Appendix No.3
to Resolution No. 2303
of Senate of Wroclaw Medical University
of 28 April 2021

Syllabus for academic year: 2021/2022 Training cycle: 2018-2023			
Description of the course			
Course	Prosthodontics 2	Group of detailed education results Group code F	Group name SPECIALISED CLINICAL SCIENCES (SURGICAL)
Faculty	Dentistry		
Major	dentistry		
Level of studies	X uniform magister studies		
Form of studies	X full-time ☐ part-time		
Year of studies	IV	Semester:	x winter
Type of course	x obligatory		
Language of study	X English		

Number of hours

Form of education

	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)
Winter semester:													
Department of Prosthetic Dentistry													
Direct (contact) education		5			60								
Distance learning	15												
TOTAL per year:													
Department of Prosthetic Dentistry													
Direct (contact) education		5			60								
Distance learning	15												

Educational objectives

C1. Skill of diagnosing and planning of prosthetic treatment on a base of phantoms
C2. Student attempts to treat patients with different functional and morphological disorders
C3. Student should be able to carry-out all clinical stages in removable (complete and partial) dentures performing

C4. Student develops manual skills on phantoms
C5. Student develops abilities and ways of communication with patient
C6. Student should be able to prepare scientific study with help of tutor

Education result for course in relation to verification methods of the intended education result and the type of class:			
Number of detailed education result	Student who completes the course knows/is able to	Methods of verification of intended education results	Form of didactic class *
F.W2.	rules of conduct for preventive and curative treatment in diseases of the masticatory organ at different stages of development	short structured questions, yes/no or matching answer tests	MC,L,SE
F.W11.	indications and contraindications for cosmetic dentistry procedures	short structured questions, yes/no or matching answer tests	MC,L,SE
F.W12.	causes of complications of stomatognathic system diseases and the principles of handling such complications	short structured questions, yes/no or matching answer tests	MC,L,SE
F.W14.	masticatory organ rehabilitation methods	short structured questions, yes/no or matching answer tests	MC
F.U1.	take medical history from the patient or his/her family	direct observation of the student demonstrating the skill during the practical assessment of individual work made individually	MC
F.U2.	perform a physical examination of the patient	direct observation of the student demonstrating the skill during the practical assessment of individual work made individually	MC
F.U3.	explain to the patient the nature of their health issues, determine a method of treatment that is confirmed by the patient's informed consent and make a prognosis;	direct observation of the student demonstrating the skill during the practical assessment of individual work made individually	MC
F.U6.	principles of handling periapical tissue diseases;	direct observation of the student demonstrating the skill during the practical assessment of individual work made individually	MC
F.U7.	dental cavity morphology and principles of endodontic treatment, as well as instrumentation used in such treatment	direct observation of the student demonstrating the skill during the practical assessment of individual work made individually	MC
F.U11.	handle the patient's current medical record, write referrals for tests or specialist dental or general medical treatment	direct observation of the student demonstrating the skill during the practical assessment of individual work made individually	MC
F.U22.	perform clinical and laboratory procedures required for prosthetic rehabilitation in simple cases	direct observation of the student demonstrating the skill during the practical assessment of individual work made individually	MC

* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning

Student's amount of work (balance of ECTS points):

Student's workload (class participation, activity, preparation, etc.)	Student Workload
1. Number of hours of direct contact:	65
2. Number of hours of distance learning:	15
3. Number of hours of student's own work:	45
4. Number of hours of directed self-study	
Total student's workload	125
ECTS points for course	5

Content of classes:

Lectures

1. Diagnostic procedures: patient interview and examination (extra and intraoral).
2. Functional impression of the mandible. Flasking of the upper denture, , flasking of the lower denture. Adjustment of the new complete and partial dentures, adaptation, incorporation, and adaptation difficulties.
3. Restoration of the endodontically treated teeth with use: prefabricated & custom-made posts. Treatment planning, clinical procedures.
4. Prosthetic treatment of patients after extensive intra-oral and facial surgery.
5. The use of soft materials for prosthetic liners.
6. Principles of designing dentures and providing a prosthetic treatment.
7. Advanced prosthetic systems and technologies.

Seminars

1.Clinical and laboratory procedures in complete dentures realization (Wrocławska and Classical Technique).
2. Adjustment of the new complete and partial dentures, adaptation, incorporation, and adaptation difficulties.
3. Prosthetic stomatitis: ethiology, classifications and treatments

Classes

1.Introduction to clinical classes. Prosthetic treatment of partially or completely edentulous patients using removable dentures.

- Regulations and organization of the classes.
- History taking and clinical examination of the patient. Medical screening questionnaire.
- Initial preprosthetic treatment and/or adjunctive therapy before final prosthetic treatment of partially or completely edentulous patients.
- Classification systems for partial edentulism and types of denture bearing areas.
- Assisting and attendance in clinical procedures.
- History taking and clinical examination of the demonstrational patient.

2. Impressions making in prosthodontics (materials, techniques and procedures).

- Short test: Prosthetic treatment of partially or completely edentulous patients using removable dentures
- Assisting and attendance in clinical procedures.
- Demonstration of the accurate impression technique on dental study model. Demonstration of the clinical stage of removable dentures performing according to the Wrocławska method. Making anatomical impressions on dental study models by students.

3. Methods for establishing centric relation record for removable partial and complete dentures (horizontal and vertical jaw relation, determination of occlusal plane).

- Short test: Impressions making in prosthodontics (materials, techniques and procedures).
- Assisting and attendance in clinical procedures.
- Establishing centric relation record on dental study models.

4. Occlusion in partially and completely edentulous patients.
   - Short test: Methods for establishing centric relation record for removable partial and complete dentures
   - Assisting and attendance in clinical procedures.
   - Establishing centric relation record on dental study models.

5. Try-in appointment. Establishment of the posterior palatal seal and denture relief for complete prosthesis. Principles of designing removable partial prosthesis's base. Principles of clasps designing. Biomechanics of removable partial dentures.
   - Short test: Occlusion in partially or completely edentulous patients.
   - Assisting and attendance in clinical procedures.

6. Differences between Classical and Wroclawska Method in complete dentures performing.
   - Short test: Try-in appointment. Establishment of the posterior palatal seal and denture relief for complete prosthesis. Principles of designing removable partial denture.
   - Assisting and attendance in clinical procedures.

7. Adjustment and insertion of the new-performed partial and complete dentures. Instructions for patient concerning hygiene maintenance, adaptation and incorporation.
   - Short test: Methodology of partial and completed dentures performing.
   - Assisting and attendance in clinical procedures.
   - Treatment planning in partially edentulous arches including tooth-supported and tooth-tissue–supported partial dentures. Designing of the framework for partially edentulous arches on teeth charts by students.

8. Thermoplastic foils used in complete dentures fabrication.
   - Colloquium I: Prosthetic treatment of partially or completely edentulous patients using removable dentures.
   - Assisting and attendance in clinical procedures.
   - Demonstration of making new complete denture with a thermoplastic material.

9. Treatment planning in partially edentulous arches including fixed prostheses. Restoration of the endodontically treated teeth. Prefabricated posts and custom-made posts. Clinical and laboratory procedures.
   - Short test: Thermoplastic foils used in completed dentures fabrication.
   - Assisting and attendance in clinical procedures.

10. Fixed dental prostheses: crown and bridges. Indications and contraindications, types, planning. Principles of the teeth preparation.
   - Colloquium II: Prefabricated posts and custom-made posts restorations.
   - Assisting and attendance in clinical procedures.
   - Preparing 11 tooth for a metal-ceramic crown on dental study model.

11. Dental crown and bridges. Materials and techniques of impressions making.
   - Short test: Fixed dental prostheses: crowns. Indications and contraindications, types, planning. Principles of the teeth preparation.
   - Assisting and attendance in clinical procedures.
   - Preparing 11 tooth for a metal-ceramic crown on dental study model.

12. Dental crown and bridges. Clinical and laboratory procedures.
   - Short test: Fixed dental prostheses: bridges. Indications and contraindications, types, planning. Principles of the teeth preparation.
   - Assisting and attendance in clinical procedures.
   - Preparing 43 and 46 teeth for the metal-ceramic bridge on dental dental study model.

13. Dental crown and bridges.
   - Colloquium III: Fixed dental prostheses: crown and bridges.
   - Assisting and attendance in clinical procedures.
   - Preparing 43 and 46 teeth for the metal-ceramic bridge on dental study model.

14. CAD/CAM technology and its demonstration.

- Assisting and attendance in clinical procedures.

15.Credit of the subject

Literatura podstawowa:

1. Shillinburg H.T.: Fundamentals of Fixed Prosthodontics. Quintessence Publ. Co Ltd 1997.
2. Craig R.G., Powers J.M.: Restorative Dental Materials. Mosby 2002.
3. Carr A.B., McGivney G.P., Brown D.T.: McCracken's Removable Partial Prosthodontics. Mosby 2005,

Literatura uzupełniająca i inne pomoce:

1. Hayakawa I.: Principles and Practices of Complete Dentures, Quintessence Publishing Co Ltd 2001
2. Davis S.J., Gray R.J.M.: A Clinical guide to Occlusion. British Dental Journal Books 2006.

Preliminary conditions:

Credit for the course of Preclinical Prosthodontics in the 3rd year of study.

Conditions to receive credit for the course:

	Criteria for courses ending with a credit[3]
Credit	By decision of the Rector, obtaining the credit for a course may performed by distance education techniques. 1. The credit for passing the theoretical knowledge from classes, seminars and lectures with the leading assistant. Oral answer or written test. 2. Reciving a credit for practical skills from the teaching assistant according to the individually performed work on phantoms and clinical procedures. 3. Phantom works and clinical procedures necessary for obtanining 4th year credit (annual standard) : • Active assist in the performance of clinical procedures - ability to perform the clinical steps necessary for the fabrication of crowns, inlays and bridges, - grinding of the tooth for crowns and bridges, preparation of the tooth for an inlay - taking precise impressions with one-step and two-step techniques, - taking an anatomical impressions, - taking functional impressions on trays, - determining and registering the height of the occlusion in edentulous patients, • phantom works required to complete the course - Preparing a tooth for a metal-ceramic crown on the phantom, - preparation of teeth for a metal-ceramic bridge - establishing and recording short circuits on the phantoms, - scanning the dental arches on the phantoms, - designing simple restorations in CAD/CAM technique on the basis of the phantoms, 4. All manual works on phantoms and phantom models are made individually, one of each. 5. In clinical classes the work mentioned above is performed directly at the patient in teams of two, one as active assistants and other as preparator in turns. Each student should acquire these skills as a prepator and as an active assistant.
Unit realizing the course:	Department of Prosthetic Dentistry
Unit address:	Krakowska St.26, 50-425 Wroclaw
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Person responsible for the course:	Associate professor Dr Edward Kijak DMD, MSc, PhD

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of 28 April 2021

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List of persons conducting specific classes:

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Zdzisław Bogucki	Associate professor, DMD, MSc, PhD	Medical science	dentist	MC,L,SE
Grzegorz Chmiel	DMD, MSc, PhD	-	dentist	MC,L,SE
Tomasz Dąbrowa	DMD, MSc, PhD	Medical science	dentist	MC,L,SE
Agnieszka Nowakowska-Toporowska	DMD, MSc, PhD	Medical science	dentist	MC,L,SE
Piotr Napadłek	DMD, PhD	Medical science	dentist	MC
Natalia Brusiłowicz	DMD, MSc	Medical science	dentist	MC
Natalia Grychowska	DMD, MSc	Medical science	dentist	MC
Błażej Gajos	DMD	-	dentist	MC
Joanna Maczura-Sokalska	DMD	-	dentist	MC

Date of Syllabus development

07.07.2021r.

Syllabus developed by
Associate professor Dr Edward Kijak DMD, MSc, PhD
Amadeusz Kuźniarski DMD

Uniwersytet Medyczny we Wrocławiu
KATEDRA I ZAKŁAD
PROTETYKI STOMATOLOGICZNEJ
adiunkt
dr hab. n. med. Edward Kijak

Signature of Head of teaching unit

Dean's signature