



**Course syllabus - part A**  
**INFORMATION TECHNOLOGY AND BIostatISTICS**

**48SJ-ITAB**  
**ECTS: 50.00**  
**CYCLE: 2022L**

**SUBJECT MATTER CONTENT**

**LECTURE**

**COMPUTER CLASSES**

ĆWICZENIA:

**TEACHING OBJECTIVE**

**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\_WG+++ , M/NMA\_P7S\_KO+ ,  
M/NMA\_P7S\_UW+++ , M/NMA\_P7S\_KR+ , M/NM+  
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**Symbols for outcomes  
related to the field of study:**

B.U10.+ , M/NM\_B.W.27.++ , M/NM\_K.8.+ ,  
M/NM\_B.W26.+++ , B.U13.+ , B.U11.+

**LEARNING OUTCOMES:**

**Knowledge:**

W1 -  
W2 -  
W3 -

**Skills:**

U1 -  
U2 -

**Social competence:**

K1 -

**TEACHING FORMS AND METHODS:**

Lecture(W1;W2;W3;K1;);  
Computer classes(W1;W3;U1;U2;K1;);

**FORM AND CONDITIONS OF VERIFYING LEARNING  
OUTCOMES:**

Lecture: Competention test - (W2;W3;U2;K1;);  
Computer classes: Report - (W1;W3;U1;U2;);  
Computer classes: Competention test - (W2;W3;U2;K1;);

**Legal acts specifying  
learning outcomes:**  
672/2020  
**Disciplines:** medical sciences  
**Status of the course:**  
**Group of courses:**  
Code: ISCED 0912  
**Field of study:**Medicine  
**Scope of education:**  
**Profile of education:**  
General academic  
**Form of studies:** full-time  
**Level of studies:** uniform  
master's studies  
**Year/semester:** 1/2

**Types of classes:** Lecture,  
Computer classes  
**Number of hours in  
semester:**Lecture: 5.00,  
Computer classes: 25.00  
**Language of  
instruction:**English  
**Introductory subject:**  
**Prerequisites:**

**Name of the organisational  
unit conducting the  
course:**Katedra Ekologii i  
Ochrony Środowiska  
**Person responsible for the  
realization of the course:**dr  
hab. wet. Jacek Nowakowski,  
prof. UWM  
**e-mail:**  
jacek.nowakowski@uwm.edu.  
pl

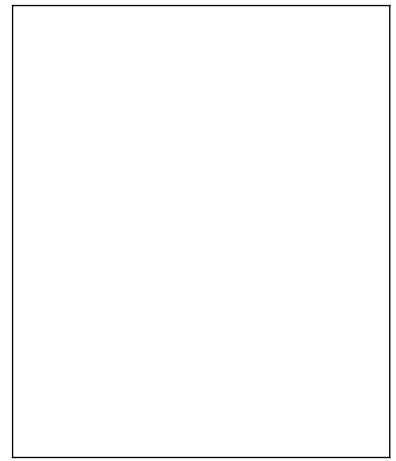
**Additional remarks:**

**BASIC LITERATURE:**

1. Riffenburgh R.H, *Statistics in medicine*, Wyd. Elsevier Academic Press, R. 2006
2. Machin D., Campbell M.J., Walters S.J.,, *Medical Statistics*, Wyd. John Wiley and Sons Ltd, R. 2021
3. none, , *documentation Google Docs*, Wyd. none, R. 2022
4. none, *Prezi Tutorials*, Wyd. none, R. 2022
5. none, *Wordpress Tutorials*, Wyd. none, R. 2022
1. <https://docs.tibco.com/data-science/textbook>

**SUPPLEMENTARY LITERATURE:**

1. Peacock J.L., Peacock P.J., *Oxford Handbook of Medical Statistics*, Wyd. Oxford Univ. Press, R. 2011



## Detailed description of ECTS credits awarded - part B

**48SJ-ITAB**

**ECTS: 50.00**

**CYCLE: 2022L**

### INFORMATION TECHNOLOGY AND BIostatISTICS

The number of ECTS credits awarded consists of:

1. Contact hours with the academic teacher:

- participation in: Lecture	5.0 h
- participation in: Computer classes	25.0 h
- consultation	2.0
	Total: 32.0 h.

2. Independent work of a student:

18.00 h

Total: 18.0 h

contact hours + independent work of a student Total: 50.0 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS credit = 50.0 h : 1 h/ECTS = 50.00 ECTS on average: 2.0 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: