STANDARD COURSE SYLLABUS
for academic year 2012/2013

Description of subject matter – Instructional program			
Name of subject:	Dental Materials	**Module code according to standards from A to G**	
Director of unit conduction the course:	Dr n. med Danuta Nowakowska		
Faculty:	Dental-Medical		
Course of study:	Dental-medical		
Level of studies	Unitary D.M.D.		
Form of studies	full-time X extramural		
Year:	II	Semester: 4	
Type of subject	obligatory X elective		
Language of instruction:	english		

Name of unit conducting course	Winter semester (hrs.)			Summer semester (hrs.)		
	L	C	S	L	C	S
Prosthetic Cathedral Medical University Wrocław				15	45	
Dental materials Department						
Total:				15	45	

Educational goals *(goals for lessons set by instructor, related to the results of education, max. 6 items)*

C1.

Matrix of educational results for subjects in reference to methods for verifying intended educational results and manner of conducting lessons.

Number of educational result	Description of educational result *(in conformance with detailed educational results defined in standards)*	Methods for verifying achievement of intended educational results *	Manner of lessons: ** provide symbol
W 01	1. Physico-mechanical properties of dental materials. 2. Biocompatibility of dental materials. 3. Dental technology. 4. Dental laboratory organization. 5. Dental equipment.	Written examination, oral response. Evaluatin of students laboratory work	L,C,S
W 02	1. General classes of dental materials. Physical and mechanical properties of dental materials.	Written examination, oral response. Evaluatin of students laboratory work	L,C,S

	Written examination, oral L,C,S response. 2. Ev L,C,S aluatin of students laboratory work 3. Biocompatibility of dental materials. 4. Impression materials. 5. Gypsum products and other die materials. 6. Isolating materials. 7. Dental waxes. 8. Acrylic denture base resins – normal and selfcuring. 9. Chemistry of polymerization of acrylic denture base resins. 10. Thermoplastic polymers and their technology. 11. Finishing and polishing dental materials. 12. Soft resins and their technology. 13. Dental alloys and casting technology. 14. Casting investments. 15. Technique of joining facing materials with alloys surface. 16. Composite materials and their technology. 17. Dental ceramic and their technology. .		
W 03	Practical: 1. Dental laboratory organization, equipment and instruments. 2. Dental plasters and isolating materials. 3. Impression materials and impression trays. 4. Dental waxes. 5. Acrylic resins-normal curing, polymerization of resins. 6. Acrylic resins-selfcuring. 7. Finishing and polishing materials. 8. Dental alloys and casting investments technology	Written examination, oral response. Evaluatin of students laboratory work	L,C,S
U1	Properties and practical	Written examination,	L,C,S

	application of dental materials in dental technology used in prosthetic dentistry.	oral response. Evaluatin of students laboratory work	

*e.g. test, presentation, oral response, essay, report, colloquium, oral examination, written examination;
** L- lecture; S- seminar; C- class; EL- e-learning;

Student work input (balance of ECTS points)	
Lessons on-site (hrs.)	
Own work (hrs.)	
Summary of student workload	
ECTS points for subject	5
Remarks	

Content of lessons: *(please provide the subject of individual lessons, keeping in mind the need to contribute to the intended educational results)*

Properties and practical application of dental materials in dental technology used in prosthetic dentistry.

Primary and secondary literature

1. Robert G. Craig, John M. Powers., John C. Wataha: Dental Materials, Properties and Manipulation, 8th edition, Mosby 2000.
2. E.C. Combe: Notes on Dental Materials, 6th edition, Pearson Professional Limited 1997.

Additional literature:

1. Marcia Gladwin, Michael Bagby: Clinical Aspects of Dental Materials Theory, Practice and Cases ISBN – 2nd ed., Philadelphia: Lippincott Williams & Wilkins, 2004.
2. Kenneth J Anusavice, Phillips' Science of Dental Materials, 11th Ed. Saunders 2003.

Requirements concerning instructional aids *(e.g. laboratory, multimedia projector, other …)*

Phantom room, dental lab, multimedia projector, compute, laboratory equipment , phantoms.

Conditions for successful completion of course:

Pass manual training and final test

Name and address of unit conducting course, contact information (tel./email):
Dental Materials Department Prosthetic Cathedral Medical University Wrocław
ul. Krakowska 26, 50-425 Wrocław, tel. 71 784 02 91, 71 784 02 77, fax. 71 784 02 92,
e-mail: protetyka.stom@am.wroc.pl

Person responsible for the course for a given year
Dr n. med. Danuta Nowakowska

Signature of head of unit conducting the course **Signature of dean**

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Date of syllabus drafting: 12.09.2012