**Syllabus**

**from the subject “Public and Occupational Medicine, Public Health, Social and Preventive Medicine“**

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

Faculty of Medicine in Pilsen, Charles University in Prague.

School year 2020/2021

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.

- Public Medicine and Social 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 course** of Social and Occupational Medicine, Public Health 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.

The student acquires the theoretical knowledge in the field of public health, hygiene and preventive medicine. They were able to evaluate the risk factors of the environment and work place, including lifestyle factors, on the health status of the population and on the individual level using the risk analysis method. They were able to design community health programs, were able to evaluate the individual risks of non-communicable diseases, especially cardiovascular and cancer, to carry out preventive examinations with a proposal of "self tailored" recommendations in the field of primary and secondary prevention with the use of principles of personalized medicine. Students will have skills and competences in the field of health promotion in the area of nutrition, promotion of children and adolescents health, municipal hygiene, and hygiene of work.

The aim of students´ practice in Social Medicine guaranteed by the Department of Social and Assessment Medicine is their practical acquaintance with the management and operation of General Practitioners / Family Doctors facilities. Students can recognize the organization of the basic part of health care system - primary care in their country and the role of GP/FD in the provision of medical care.

The aim of the practice guaranteed by the Department of Hygiene and Preventive Medicine is a practical examination of patients focusing on primary and secondary prevention of chronic non-communicable diseases, diagnose the symptoms already present, assess the risks of these diseases and their relationship with lifestyle, and design and communicate a personalized intervention.

The aim of the part guaranteed by the Department of Occupational Diseases is obtained information from all medical fields to apply to the practice, to obtain basic information about occupational medicine and occupational diseases. The course will also focus on practical experience with the putting of chronic patients into work.

**Week of Public Health and Preventive Medicine**

The teaching takes place at the Department of Hygiene and Preventive Medicine, Lidická 4, Pilsen. Starts at 8 am.

**Practical exercise:**

Training of examination of health – nutritional status and physical fitness from perspective of risk assessment of chronic non-communicable diseases.

Training of self- tailored primary and secondary prevention; and recommendation on diet, physical activity, and behavioural changes in life style.

**Week of Social Medicine**

The practice takes place at selected General Practitioners / Family Doctors in the students´ home countries.

**Practical exercise:**

The aim is practical acquaintance with the management and operation of General Practitioners / Family Doctor. Student`s knowledge of the scope of preventive diagnostic, therapeutic and rehabilitative care provided. The scope and form of cooperation of GPs / FDs with other specialists. The provision of medical care in the patients´ homes with the cooperation of their families.

**Week of Occupational Medicine**

The teaching takes place at the the Department of Occupational Diseases (Klinika pracovního lékařsví) at the University Hospital Pilsen (Fakultní nemocnice), Alej Svobody 80, entrance F, 8th floor. Starts each day at 8 am.

**Practical exercise:**

Students will get acquainted with the role of occupational medicine in health care, the most common occupational diseases, the effects of chemical and physical agents including noise, vibration, muscle overload, cold, heat, hepatotoxic, hematotoxic, neurotoxic and carcinogenic substances, but also the issue of selected professions, the first aid and antidotes. Lectures in occupational medicine will be published at Moodle.

**Requirements for granting credit and admission to the state exam:**

**From Public Health and Preventive Medicine:**

Creating an essay on a given topic and submitting it electronically using Moodle.

Creating a community program and its oral presentation in a group.

Completion of the practical exercise mentioned above.

 **From Social Medicine:**

The confirmation of the student´s practice in GP/FD office.

The short report and evaluation of the practice in GP/FD office (1-2 pages).

 Submitting both electronically using Moodle.

**From Occupational Medicine:**

What students should prepare before the start of the block:

- during practice in the GP's office, each student should prepare 5 case reports of patients that she/he had the opportunity to examine – in addition to a comprehensive clinical examination of the patient, focus on their working history with an accurate description of the workload and possible risks. Then student should assess whether patient is still able to do the work (in Czech Republic - see Decree 79/2013 Coll.) or could be entitled to occupational disease (in Czech Republic - see Decree 104/2012 Coll. and List of occupational diseases as Annex NV 290/1995 Coll., as amended). If student undertakes the practice in mother`s country, she/he has to see if there are adequate regulations. These case reports should be submitted to Moodle no later than 1 day before the start of practice.

In the introductory seminar of the block, students will get additional tasks that they will process during the week.

Seminar work, i.e. all parts of it, will be uploaded to Moodle no later than 7 days before the state examination.