**Syllabus**

**of the subject “Social and Occupational Medicine,**

**Public Health and Preventive Medicine“**

for the 6th year students (English speaking), branch General Medicine,

Faculty of Medicine in Pilsen, Charles University in Prague.

School year 2023/2024

Course guarantor: Prof. MUDr. Dana Müllerová, Ph.D.

Responsible person for teaching in part:

**- Public Health and Preventive Medicine: Prof. MUDr. Dana Müllerová, Ph.D.**

**- Social Medicine and Assesment medicine: Doc. MUDr. Libuše Čeledová, Ph.D.**

**- Occupational Medicine: MUDr. Vendulka Machartová, Ph.D.**

**Subject ends with a final state examination.**

The aim of the 3-week block of Social Medicine, Public Health, Hygiene and Preventive Medicine is to acquaint students with the issue of providing primary health care. During their studies, they have not yet encountered this basic element of health care.

During the 2-week (10-day) internship with a general practitioner (GP, a general practitioner for adults or for children/adolescents), students get acquainted with the management of general practitioner's office, including finding out the scope and form of cooperation of general practitioners with assessment medicine.

Students will learn to examine patients with a focus on primary and secondary prevention of chronic non-infectious diseases, to diagnose symptoms already present, to assess the risks of the diseases and their relationship to lifestyle, to design a personalized intervention and how to communicate it to the client/patient.

Students will prepare report on the internship (scope of work, typical patient profile, organization of work in the office, spectrum of medical procedures) and a case study of one of the patients examined during the internship.

Students will also take part in one-day internship at the Department of Occupational Medicine at the University Hospital in Pilsen. The aim of the internship is to enable students to expand basic knowledge of occupational medicine and occupational diseases, which they studied in the 5th year during a seminar within the course of Internal Medicine.

The internship with a general practitioner may be completed in advance after the end of the fifth year during the summer holidays or any time during the sixth year, but it must be completed by the end of 3-week block.

**During the internship with GP, students should focus on:**

**General practitioner's office management, social and assessment medicine**

* management of medical practice, sources of financing, scope of activities, etc.
* issues of long-term health and social care, home care, nursing services
* cooperation of PL with the medical assessment service
* areas of health insurance (DPN), pension insurance (documents processed by the PL for applications for disability pensions) and social assistance

**Preventive medical examination**

* updating medical history, including social history, with the focus on its changes, risk factors and occupational risks; in the family history, special emphasis is placed on the incidence of cardiovascular and lung diseases, the incidence of hypertension, diabetes mellitus, disorders of fat metabolism and cancer, and the incidence of addictions
* **control of** **vaccination**
* **complete physical examination**, including measurement of blood pressure, determination of body mass index and basic examination of sight and hearing; part of the general preventive examination is the assessment of risks in terms of family, personal and occupational history, skin examination and in case of suspected increased risk also rectal examination, in men with a positive family history or in the presence of other risk factors clinical examination of the testicles, in women with a positive family history of hereditary or familial breast cancer or the presence of other risk factors clinical examination of the breast, together with instructions for self-examination
* **examination of urine-** a urine test strip
* **control and evaluation of the results** of other examinations

**Prevention**

* GP always assesses the individual risk of a serious illness of the patient, related to the problem the patient has
* PL has a limited but not insignificant opportunity to influence patients' lifestyles and intervene in the area of primary prevention
* Cardiovascular prevention and risk assessment programs
* Early detection of cancer
* Infectious diseases and preventive vaccinations
* Brief intervention

**In the case an internship with GP for children and adolescents, students will focus on the system of preventive health checks in children, breastfeeding support, psychomotor development of children, vaccination.**

**Compulsory internship participation in the Department of Occupational Medicine of the Medical Faculty of Charles University and the University Hospital in Pilsen - practice in the occupational medicine office - one-day internship**

* **It is beneficial for students to get acquainted with the lectures prepared in MOODLE: Occupational Medicine - the basic issues of the field before the start of the one-day internship**.
* The internships will be prepared according to the schedule for individual groups, which will be divided into individuals and students will have specific days during the 3-week block
* The rationale for the internship is that not every general practitioner or pediatrician assesses medical fitness for a job, and students may not have encountered the practical impact of Occupational Medicine during their previous studies. For this reason, it is necessary to complete at least a one-day internship in a clinical occupational medicine practice at a department that also holds a permit from the Ministry of Health of the Czech Republic for the recognition, treatment and dispensary of occupational diseases. For the Pilsen and Karlovy Vary regions, it is the Department of Occupational Medicine, Charles University Medical Faculty and University Hospital in Pilsen
* The one-day internship at the Department of Occupational Medicine, University Hospital in Pilsen will include:

1. assessment of medical fitness for an occupation
2. examination of a patient with a diagnosed occupational disease
3. assessment of medical fitness for work in healthcare according to valid Czech legislation
4. workplace inspection, assessment of risk factors

**Conditions for granting the credit:**

**Completion of a 10-day internship with a general practitioner and confirmation of this internship.**

**Completion of a 1-day internship at the Department of Occupational Medicine, Faculty of Medicine and University Hospital in Pilsen**

**Submission of the report on the internship with GP and of a case study focusing on the intervention proposal. Both essays will be submitted to MOODLE according to the instructions received by email.**

**Instructions for creating the final report**

* Each essay must contain a title page with the author's name, the name of the university, department and subject, study group and date.
* Specify where the internship took place (GP or facility)
* Submission of a report on the internship (at least 2 pages of text, Times New Roman, size 12, line spacing 1.5) and a case report. Submit the essays in pdf or word format**.**

**Notes on the organization of the block**

* **Students have to arrange the internship themselves**
* A letter from the faculty requesting an internship will be provided to students by email. It is compulsory to provide a certificate of completion of this internship.
* The form “Confirmation of completing the pre-state examination practice” can be downloaded from SIS (subject EA0112119).

**Study resources:**

**Public Health and Preventive Medicine**

Textbook:

<https://www.bookport.cz/kniha/public-health-and-preventive-medicine-8495/>

(https://cuni.primo.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\_service\_id=13563139030006986&institutionId=6986&customerId=6985&VE=true)

Moodle course: https://lms.lfp.cuni.cz/course/view.php?id=281

Moodle course for submission of reports and case studies: <https://lms.lfp.cuni.cz/mod/forum/discuss.php?d=1476>

**Social and Assessment Medicine**

Čeledová,L.,Holčík,J. Social Medicine. An Introduction to New Public Health. Praha: Karolinum. 2019

Moodle courses: https://lms.lfp.cuni.cz/course/index.php?categoryid=15

**Occupational Medicine**

Moodle: https://lms.lfp.cuni.cz/enrol/index.php?id=355