

# CURRICULUM OF LECTURES IN CLINICAL PROSTHETIC DENTAL MEDICINE

5 year, 9 semester (winter)

15 weeks, 2 academic hours in a week

**LECTURERS:**    **PROF. B. YORDANOV**  
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<b>WEEKS</b>	<b>LECTURE SUBJECTS</b>
<b>1</b>	Introduction in Dental Implantology. History – a brief survey. Types of dental implants. Classification and terminology.
<b>2</b>	Fundamentals of contemporary Dental Implantology: Osseointegration - implant/bone interface. Implant surfaces.
<b>3</b>	Patient examination and treatment planning in Dental Implantology – clinical and paraclinical methods. Planning of dental implant restorations with optimum esthetics and function.
<b>4</b>	Incisions, flaps and sutures in Dental Implantology. Guided tissue regeneration, GBR.
<b>5</b>	Presenting contemporary dental implant systems. Basic surgical techniques and implantation protocols.
<b>6</b>	Principles and guidelines for planning of implant prosthetic restorations. Clinical approach in cases of partial and complete edentulism. Implant abutments – selection and indications. Impression technique in Dental Implantology.
<b>7</b>	Principles and guidelines for planning of implant prosthetic restorations. Basic rules for immediate loading of dental implants.
<b>8</b>	Gnathology. Biomechanics of temporomandibular joints.
<b>9</b>	Gnathology. Intraoral graphic registration.
<b>10</b>	Gnathology. Determination of therapeutic position in temporomandibular disorders.
<b>11</b>	Gnathology. Articulators and face-bows.
<b>12</b>	Basic principles of Laser Dental Medicine. Types of dental lasers. Laser Tissue Interaction. Case demonstration.
<b>13</b>	Photodynamic Therapy. Features of the visible laser light important for clinical practice. Clinical approaches. Case demonstration and discussion.

<b>14</b>	High Level Laser Therapy. Laser irradiation dosage and calculation. Treatment methods and clinical cases presentation and discussions.
<b>15</b>	Digital face bows, virtual articulators.

**CURRICULUM FOR PRACTICAL TRAINING IN CLINICAL PROSTHETIC  
DENTAL MEDICINE  
5 year, 9 semester (winter)**

**15 weeks x 4 hours in week = 60 training hours**

Weeks	Practical training subjects
<b>CYCLE “OCCLUSODONTICS”</b>	
<b>1</b>	I. Registration of occlusal contacts with articulation paper wax and silicone.
<b>2</b>	
<b>3</b>	II. Methods for visualizing occlusal schemes.
<b>4</b>	III. Registration of centric and border positions of the mandible. IV. Seminar: Clinical methods for registration of occlusal contacts. Occlusal schemes.
<b>CYCLE “GNATHOLOGY”</b>	
<b>5</b>	V. Registration of condyle axis of a patient with intact dentition and its transferring on an articulator.
<b>6</b>	VI. Registration of condyle of a completely edentulous patient with a face-bow and its transferring on articulator.
<b>7</b>	VII. Intraoral graphic registration of centric relation.
<b>8</b>	
<b>9</b>	VIII. Seminar: Registration of condyle axis and centric position of the mandible with a face-bow and their transferring on an articulator.
<b>11</b>	IX. Mounting master casts in centric relation on an articulator.
<b>10</b>	
<b>12</b>	X. Registration of the sagittal condylar path and transferring the individual values on an articulator.
<b>13</b>	
<b>14</b>	XI. Intraoral registration of border mandibular positions with wax.