SYLLABUS			
Part A-Description of the subject of education			
Name of the module / course:	**Orthodontics**	**Module code**	**O**
Department:	**Dentistry**		
Field of study:	**Dentistry**		
Specialties:			
Level of study	First degree second degree X third degree graduate		
Type of study	stacjonarne **X** niestacjonarne		
Year of study:	**IV**	Semester:	**VIII,VII**
Type of the module / course	Obligatory **X** faculty		
Type of module / course	general education basic directional **X**		
Language teachers:	Polish foreign **X** (ED)		

Form of training	**Hours**
Lecture	
Seminar	
Exercises	
Clinical training	
Practical training	**X (45 hours)**
Apprenticeships	
E-learning	
Rother	
Total	**45**

Educational goals:

C 1. Transfer of knowledge on methods of analysis of diagnostic models using tools supporting the use of orthodontic indices

C 2. The transfer of knowledge in the field of methods of dental and skeletal age assessment

C 3. The transfer of knowledge in the field of diagnosis of lateral skull telerentgenographs

C 4. The transfer of knowledge in the field of radiological diagnostic methods orthodontic patient

C 5. Learning of the diagnostic model analysis skills

C 6. Ability to make proper manufacturing of the correct implementation of intra-and extraoral images of the patient

C 7. Ability to make proper diagnostic impression and plaster casts and diagnostic model

C 8. Possess the ability to diagnose malocclussions dysfunctions and

parafunctions in pre-school children

C 9. Possess the ability to diagnose malocclussions dysfunctions and parafunctions in school-age children

C 10. Possess the ability to diagnose malocclussions dysfunctions and parafunctions in adults

The matrix of learning outcomes for the module / course in relation to the verification methods and the intended learning outcomes of the course form.

Number of training effect	A student who credited module (object) knows / can:	Verification methods to achieve the desired learning outcomes:	Form of teaching: * the symbol
W 01	Knows the dental and skeletal age assessment methods	verbal test	ZP
W 02	Knows the methods of lateral skull image analysis	verbal test	ZP
W 03	Knows the radiological diagnostic methods for orthodontic patient	verbal test	ZP
W 04	Knows the methods of the analysis of diagnostic models using of orthodontic indices	verbal test	ZP
U 01	Can interview dento-orthodontic patient (or their caregivers)	verbal test	ZP
U 02	Is able to explain the causes of malocclusion and the consequences of not treating	verbal test	ZP
U 03	Performs full documentation of the orthodontic patient	verbal test	ZP
U 04	Performs analysis of diagnostic models using orthodontic indices	verbal test	ZP
K 01	Creates a list of patient		

	problems, based on a critical analysis of orthodontic records		

* W- lecture; S- seminar; Ć- exercise; EL- e-learning; ZP- practical part; PZ- professional practice;

Please mark crosses on a scale 1-3 as above effects invest the state address in the following departments: the transfer of knowledge, skills and shaping attitudes such as:
Knowledge + + +
Practical skills + +
Basics +

Student workload (balance ECTS credits)

The form of student workload (attendance, activity, test preparation, etc.)	Student's load (h)
1. Contact hours	**45**
2. Student's own work time	**45**
Total load of student	**90**
ECTS credits per module / course	**3**
Notes	

Course content:

1. Cast analysis.
Students prepare: Pont, Boltona, Lundstrom, Little, Tonna, Menena, Izarda, Masztalerza indexes

2. Further diagnostics: X-ray methods. Lateral radiogram analysis. OrtoBajt program
Students prepare the following issues:
a) *Lateral radiogram deffinition,*
b) *Pantomogram*
c) *The Picture on the occlusal plate*
d) *Spiral tomography* – methods of construction, the depicted structure

3. Further diagnostics: radiological methods. Lateral radiograms analysis, OrtoBajt program

4. Dental and skeletal age (scc Moorreessa, analysis of cervical vertebrae, wrist rtg wg Bjorka)

5. Preparation of diagnostic casts: the rules for the collection of diagnostic impressions and situational bite, principles of casting, cutting and articulating casts.

6. Preparation of diagnostic casts: the rules for the collection of diagnostic impressions and situational bite, principles of casting, cutting and articulating casts.

7. Examination and patients diagnosis.

8. Examination of patients – physical examination, subjective examination and radiographic analysis.
9. Classes in kindergarten - test occlusion disorders, dysfunctions, parafunctions; screening test in determining the indications for orthodontic treatment,
10. Classes in kindergarten - test occlusion disorders, dysfunctions, parafunctions; screening test in determining the indications for orthodontic treatment,
11. Classes in kindergarten - orthodontic diagnosis, prevention indication,
12. The school - occlusal disorders diagnosis and treatment strategies,
13. The school - a detailed diagnosis of orthodontic
14. Final test
15. Discussion of the test results. Improving grades. QUALIFICATION

Basic and supplementary literature and other teaching aids:

BASIC HANDBOOKS:

- An introduction to orthodontics – 3rd Ed. – Laura Mitchell
- Om Prakash Kharbanda – Orthodontics. Diagnosis and Management of Malocclusion and Dentofacial Deformities

SUPPLEMENTARY LITERATURE:

- Handbook of Orthodontics – Martyn T.Cobourne, Andrew T.DiBiase, Mosby Ltd. 2010
- Contemporary Orthodontics – W.R. Proffit with H.W.Fields Jr and J.L.Ackerman [et al.] – 3rd ed – St Louis: C.V.Mosby 2000
- Orthodontic materials: scientific and clinical aspects/ [ed.by] W.A.Brantley, T.Eliades, foreword by T.M.Graber – Stuttgart: Thieme, 2001
- Periodics: American Journal of Orthodontics, Angle Orthodontist, Dental and Medical Problems, Ortodoncja Współczesna

Requirements for teaching aids: Computers, multimedia projector, diagnostic kits

Conditions for completing the course: Attendance, completion of partial verification testing knowledge, execution and completion of clinical standards, pass final test

Załącznik nr 6

Name and address of the leading module / object, contact (tel./email)……
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Name of persosns conducticng classess
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Signature of the head of the leading classes
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Dean signature
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Date……