



## Clean Treatment - Safe Treatment

<b>1. IMPRINT</b>	
<b>Academic Year</b>	2021/2022
<b>Department</b>	Faculty of Dental Medicine
<b>Field of study</b>	English Dentistry Division
<b>Main scientific discipline</b> <i>(in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	Medical sciences
<b>Study Profile</b> <i>(general academic / practical)</i>	General academic
<b>Level of studies</b> <i>(1<sup>st</sup> level / 2<sup>nd</sup> level / uniform MSc)</i>	Uniform MSc
<b>Form of studies</b>	Full-time program
<b>Type of module / course</b> <i>(obligatory / non-compulsory)</i>	Optional
<b>Form of verification of learning outcomes</b> <i>(exam / completion)</i>	Completion
<b>Educational Unit / Educational Units</b> <i>(and address / addresses of unit / units)</i>	Department of Social Medicine and Public Health Oczki 3 Street,

<b>Head of Educational Unit / Heads of Educational Units</b>	Prof.dr hab. n. med. Aneta Nitsch-Osuch, . anitsch@wum.edu.pl
<b>Course coordinator</b> (title, First Name, Last Name, contact)	Prof.dr hab. n. med. Aneta Nitsch-Osuch, . anitsch@wum.edu.pl
<b>Person responsible for syllabus</b> (First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)	Dr n. med. Patryk Tarka patryk.tarka@wum.edu.pl
<b>Teachers</b>	Dr n. med. Patryk Tarka

## 2. BASIC INFORMATION

<b>Year and semester of studies</b>	<b>1-4<sup>th</sup> year, 3<sup>th</sup> semester</b>	<b>Number of ECTS credits</b>	
<b>FORMS OF CLASSES</b>		<b>Number of hours</b>	<b>ECTS credits calculation</b>
<b>Contacting hours with academic teacher</b>			
Lecture (L)			
Seminar (S)			
Discussions (D)			
e-learning (e-L)		30 (e-learning)	
Practical classes (PC)			
Work placement (WP)			
<b>Unassisted student's work</b>			
Preparation for classes and completions		15	

## 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** (concerns fields of study regulated by the Regulation of Minister of Science and Higher Education from 26 of July 2019; does not apply to other fields of study)

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

C.W5.	basics of disinfection, sterilisation and aseptic management
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**Skills– Graduate\* is able to:**

E.U6.	plan the procedure in the case of exposure to blood-borne infections
G.U21.	apply sanitary and epidemiological and occupational health and safety regulations

\* 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)

<p><b>Number of effect of learning</b></p>	<p><b>Effects of learning i time</b></p>
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**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
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**Social Competencies – Graduate is ready for:**

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<b>6. CLASSES</b>		
<b>Form of class</b>	<b>Class contents</b>	<b>Effects of Learning</b>
E-learning 1	Characteristics of blood-borne virus viruses	G.S21.,K1
E-learning 2	Prevention after occupational exposure on biological material — HIV, HBV, HCV — in clinical practice	E.S6.,K2
E-learning 3	WHO guidelines on hand hygiene in health care	C.K5.,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.K5.,K3,K5,S2,S3,S4
E-learning 6	Dental Decontamination 2: Instruments and other items	C.K5.,K3,S2,S3,S4
E-learning 7	Reprocessing Cycle Transport Holding and Pre-Cleaning Solutions Instrument Cleaning and Disinfection Inspecting Instruments and Items Packaging	C.K5.,K3,S2,S3,S4
E-learning 8	Instrument Sterilisation Types of autoclaves Central Sterilisation / Decontamination Area Storage of Instruments	C.K5.,K3,S2,S3,S4
E-learning 9	EU disinfectant standards	C.K5.S5

<b>7. LITERATURE</b>
<b>Obligatory</b>
1. World Health Organisation. 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 Organisation Press; 2009.
2. Decontamination and reprocessing of medical devices for health-care facilities World Health Organization, Geneva (2016)
3. Instrument reprocessing In Dental Practices - How To Do It Right, 4th anniversary edition 2016, www.a-k-i.org

### Supplementary

1. EASL <https://www.easl.eu/> , AASLD <https://www.aasld.org/> , IDSA [www.idsociety.org/](http://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.W5.,G.U21.,E.U6., K1,K2,K3,K4,K5, S1,S2,S3,S4,S5.	Final test 30 single-choice questions, in e-learning form.	Final test: Grade                      Criterium 2,0 (failed)                <15 pkt. 3,0 (acceptable)        15-18 pkt 3,5 (acceptable plus) 19-21 pkt 4,0 (good)                22-24 pkt 4,5 (good plus)        25-27 pkt 5,0 (very good)        28-30 pkt

## 9. ADDITIONAL INFORMATION *(information essential for the course instructor that are not included in the other part of the course syllabus e.g. if the course is related to scientific research, detailed description of, information about the Science Club)*

The course is available on the platform [www.e-learning.wum.edu.pl](http://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.  
After passing the final test, student must print a certificate and show it at the office of the Department of Social Medicine and Public Health to obtain a written confirmation of the credit in the index (the certificate can be sent by e-mail to [msizp@wum.edu.pl](mailto:msizp@wum.edu.pl)).  
Printing the certificate is possible only if the student has fulfilled criteria: passed the final test