
SYLABUS

Subject:	<i>Propedeutics of Dental Medicine 3</i>		
Study programme:	<i>Dental medicine</i>	Semester:	<i>3. semester</i>
Valuation:	<i>absolved</i>	Obligation:	<i>obligatory</i>
Number of hours:	<i>2 h. lectures and 4 h. practilacl/week</i>		<i>84 hours</i>

**Place: Department of Stomatology and Maxillofacial Surgery and Akademia Kosice
1 st Department of Stomatology
Department of Stomatology and Maxillofacial Surgery**

Monday PJ 07:30 - 09:00

<i>Week</i>	<i>Lecture</i>	<i>Practical</i>
1. 16.09.2024	Position, contents and purposes of prosthetic dentistry.	Safety rules instructions. Repetition: Morphology of the permanent teeth. Tooth signation. Practice: students continue in working procedure that they started at the last practical of the 2. term
2. 23.09.2024	Basics prosthetic terms, physiology of chewing. Basics of gnathology.	Theoretical: definition of the prosthetic dentistry, basic gnathology terms, masticatory system Practice: identification of the gnathology marks on skull, dentition, models, pictures Repetition: Instruments used in the root canal treatment (endodontics) Procedure of the root canal treatment
3. 30.09.2024	Prosthetic instruments and equipment used in dental surgery and in dental technician laboratory. Signation under ISO norm.	TEST – basics of gnathology Practice: identification of the instruments use in prosthetic surgery and dental technique Repetition: preparation and filling of the Black I. and II. cavity using by composites.

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4.	<p>Defects of dental arches-classification. Biological factor of the tooth. Division of prosthetic appliances and their biodynamics.</p> <p style="text-align: center;">07.10.2024</p>	<p>Theoretical: reasons of prosthetic treatment, functions of artificial dental replacements, biological factor of the tooth, classification of dental defects according Wild – Voldřich and Kennedy</p> <p>Practice: identification of the pillar teeth on dental models, pictures identification of the dental defect on dental models, pictures identification of dental replacements</p> <p>Repetition: preparation and filling of the Black I. and II. cavity using amalgam</p>
5.	<p>General principles of tooth preparation for artificial crowns – general principles, division of the preparation techniques and working procedure. Impression techniques in prosthodontics</p> <p style="text-align: center;">14.10.2024</p>	<p>TEST – biological factor of the tooth, dental defects classifications, division of dental replacements</p> <p>Theoretical and practical part: Identification of the correct preparation instruments, identification of the impression tray according impression material, preparation of the pillar tooth, impression of the pillar tooth, alginate impressions, plaster models, problematics of the metal castin</p>
6.	<p>Inlay, onlay, overlay</p> <p>Definition, indications, contraindications, working procedures in dental surgery and dental laboratory.</p> <p style="text-align: center;">21.10.2024</p>	<p>TEST – prosthetic instruments and appliances, identification</p> <p>Theoretical and practical part: Problematics of inlays, onlays overlay preparation, impression technique, plaster models, direct and indirect technique, fixation of the dental replacement</p>

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7.	<p>Simple post and core (with direct and indirect modelation).</p> <p>Definition, indications, contraindications, working procedures in dental surgery and dental laboratory.</p> <p>28.10.2024</p>	<p>Theoretical and practical part: Problematics of post and core restorations, preparation of the root canal, isolation, impression technique, indirect technique, direct technique – blue wax.</p>
8.	<p>Full – cast metal crowns Definition, indications, contraindications, working procedures in dental surgery and dental laboratory.</p> <p>04.11.2024</p>	<p>TEST: general rules of teeth preparation, impression materials and techniques plaster models</p> <p>Repetition : investment compound, dental waxes Theory: full cast metal crown, veneer crown – working procedure</p> <p>Practics: preparation of the pillar tooth – knife edge preparation, detailed impression, plaster model, modelation of the crown – wax</p>
9.	<p>Veneer crowns (faced crowns) – acrylic –faced crowns, metal – ceramic crown</p> <p>Definition, indications, contraindications, working procedures in dental surgery and dental laboratory</p> <p>11.11.2024</p>	<p>Repetition: resins and ceramics materials</p> <p>Theory: non metal dental crowns, working procedure</p> <p>Practics: making of resin crown by chair side technique – alginate impression, shoulder preparation, application of self curing resin material, correction of the resin crown</p>
10.	<p>Jacket crowns - acrylic (resin) crowns and ceramic crowns</p> <p>Definition, indications, contraindications, working procedures in dental surgery and dental laboratory.</p> <p>18.11.2024</p>	<p>Theory: fixed bridge – working procedure</p> <p>Practics: preparation of the pillar teeth – parallelism of pillar teeth, detailed impression, plaster model, check up of the parallelism on model</p>

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11.	<p>Introduction to problems of fixed bridges Definition, indications, contraindications, working procedures in dental surgery and dental laboratory.</p> <p>25.11.2024</p>	<p>TEST: problematics of fixed prosthodontics</p> <p>Theory: removable partial dentures – division, construction parts Practics: identification of the dental defect, analysis of the model, design of the construction parts of RPD, individual impression tray, occlusal rims, MX-MN relationship and its importance, wax RPD, teeth setting, flasking, resin dough, moulding, polymerisation, correction of the denture</p>
12.	<p>Removable partial prosthesis – division, description of constructive elements Definition, indications, contraindications, working procedures in dental surgery and dental laboratory</p> <p>02.12.2024</p>	<p>Finalizing of the RPD</p>
13.	<p>Total removable prosthesis Definition, indications, contraindications, working procedures in dental surgery and dental laboratory.</p> <p>09.12.2024</p>	<p>Theory: problematics of the removable total dentures</p> <p>Practics: working procedure of the complete denture, analysis of the model, design of the denture, individual impression tray, occlusal rims, MX –MN relationship and its importance, wax denture, teeth setting, flasking, resin dough, moulding, polymerisation, correction of the denture</p>
14.	<p>Total removable prosthesis</p> <p>Definition, indications, contraindications, working procedures in dental surgery and dental laboratory.</p> <p>FINAL TEST For lectures. 16.12.2024</p>	<p>Finalizing of the complete dentures</p>

Specific conditions for passing the subject:

Passing 100% participation in practical exercises and lectures.

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Continuous monitoring with a record of the evaluation of a practical skills. Final practical skills test.

Final test with minimal knowledge assessment at the level of 60% in the corresponding semester. Final skills check with a minimum rating of 60%.

Recommended literature:

1. Dental Morphology : An Illustrated Guide, By (author) G. C. Van Beek, 1983
2. Kotráň ,M.,Markovská,N.: Basics of stomatology, 1996
3. Levison,H.: Textbook for dental nurses, 1991
4. Jedyakiewitz,N.M.: A practical guide to technology in Dentistry. Wolfe Publ.,1992,ISBN 0-7234-1742X
5. Banerjee, Watson: Pickard's Manual of Operative Dentistry, 2011, Oxford University Press ISBN-13: 978-0199579150
6. Scheid R.C.: Woelfel's Dental Anatomy: Its Relevance to Dentistry, 2011, Lippincott Williams & Wilkins, ISBN-13: 978-1608317462