

SYLABUS

Subject:	<i>Prosthetic Dentistry 1</i>		
Study programme:	<i>Dental Medicine</i>	Semester:	<i>6. semester</i>
Valuation:	<i>absolved</i>	Obligation:	<i>obligatory</i>
Number of hours:	<i>1 h.lectures and 3 h. practicals/week</i>		<i>Hours 42</i>

Place: Department of Stomatology and Maxillofacial Surgery

1 st Department of Stomatology

Department of Dentistry and Maxillofacial Surgery and Specialized Hospital for Head and Neck Diseases, Academy of Košice, n.o.

Thursday PJ 13:45 – 15:15 (ETW)

<i>Week</i>	<i>Lectures PVT /ETW/ PM</i>	<i>Practical</i>
1.	<p>Basics knowledges from prosthodontics - effects of lost teeth in dental arches</p> <p>Basics knowledges from prosthodontics - importance of prosthetic dentistry</p> <p>20.2.2025, PJ 13:45-15:15</p>	<p>- prosthodontics department, introduction</p> <p>-prosthodontics medical record , documentation in prosthetic dentistry, dental status</p> <p>- instruments used in prosthodontic</p> <p>- instruments for examination, preparation</p> <p>basic knowledges of prosthetic dentistry</p> <p>- changes in dentition after tooth loss</p> <p>- dental unit</p> <p>Evaluation of knowledges</p>
2.	<p>Basics of gnatology - function of temporomandibular joint (TMJ) and chewing muscles</p> <p>Basics of gnatology - basic prosthetic points, planes and terms</p> <p>6.3.2025, PJ, 13:45- 15:15</p>	<p>physiology of chewing system, human dentition, characteristic signs</p> <p>- basic of gnathology – static, dynamic occlusion, curve of Spee, occlusal plain,</p> <p>-others prosthetic plains and points</p> <p>- TMJ - anatomy and physiology, basic</p> <p>-classification of defects in dental arches</p> <p>according to Wild-Voldřich, Kennedy</p> <p>- casts evaluation, defects</p> <p>Evaluation of knowledges</p>
3.	<p>Defectology of dental arches : - classification by Wild-Voldřich</p> <p>Defectology of dental arches : - classification by Kennedy</p> <p>20.3.2025, PJ, 13:45-15:15</p>	<p>biological factors of teeth, ideal abutment</p> <p>- classification of abutment teeth</p> <p>- X- ray examination in prosthodontics</p> <p>Evaluation of knowledges</p> <p>prosthetic examination of the patient</p> <p>- risk factors and systemic diseases influencing prosthodontic treatment</p> <p>- analysis of study casts</p> <p>- examination of knowledge</p>
4.	<p>Examination of patient from prosthetic view</p> <p>- evaluation of general health</p>	<p>-preprosthetic treatment of patient</p> <p>- oral hygiene, parodontology treatment</p> <p>- conservative and endodontic treatment</p>

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	- morphological and functional examination of chewing system - importance of X-ray examination in prosthetic dentistry 3.4.2025, PJ, 13:45- 15:15	- surgery and orthodontic treatment - basic division of dental replacements - biodynamics of dental replacements - planning of prosthodontics treatment Evaluation of knowledges
5.	Basic division of dental replacements - biodynamics of prosthetic appliances (dentures/ 17.4.2025, PJ, 13:45- 15:15	planning of prosthodontic appliances – fixed crown - ordinary and laboratory phases Evaluation of knowledges
6.	Prosthetic treatment in correlation with defect in dentition, biological factor and other parameters. Principles of tooth preparation for artificial crown 1.5.2025, PJ, 13:45- 15:15 - sviatok	- planning of prosthodontic appliances –removable partial dentures –complete dentures - ordinary and laboratory phases Evaluation of knowledges.
7.	Impression technics in prosthodontic, their importance and division of impression materials, comparison of impression materials 15.5.2025, PJ, 13:45- 15:15 TEST FOR LECTURES	- impression materials in fixed and removable prosthodontics - impression techniques - examination of knowledge materials used in prosthodontics – fixed and removable - metall alloys - resin materials - ceramic materials Evaluation of knowledges

Specific conditions for passing the subject:

Completion of 100% participation in practical exercises and lectures. Continuous review with a record of assessment during clinical teaching. Passing a test from lectures with a minimum rating of 60%.

Final test with a grade of at least 60%.

Conditions for credit: 100% communication with teacher

Treatment procedures:

Complex prosthetic treatment plan 5

Indication of prosthetic therapy 5

X-ray evaluation 12

Preparation of abutments 10

Impressions for fixed prosthetics 7

References:

Deepak Nallaswamy, Textbook of Prosthodontics, Jaypee Brothers Medical Publishers ISBN: 2017, 9789351524441

Yasemin K.Ozkan, Complete Denture Prosthodontics, Springer International Publishing AG, január 2019, ISBN: 3319690167

Stephen F. & Martin F., Contemporary fixed prosthodontics, 2006, ISBN-10: 0-323-2874-8

Herbert T. Shillingburg, Fixed Prosthodontics, 1997, ISBN0-86715-201-X

Quintessence publishing (IL), 2012

George A. Zarb, Prosthodontic Treatment for Edentulous Patients: Complete Dentures and Implant-Supported, 2003, ISBN 0-323-02296-0