



48SJO-FAIES
ECTS: 1.00
CYCLE: 2023

Course syllabus - part A

First Aid in Emergency Situations

SUBJECT MATTER CONTENT

LECTURE

Fainting. Nosebleed. Drowning. Electrocution. Heart attack. Seizures. Hypothermia. Hyperthermia. First aid in pregnant women. Electrical and chemical burns. Frostbites. Types of wounds. Eye wound. Sprains and strains. Injuries of various body parts. Cramps

SEMINAR

Sudden cardiac arrest (SCA) in adults. SCA epidemiology in Poland and worldwide. Anatomy and physiology of cardiovascular system. Definition and causes of SCA. Relation between cardiac arrest and respiratory arrest. clinical and biological death. assessment using AVPU scale. Chain of survival. BLS (Basic life support) in adults. Airway opening in case of suspected spine injury. AED – principles of operations and implementation. Recovery position. CPR termination. Social education as a way of SCA prevention. Sudden cardiac arrest in children. Definitions: neonate, newborn, infant, child. Differences in anatomy and physiology between adult and child. SCA causes in adults and children. Choking child: symptoms and management. Other causes and prevention of sudden cardiac arrest and death in children. BLS in children. Comparison of BLS in infants/children and in infants/adults. AED implementation in children. BLS in pregnant woman

CLASSES

BLS CPR in adults. Recovery position. Part 1. BLS CPR in adults. Recovery position. Part 2. BLS CPR in children. AED.

TEACHING OBJECTIVE

After finishing the course student will be able to: identify the goals of first aid, identify the actions that should be taken in an emergency by a bystander, describe how to perform a scene survey, identify situations in which EMS should be called and know how to contact EMS personnel, identify the ways to minimize the cross infections, describe and demonstrate when and how to perform BLS for an adult, child and infant, describe and demonstrate how to provide first aid for a choking adult, child and infant, describe and demonstrate how to provide first aid in case of bleeding, describe and demonstrate how to provide basic first aid for most common conditions (fractures, injuries, strains, sprains, cramps, internal and external bleeding, burns, shock, allergic reactions, heat and cold injuries, seizures, sudden sickness, diabetic emergencies).

**DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE
IN RELATION TO THE DESCRIPTION OF THE
CHARACTERISTICS OF THE SECOND LEVEL LEARNING
OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE
POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE
SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF
STUDY:**

Legal acts specifying learning outcomes:
3112022

Disciplines: medical sciences

Status of the

course: Obligatory

Group of courses: A -

przedmioty podstawowe

Code: ISCED 0912

Field of study: Medicine

Scope of

education: Medicine

Profile of education:

General academic

Form of studies: full-time

Level of studies: uniform

master's studies

Year/semester: /1

Types of classes: Lecture,
Seminar, Classes

Number of hours in

semester: Lecture: 6.00,

Seminar: 4.00, Classes: 10.00

Language of

instruction: English

Introductory subject:

anatomy

Prerequisites: anatomy

Name of the organisational unit conducting the

course: Katedra Medycyny
Ratunkowej

Person responsible for the realization of the course: dr

n. med. Rakesh Jalali

e-mail:

rakesh.jalali@uwm.edu.pl

Additional remarks:

Symbols for outcomes related to the discipline:

M/NMA_P7S_WG+++

Symbols for outcomes related to the field of study:

K.2.+, E.W6.+, E.U7.+, F.U10.+, K.5.+, F.W7.+, K.1.+, E.U14.+

LEARNING OUTCOMES:

Knowledge:

W1 – F.W7. the guidelines to cardiopulmonary resuscitation in newborn babies, children and adults;

W3 – E.W6. the most frequent life-threatening conditions in children and the rules of procedure in such conditions;

Skills:

U1 – E.U.7. evaluate the overall condition, state of consciousness, and awareness of the patient;

U2 – E.U14. recognise immediately life-threatening conditions;

U3 – F.U10. perform basic resuscitation procedures using an automated external defibrillator, and other rescue operations, and provide first aid;

Social competence:

K1 – noticing and recognizing own limitations and self-assessment of deficits and educational needs

K2 – He is guided by the good of the patient, putting them first.

K3 – Is able to establish and maintain a deep and respectful contact with the sick person.

TEACHING FORMS AND METHODS:

Lecture(W1;W3;U1;U2;U3;K1;K2;K3;):LECTURE WITH MULTIMEDIA PRESENTATION

Seminar(W1;W3;U1;U2;U3;K1;K2;K3;):SEMINAR WITH MULTIMEDIA PRESENTATION, DISCUSSION

Classes(W1;W3;U1;U2;U3;K1;K2;K3;):PRACTICAL CLASSES WITH PHANTOM

FORM AND CONDITIONS OF VERIFYING LEARNING

OUTCOMES:

Lecture (Competention test) - single choice test -

Seminar (Colloquium test) - single choice test -

Classes (Colloquium practical) - A practical test covering the scope of knowledge acquired during the exercises -

BASIC LITERATURE:

1. ERC, *European Resuscitations Council 2021 guidelines*., Wyd. ERC, R. 2021

2. St. John Ambulance St. Andrew's Ambulance Association and British Red Cross Society, *FIRTS AID 8th edition*, Wyd. HD, R. 2022

SUPPLEMENTARY LITERATURE:

1. Judith Tintinalli, 1) *"Emergency Medicine – A comprehensive guide"*, t.6., Wyd. McGraw-Hill, R. 2021

Detailed description of ECTS credits awarded - part B

48SJO-FAIES
ECTS: 1.00
CYCLE: 2023

First Aid in Emergency Situations

The number of ECTS credits awarded consists of:

1. Contact hours with the academic teacher:

- participation in: Lecture	6.0 h
- participation in: Seminar	4.0 h
- participation in: Classes	10.0 h
- consultation	2.0
Total: 22.0 h.	

2. Independent work of a student:

prepare to MCQ	3.00 h
----------------	--------

Total: 3.0 h

contact hours + independent work of a student Total: 25.0 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS credit = 25.0 h : 25.0 h/ECTS
= 1.00 ECTS on average: 1.0 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher: 0,00 ECTS points,

- including the number of ECTS credits for hours of independent work of a student: