



## **Field of Study: Nursing**

### **Semester: Winter**

#### **Offered courses for the academic year 2021/2022 with descriptions:**

##### **1. Sociology**

The subject Sociology provides general knowledge of sociology as a science, leading sociologists including the sociology of medicine and medical professions including nursing, and social research, including conducting interviews and gathering information, useful for students of medical professions.

**ECTS: 2**

##### **2. Biochemistry**

Objectives of the course:

- familiarizing students with the function of the basic compounds found in the human body: proteins, carbohydrates, fats, nucleic acids;
- familiarization with the basic structures that build cells and tissues as well as metabolic processes taking place in cells;
- getting acquainted with the basic analytical methods used in a biochemical laboratory and developing the ability to observe and draw conclusions from biochemical experiments.

**ECTS: 1**

##### **3. Public Health**

Health Promotion introduces students to:

- the concept and tasks of public health;
- basic concepts of health and disease;
- health determinants;
- contemporary threats to public health;
- healthcare systems in Poland and in the world;



- issues of state health policy;
- health promotion and disease prevention issues.

**ECTS: 4**

#### **4. Physiology part 1**

Physiology is the study of phenomena, reactions, activities, mechanisms, and the laws of life. It not only examines the individual molecular functions of subcellular structures, cells, tissues, organs or systems, but also explains how they depend on one another throughout the body: the role of the central nervous system in the regulation of individual systems and organs; structure, muscle function; blood - composition, properties, role; cardiovascular function; structure and function of the respiratory system; organization and function of the endocrine system; kidney physiology, homeostasis; metabolism; digestive system function.

**ECTS: 1**

#### **5. Foreign language/English**

The task of the English language course is to familiarize students with the general and professional language at B1 level. The emphasis is on shaping the ability to navigate in topics related to the field of study in the field of listening, reading, writing and speaking.

**ECTS: 1**

#### **6. Internal Diseases and Internal Nursing**

The purpose of the course is:

1. Introducing students to:

- pathogenesis, symptoms, diagnosis and treatment of internal diseases,
- preparing students for nursing patients suffering from internal diseases.

2. To familiarize the student with:

- pathomechanism of diseases,
- modern methods of diagnosis and treatment,

-prophylaxis of internal diseases.

3. Preparing the student for:

-to care for the internist patients in individual disease entities depending on the stage of advancement, accompanying diseases, age and the treatment method used.

**ECTS: 3**

## **7. Pediatrics and Pediatric Nursing**

The aim of the course is to master the knowledge of pediatrics and pediatric nursing by students. Students learn the stages of proper ontogenetic development of a person and acquire the ability to assess the proper physical and psychomotor development of a child and the period of adolescence. Students learn about risk factors and health hazards of patients in developmental age, are able to name clinical symptoms and describe the course, treatment, prognosis and nursing care in diseases of children and adolescents. Students are prepared to identify nursing and therapeutic problems, select appropriate methods of nursing activities depending on the child's clinical condition, the period of illness, the child's age and the need for nursing care. The aim of the course is to shape and be able to prepare, participate and care for a child after diagnostic tests. Understanding by the student the health situation of the child and his family in relation to the disease.

**ECTS: 3**

## **8. Neurology and Neurological Nursing**

The aim of the course is to provide knowledge on the specificity of human neurological diseases; developing the ability to work with neurological patients in various life situations; indication of the place of neurology and neurological nursing among other scientific disciplines - presentation of neurology in the biological, psychosocial and behavioral dimensions Preparing students for the implementation of tasks in the field of self-diagnosis, planning and organization of nursing care for people suffering from neurological diseases.

**ECTS: 3**

## **9. Geriatrics and Geriatric Nursing**

The aim of the course is to provide knowledge about the aging process and old age of man; developing the ability to work with elderly people in various life situations; indicating the place of gerontology and

geriatrics among other scientific disciplines - presenting the issues of aging and old age in the biological, psychosocial and behavioral dimensions; the use of sociological concepts and categories in the description and explanation of the phenomena and processes related to aging; determining the place and role of old people in society and determining the conditions of the daily functioning of seniors and their participation in social life. Preparing students for the implementation of tasks in the field of self-diagnosis, planning and organization of nursing care for the elderly, regardless of the health situation and the place of stay of the student / ward.

**ECTS: 3**

### **10. Obstetrics, Gynecology and Gynecological Nursing**

Knowledge in the field of obstetrics and gynecology provided in a practical and theoretical way.

**ECTS: 2**

### **11. Radiology**

During the lectures, the student will learn about the following topics:

1. Historical overview of radiology.
2. The physical basis of the formation of X-rays.
3. The interaction of X-rays with matter and its effects.
4. Methods of patient and staff protection against ionizing radiation.
5. Contrast agents used in CT and MR, possible complications.
6. X-ray diagnostics - types of tests divided into areas of the body  
the risks arising from the study
7. Computed tomography (CT) - types of examinations performed, indications.
8. Magnetic resonance imaging (MR) - types of examinations performed, indications.
9. Interventional radiology based on invasive cardiology - types of procedures, nurse's role, radiation protection.

10. Ultrasonography - indications, types of examinations.

11. The role of the nurse in the Imaging Diagnostics Department.

**ECTS: 1**

## **12. Palliative Care**

The aim of the course is:

1. Introducing students to:

- ideas, assumptions and goals of palliative care in relation to terminally ill,
- methods of alleviating unpleasant ailments resulting from the progressive disease process,
- methods of supporting the patient and his family and / or caregivers in the disease.

2. To familiarize the student with:

- thanatology themes,
- methods of total pain relief in the course of advanced cancer,
- stages of dying,
- burnout syndrome in the course of providing care for terminally ill and frequent contact with death.

3. Preparing the student for:

- professional care for the dying sick and his family.

**ECTS: 2**

## **13. The Basic of Nursing**

Objectives of the course:

- learning the theoretical basics of nursing,
  - shaping the ability to perform diagnostic procedures,
- care, healing and improving the human being in various ways



health condition and at different ages,

- learn about the basic working methods of a nurse and their selection depending on  
on the category of recipients.

**ECTS: 5**

