabolic diseases, screening possibilities in GP office. <i>(Practical training: practical use of screening and related tools in GP office)</i></p> <p>Vaccine refusal and its impact. <i>(Practical training: model situation and its solution)</i></p>	6	Štěpánek /DSP  Štěpánek/ DSP  Štěpánek /DSP  Štěpánek /DSP
5	<b>17. 03. 2023</b> 07:30-14:00 Friday <b><u>TD-2.520</u></b>	<p>Epidemiology of tetanus. <i>(Practical training: model situation and its solution, preventive measures application)</i></p> <p>Lifestyle risk factors, epidemiology of addictions, nutrition. <i>(Practical training: preventive measures application, tools)</i></p> <p>Selected epidemiology questions.</p>	7	Matoušková/ DSP  Zatloukalová/ Štěpánek /DSP  Zatloukalová/ Štěpánek/ Koutná
	<b>27. 03. – 31. 3. 2023</b>	<b>State Rigorous Examinations</b> Epidemiology, Law and Social Medicine Evaluation of practical skills in study design assessment and results interpretation. Students will recommend measures for prevention of both communicable and noncommunicable diseases.		

15. 05. – 19. 05. 2023, room no. TD-2.518, TD-2.520

	Day	Subject	No. of Lesson	Teacher
1	<b>15. 05. 2023</b> 07:30-14:00 <b><u>TD-2.518</u></b>	<p>Actual epidemiological situation at occurrence of communicable diseases in the world – emerging and disappearing infections. <i>(Practical training: model situation and its solution, preventive measures application)</i></p> <p>Epidemiological method of work – actual studies, alternative medicine and EBM. <i>(Practical training: practical use of epidemiological studies)</i></p> <p>Health inequalities, social and economic determinants of health. <i>(Practical training: Present and discuss health inequalities, social and economic determinants of health in students' home countries – comparison between countries)</i></p> <p>Overview of the most recent challenges for public health in globalized world. <i>(Practical training: Report on health priorities and challenges, ability to use WHO's ICF in public health, present and discuss the most recent challenges in students' home countries - comparison between countries)</i></p>	7	<p>Koutná/DSP</p> <p>Janoutová /DSP</p> <p>Tučková /DSP</p> <p>Tučková /DSP</p>
2	<b>16. 05. 2023</b> 07:30-14:00 <b><u>TD-2.518</u></b>	<p>Epidemic control, epidemiological measures. <i>(Practical training: model situation and its solution, preventive measures application)</i></p> <p>Environmental epidemiology, monitoring of health condition of population <i>(Practical training: model situation and its solution, preventive measures application, evaluation of epidemiological data)</i></p> <p>Health care-associated infections (HAI) – epidemiological measures and surveillance in hospital environment. <i>(Practical training: model situation and its solution, preventive measures application)</i></p>	7	<p>Zatloukalová/ Štěpánek/ DSP</p> <p>Matoušková/ DSP</p> <p>Matoušková/ DSP</p>
3	<b>17. 05. 2023</b> 07:30-14:00	<p>High consequence infectious diseases. <i>(Practical training: model situation and its solution, preventive measures application)</i></p>	7	Zatloukalová/ DSP

	<b><u>TD-2.520</u></b>	<p>Epidemiology and prevention of parasitic infections. <i>(Practical training: model situation and its solution, preventive measures application)</i></p> <p>Alimentary infections. <i>(Practical training: model situation and its solution, preventive measures application)</i></p>		Zatloukalová/ DSP
4	<b>18. 05. 2023</b> 07:30-12:00 <b><u>TD-2.520</u></b>	<p>Hygiene and Public Health authorities. <i>(Practical training: insight on functions of mentioned organizations)</i></p> <p>Preventive programs in GP office. <i>(Practical training: model situation and its solution, preventive measures application)</i></p> <p>Epidemiology of cardiovascular and metabolic diseases, screening possibilities in GP office. <i>(Practical training: practical use of screening and related tools in GP office)</i></p> <p>Vaccine refusal and its impact. <i>(Practical training: model situation and its solution)</i></p>	6	Štěpánek /DSP
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5	<b>19. 05. 2023</b> 07:30-14.00 <b><u>TD-2.518</u></b>	<p>Epidemiology of tetanus. <i>(Practical training: model situation and its solution, preventive measures application)</i></p> <p>Lifestyle risk factors, epidemiology of addictions, nutrition. <i>(Practical training: preventive measures application, tools)</i></p> <p>Selected epidemiology questions.</p>	7	Matoušková/ DSP
				Zatloukalová/ Štěpánek/ DSP
				Zatloukalová/ Štěpánek/ Koutná
	<b>29. 05. – 02. 06. 2023</b>	<b>State Rigorous Examinations</b> Epidemiology, Law and Social Medicine Evaluation of practical skills in study design assessment and results interpretation. Students will recommend measures for prevention of both communicable and noncommunicable diseases.		

**Completed by:**

Credit

**Requirements:**

**Absences:** tolerated absence is up to 1 block of seminars (1 day) without the need for apology or substitution. In case of absence without serious reasons beyond 1 block (1 day), 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.  
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**Literature:**

1. SACKETT D., L. et al. 2000. Evidence Based Medicine – How to Practice and Teach EBM, Churchill Livingstone. ISBN 0 443 06240 4.
2. GUYATT G. a E. RENNIE. 2002. *Users' Guides to the Medical Literature*. JAMA & Archives Journals. American Medical Association. ISBN 1-57947-191-9.
3. HEYMAN, D., L. 2004. *Control of communicable diseases manual*. Washington: American Public Health Association. ISBN 0875530346.
4. GREENBERG, R., S., DANIELS, S. R., FLANDERS, D. W., ELEY, J. W. a J. R. BORING, 2005. *Medical epidemiology*. New York: McGraw-Hill. ISBN 0071416374
5. RIPPE, James M. 2017. *Nutrition in Lifestyle Medicine*. Cham: Springer International Publishing. ISBN 9783319430270.
6. LEAL FILHO, W. a J. M. KEENAN. 2017. Climate Change Adaptation in North America: Fostering Resilience and the Regional Capacity to Adapt. *Climate Change Management*. Cham: Springer International Publishing. XI, 354 p. 60 illus., 27 illus. in color. ISBN 9783319537429.
7. SCHWAID, G. 2017. *Board review in preventive medicine and public health: questions and answers*. London, England: Academic Press. 1 online resource (452 pages). ISBN 9780128137796.
8. WHO: The economics of social determinants of health and health inequalities: a resource book. (2013). Geneva. ISBN 978-92-4-1548625.
9. WHO: Facing the future: opportunities and challenges for 21st-century public health in implementing the Sustainable Development Goal and Health 2020 policy Framework (2018). WHO regional office for Europe. Copenhagen.
10. <https://epha.org/> - European Public Health Alliance
11. <https://www.paho.org/en> - Pan American Health Organization

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