



Healthcare Epidemiology and Infection Prevention and Control

1. IMPRINT

Academic Year	2023/2024
Department	Faculty of Medicine
Field of study	Medicine
Main scientific discipline	Medical Science
Study Profile	General academic
Level of studies	Uniform MSc
Form of studies	Full time studies
Type of module / course	Non-compulsory
Form of verification of learning outcomes	Completion
Educational Unit / Educational Units	Department of Social Medicine and Public Health Medical University of Warsaw 3 Oczki St, 02-007 Warsaw Phone: 22-621-52-56, 22-621-51-97 E-mail: zmsizp@wum.edu.pl
Head of Educational Unit / Heads of Educational Units	Prof. dr hab. n. med. Aneta Nitsch-Osuch
Course coordinator	Dr hab. n. med. Patryk Tarka e-mail: patryk.tarka@wum.edu.pl
Person responsible for syllabus	Dr hab. n. med. Patryk Tarka e-mail: patryk.tarka@wum.edu.pl
Teachers	Dr hab. n. med. Patryk Tarka e-mail: patryk.tarka@wum.edu.pl

2. BASIC INFORMATION

Year and semester of studies	1st-6th; winter and summer semesters (e-learning)	Number of ECTS credits	2.00
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FORMS OF CLASSES	Number of hours	ECTS credits calculation
Contacting hours with academic teacher		
Lecture (L)		
Seminar (S)	30 (e-learning)	2.00
Discussions (D)		
e-learning (e-L)		
Practical classes (PC)		
Work placement (WP)		
Unassisted student's work		
Preparation for classes and completions		

3. COURSE OBJECTIVES

O1	Presentation of transmission modes and methods to prevent the spread of infectious in the human population.
O2	Familiarizing students with the principles of proper aseptic and antiseptic procedures.

4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING

Code and number of the effect of learning in accordance with standards of learning	Effects in time <i>(in accordance with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</i>
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Knowledge – Graduate* knows and understands:

G.K1	Implementation of infection control program
G.K2	Recognition of nosocomial infection risk factors.
G.K3	types and species as well as structure of viruses, bacteria, fungi and parasites, their biological features and mechanisms of pathogenicity

Skills– Graduate* is able to:

G.S1	select and perform tests indicating the number of bacteria in body fluids
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* In appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019 „graduate”, not student is mentioned.

5. ADDITIONAL EFFECTS OF LEARNING *(non-compulsory)*

Number of effect of learning	Effects of learning in time
Knowledge – Graduate knows and understands:	
K1	
K2	
Skills– Graduate is able to:	
S1	
S2	
Social Competencies – Graduate is ready for:	
SC1	
SC2	

6. CLASSES		
Form of class	Class contents	Effects of Learning
–e-Seminar 1	Healthcare epidemiology and infection control	C W 1, C W 2,C W 3,C W 4,C U2, C U 3
–e-Seminar 2	Epidemiologic Case Studies	C W 1, C W 2,C W 3,C W 4,C U2, C U 3
–e-Seminar 3	Infection Control & Prevention – Tune in to Safe Healthcare Webinar Series	C W 1, C W 2,C W 3,C W 4,C U2, C U 3
–e-Seminar 4	Prevention of surgical site infection (SSI)	C W 1, C W 2,C W 3,C W 4,C U2, C U 3
–e-Seminar 5	Project Firstline	C W 1, C W 2,C W 3,C W 4,C U2, C U 3
–e-Seminar 6	C. diff (Clostridioides difficile)	C W 1, C W 2,C W 3,C W 4,C U2, C U 3
–e-Seminar 7	Candida auris (C. auris)	C W 1, C W 2,C W 3,C W 4,C U2, C U 3
–e-Seminar 8	Carbapenem-resistant Enterobacteriaceae (CRE)	C W 1, C W 2,C W 3,C W 4,C U2, C U 3
–e-Seminar 9	Norovirus	C W 1, C W 2,C W 3,C W 4,C U2, C U 3
–e-Seminar 10	Methicillin-resistant Staphylococcus aureus (MRSA)	C W 1, C W 2,C W 3,C W 4,C U2, C U 3

7. LITERATURE

Obligatory

1. <http://www.cdc.gov/hai> - types of infection, guidelines, prevention, laboratory testing.
2. Global Guidelines for the Prevention of Surgical Site Infection. Geneva: World Health Organization; 2018.

Supplementary

1. EASL <https://www.easl.eu/>, AASLD <https://www.aasld.org/>, IDSA www.idsociety.org/

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion														
C W 1, C W 2, C W 3, C W 4, C U2, C U 3	<ol style="list-style-type: none"> 1. Written reports 2. Final test 20 single-choice questions, in e-learning form. 	<ol style="list-style-type: none"> 1. credit 2. Final test: <table border="1"> <thead> <tr> <th>Grade</th> <th>Criterion</th> </tr> </thead> <tbody> <tr> <td>2,0 (failed)</td> <td>< 8 pkt</td> </tr> <tr> <td>3,0 (acceptable)</td> <td>9-11 pkt</td> </tr> <tr> <td>3,5 (acceptable plus)</td> <td>12-14 pkt</td> </tr> <tr> <td>4,0 (good)</td> <td>15-16 pkt</td> </tr> <tr> <td>4,5 (good plus)</td> <td>17-18 pkt</td> </tr> <tr> <td>5,0 (very good)</td> <td>19-20 pkt</td> </tr> </tbody> </table> 	Grade	Criterion	2,0 (failed)	< 8 pkt	3,0 (acceptable)	9-11 pkt	3,5 (acceptable plus)	12-14 pkt	4,0 (good)	15-16 pkt	4,5 (good plus)	17-18 pkt	5,0 (very good)	19-20 pkt
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4,0 (good)	15-16 pkt															
4,5 (good plus)	17-18 pkt															
5,0 (very good)	19-20 pkt															

9. ADDITIONAL INFORMATION

The course is available on the platform www.e-learning.wum.edu.pl.
Student must learn all materials uploaded to the modules on the platform.
Student must pass the final test (available on the e-learning platform) to obtain a credit.
Two attempts for the final test are allowed.
Printing the certificate is possible only if the student has fulfilled criteria: passed the final test and written reports

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ATTENTION

The final 10 minutes of the last class of the block/semester/year should be allotted for students to fill out the Survey of Evaluation of Classes and Academic Teachers