1. **Preclinical Prosthetic (Year I Semester I):**

The aim of the teaching subject and the effect of education- skills and competence: Dental anatomy terminology, anatomy of the permanent teeth, anatomy of the dental arches, tooth identification systems, norms of dental occlusion. The essential issues of the subject: Carving and drawing of the permanent incisors, carving and drawing of the permanent canines, carving and drawing of the permanent premolars, carving and drawing of the permanent molars, carving and drawing of the maxillary dental arch, carving and drawing of the mandibulary dental arch, recognition of natural teeth according to the anatomical features, forming of occlusal surface of the permanent teeth.

Literature:

Obligatory literature:

1. F.B. Woelfel, Rickne C. Scheid: Dental Anatomy – Its Relevance to dentistry. Wiliams &Wilkins – 1997.

M2. ajor M. Ash, Jr. And Stanley J. Nelson: Wheelers Dental Anatomy, Physiology and Occlusion. 8 Edition, Saunders Title Copyright 2003.

Additional literature:

1. Bertram S. Kraus, Leonard Abrams: A study of the masticatory system, Dental anatomy and occlusion. Williams & Wilkins, 1969.

1. **Physiology Of The Masticatory System (Year II, Semester 3):**

Physiology of Masticatory System (II year, winter semester): the subject contains proper occlusion, interdental contacts, relation between mandible and maxilla, mandible movements, TMJ anatomy, physiology of mucous membranes, saliva and periodontium, mastication, swallowing, breathing and speech, neuromuscular relations between muscles of mastication and other skeleto-muscular structures.

Literature:

Prosthodontics; obligatory literature:

1. Shillingburg 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., McGinvey G.P., Brown D.T.: McCracken's Removable Partial Prosthodontics. Mosby 2004.

4. Hayakawa I.: Principles and Practices of Complete Denture. Quintessence Publ. Co Ltd.

5. Davis S.J, Gray R.J.M: A Clinical guide to Occlusion. British Dental Journal Books 2006 (2002,2003).

Prosthodontics; recommended literature:

1. Okeson J.P.: Treatment of temporomandibular disorders and occlusion, Mosby, 1998

2. Rosentiel: R.F. Contemporary fixe prosthodontics. Mosby 2006

1. **Science Of Dental Materials and Dental Laboratory Equipment and Instruments
(Year II Semester IV):**

The aim of the teaching subject and the effect of education- skills and competence practical application of dental materials in dental technology used in prosthetic dentistry.

Teaching gooals: Physico-mechanical properties of dental materials, biocompatibility of dental materials, dental technology, dental laboratory organization, dental equipment. The essential issues of the subject: Properties and practical application of dental materials in dental technology used in prosthetic dentistry.

Obligatory 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.

1. **Restorative preclinical dentistry:**

Includes knowledge about etiopatogenesis caries development, principles of conventional and adhesive Class Black, properties of restorative materials and the use of clinical methods restorations, fissure sealing, PRR.

Literature:

1. Sturdevant's art and science of operative dentistry / ed. Theodore M. Roberson, Harold O. Heymann, Edward J. Swift. - 6th ed.. - St. Louis : Mosby , 2012

2. Kidd E.A.M. Smith B.G.N., Pickard H.M.: Picard`s Manual of operative dentistry.9. ed. Oxford Medical Publication 2011.

3. Kidd E.A.M.. Joyston-Bechal S. : Essentials of dental caries. 3 ed. Oxford University Press, Oxford 2005

1. **Endodontics preclinical:**

Includes knowledge of root canal treatment in models, endodontium, and pulp diseases, knowledge of endodontic instruments, the stages of root canal treatment, endodontic access, working length, chemomechanical preparation and root canal fillings, properties and clinical use of materials, rubber dam

Literature:

1. Tronstadt L.: Clinical endodontics. 2nd edtition. Georg Thieme Verlag, Stuttgart 2009

2. Ingle J.I.: Endodontics. Text and CD-ROM for Macintosh and Windows. Decker B.C. 2008