UNIVERSITY
OF WARMIA AND MAZURY
IN OLSZTYN

School of Health Sciences

Course title: RADIOLOGY- MIDWIFERY

ECTS credit allocation (and other scores): 1ECTS

Semester: spring

Level of study: ISCED-6 - first-cycle programmes (EQF-6)

Branch of science: Medical and health sciences

Language: English

Number of hours per semester: 32

Course coordinator/ Department and e-mail: anna.zurada@uwm.edu.pl

Type of classes: classes and lectures

Substantive content

CLASSES: The roles of stuff nurses in radiological department, responsibility for the safety and comfort of the patients during radiological procedures. Examples of different imaging methods and interpretation of the particular examinations. Diagnostic imaging used in gynecology and obstetrics, indications and contrindications, and interpretation of selected, particular cases. Diagnostic imaging of the chest, abdominal and pelvic organs. Diagnostic imaging of breast, indications and contrindications, and te most common problems and diseases. Discussion of problems related to imaging diagnostics of the head and neck. Diagnostic imaging of the central nervous system. Emergency radiology.

LECTURES: Introduction to radiology. The physical basis of diagnostic imaging techniques, X-ray radiation. Types of devices and machines used for radiological diagnostics. Preparation of the patient for different radiological examinations. Rules of radiological protection. Contrast agents used in radiology diagnostics.

Learning purpose: Familiarizing students with diagnostic methods: classical radiology, ultrasound, CT, MRI, and mammography.

On completion of the study programme the graduate will gain:

Knowledge: The student knows the diagnostic imaging methods and the principles of radiological protection.

Skills: The student knows how to apply the principles of radiation protection.

Social Competencies: Respect of the patient's rights. Recognition of own limitations and self-assessment of deficits and educational needs.

Basic literature:
1. Herring William. Learning Radiology Recognizing the Basics 4ed
2. Edward C. Weber, Joel A Vileńsky, Stephen W Carmichael. Netter’s Concise Radiologic Anatomy.
3. Paula j Woodward. Imaging anatomy ultrasound 2ed
Supplementary literature:
1. Carol M and Rumack. Diagnostic ultrasound 5ed.
2. Aya Kamaya and Jade Wang. Diagnostic ultrasound: abdomen and pelvis 1st ed.
3. Shaaban Akram. Diagnostic Imaging: Gynecology. 2nd ed.
4. CT and MRI imaging of Gynecological Emergencies
5. Brand and Helms. Fundamentals of Diagnostic Radiology

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 22

Student's independent work: 10