



Clean Treatment - Safe Treatment

1. IMPRINT	
Academic Year	2024/2025
Department	Department of Social Medicine and Public Health
Field of study	English Dentistry Division
Main scientific discipline	Medical Science
Study Profile	Practical profile
Level of studies	1st level studies, full time
Form of studies	Full time studies
Type of module / course	Optional
Form of verification of learning outcomes	Completion
Educational Unit / Educational Units	Department of Social Medicine and Public Health Pawińskiego 3a Street,
Head of Educational Unit / Heads of Educational Units	Prof. dr hab. n. med. Aneta Nitsch-Osuch
Course coordinator	Dr hab. n. med. Patryk Tarka patryk.tarka@wum.edu.pl
Person responsible for syllabus	Dr hab. n. med. Patryk Tarka patryk.tarka@wum.edu.pl
Teachers	Dr hab. n. med. Patryk Tarka patryk.tarka@wum.edu.pl

2. BASIC INFORMATION			
Year and semester of studies		Number of ECTS credits	0.00

FORMS OF CLASSES	Number of hours	ECTS credits calculation
Contacting hours with academic teacher		
Lecture (L)		
Seminar (S)		
Classes (C)		
e-learning (e-L)	30 (e-learning)	2.00
Practical classes (PC)		
Work placement (WP)		
Unassisted student's work		
Preparation for classes and completions	30	1.00

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.
O3	Familiarizing students with the ability to perform disinfection and sterilization procedures in the office.

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 the field of: <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:

C.W4.	species of bacteria, viruses, fungi, and parasites which are the most common aetiological agents of infections and contagion;
C.W5.	basics of disinfection, sterilisation, and aseptic management;

Skills– Graduate* is able to:

E.U6.	plan procedures in the event of exposure to blood-borne infections;
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G.U20.	organize the work environment to ensure the safety of the patient and others, considering the influence of human factors and principles of ergonomics.
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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 in the fields of:
Knowledge – Graduate knows and understands:	
K1	Risk of transmission of infections associated with medical procedures
K2	Methods of preventing HBV, HCV and HIV infections in a medical facility
K3	Mode of Action of Disinfection Chemicals
K4	Sterilization Process Controls
K5	“No-touch” automated room disinfection systems
Skills– Graduate is able to:	
S1	Follow the current WHO guidelines: 5 steps of hand hygiene in healthcare
S2	Apply procedures to prevent the spread of blood-borne infections when providing health services
S3	Discuss the principles of disinfection, preparation of medical equipment for sterilization, replace devices used for sterilization and disinfection in health care facilities
S4	Draw up hygiene procedures in the dentist's office and a hygiene plan
S5	Discuss standards of chemical disinfectants
Social Competencies – Graduate is ready for:	
SC1	
SC2	

6. CLASSES		
Form of class	Class contents	Effects of Learning
E-learning 1	Characteristics of blood-borne virus viruses	C.W4, K1
E-learning 2	Prevention after occupational exposure on biological material — HIV, HBV, HCV — in clinical practice	E.U6., G.U20, K2
E-learning 3	WHO guidelines on hand hygiene in health care	C.W5., G.U20, S1, S4

E-learning4	Occupational Contact Dermatitis	S1
E-learning 5	Dental Decontamination 1: Surfaces, other key areas, no-touch automated room disinfection (NTD) systems	C.W5., G.U20, K3, K5, S2, S3, S4
E-learning 6	Dental Decontamination 2: Instruments and other items	C.W5., G.U20, K3, K5, S2, S3, S4
E-learning 7	Reprocessing Cycle Transport Holding and Pre-Cleaning Solutions Instrument Cleaning and Disinfection Inspecting Instruments and Items Packaging	C.W5., G.U20, K3, K5, S2, S3, S4
E-learning 8	Instrument Sterilisation Types of autoclaves Central Sterilisation / Decontamination Area Storage of Instruments	C.W5., G.U20, K4, S2, S3, S4
E-learning 9	EU disinfectant standards	C.W5., G.U20, S5

7. LITERATURE

Obligatory

1. World Health Organization. WHO Guidelines on Hand Hygiene in Health Care. In: World Alliance for Patient Safety, editor. First Global Patient Safety Challenge Clean Care is Safer Care. 1 ed. Geneva: World Health Organization Press; 2009.
2. Decontamination and reprocessing of medical devices for health-care facilities World Health Organization, Geneva; 2016

Supplementary

1. EASL <https://www.easl.eu/>, AASLD <https://www.aasld.org/>, IDSA www.idsociety.org/
2. <http://www.cdc.gov/hai> - types of infection, guidelines, prevention, laboratory testing.

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
C.W 4, C.W 5, E.U6, G.U20., K1,K2,K3.K4, K5,S1, S2, S3, S4,S5.	1.Final test 20 single-choice questions, in e-learning form	2.Final test: Grade 2,0 (failed) Criterium < 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

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