

**Course syllabus – part A****48SJO-TVaP****2024****ECTS: 1.50****SUBJECT MATTER CONTENT:**

Lab classes in English - An introduction to the basic principles of toxicology in plain language while illuminating the most important issues without too many technical details that require extensive chemistry expertise. The course will focus on toxins unique to the modern world, poisonous mushrooms native to Europe, venomous animals from around the world and poisonous plants mainly from Europe that are either toxic and/or used medicinally.

TEACHING OBJECTIVE:

To provide the knowledge of various toxins, venoms and poisons that may effect the human body.

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:

Symbols for outcomes related to the discipline:

M/NMA_P7S_KR+, M/NMA_P7S_UW++, M/NMA_P7S_WG++

Symbols for outcomes related to the field of study:

KA7_KR1+, B.U11.+, C.U13.+, C.W26.+, C.W13.+

LEARNING OUTCOMES (Knowledge, Skills, Social competence):

- K1** Student discusses and expresses opinions concerning toxic substances on the human body, and also expresses opinions on the scientific results from reading the literature.
- U1** The student is able to classify toxic substances based on patterns and determine the threat posed to human life
- U2** The student is able to describe the various chemical threats to the human organism
- W1** The student knows the basic concepts and hazards of toxins, venoms and poisons.
- W2** The student describes the threats to human life that may occur when the organism is exposed to dangerous substances.

TEACHING FORMS AND METHODS:

Classes-['W1', 'U1', 'K1', 'W2', 'U2']-Lab classes in English-Lab classes in English - An introduction to the basic principles of toxicology in plain language while illuminating the most important issues without too many technical details that require extensive chemistry

Legal acts specifying learning outcomes: 467/2024 (Medicine),
Status of the course:
Group of courses:
Discipline: Medical Sciences

Program: Medicine
Form of studies: full-time
Level of studies: uniform master's studies

Introductory subject: no prerequisites

Prerequisites: no prerequisites

Coordinators:

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expertise. The course will focus on toxins unique to the modern world, poisonous mushrooms native to Europe, venomous animals from around the world and poisonous plants mainly from Europe that are either toxic and/or used medicinally.

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Classes-(Evaluation of the work and cooperation in the group)-['U1', 'U2']-Assessment of a written report on the tasks carried out during the classes

Classes-(Presentation)-['W1', 'U1', 'K1', 'W2', 'U2']-Assessment of the multimedia presentation on a given topic

Literature:

1. ***Modern Poisons: A Brief Introduction to Contemporary Toxicology***, Alan Kolok, Island Press, USA, 2016, Strony: , Tom:ISBN: 978-1610913812 (literatura podstawowa)





Detailed description of ECTS credits awarded - part B

48SJO-TVaP

2024

ECTS: 1.50

The number of ECTS credits awarded consists of:

1. Contact hours with the academic teacher:

- participation in:	20 h
- consultation	2 h
Total:	22 h

2. Independent work of a student:

participation in exercises	15.50 h
Total:	15.50 h

Total (contact hours + independent work of a student): 37.50 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS,
ECTS Points = 37.50 h : 25 h/ECTS = **1.50** ECTS

Average: 1.50 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher	0.88 ECTS
- including the number of ECTS credits for hours of independent work of a student	0.62 ECTS