17. (StII-GNTO) GNATOLOGY

<table>
<thead>
<tr>
<th>STUDY PROGRAMME</th>
<th>Integrated studies of dentistry</th>
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<tbody>
<tr>
<td>DEPARTMENT</td>
<td>Department for dentistry</td>
</tr>
<tr>
<td>NAME OF SUBJECT</td>
<td>GNATOLOGY</td>
</tr>
<tr>
<td>STATUS OF THE</td>
<td>Compulsory</td>
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**Condition**: Dental anatomy

<table>
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<tr>
<th>Year of studies</th>
<th>Winter term (No. of the lessons per week)</th>
<th>Summer term (No. of the lessons per week)</th>
<th>No. of tests</th>
<th>No. of seminars</th>
<th>No. of seminars POINTS</th>
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<tbody>
<tr>
<td></td>
<td>Lectures</td>
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**Methods of teaching**: theoretical and practical

**GOAL**

- Introduction to basic gnatological terms, review gnathology role in dentistry and adoption of basic gnatological principles.

**Knowledge**

- Morphology of craniofacial, physiology and craniofacial systems, transmitting the basic parameters of the patients in the external environment.

**Skills**

- Working with the articulator and Buccal onions, modeling by Peter Thomas

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### Theoretical teaching – methodical units

- Introduction gnatologiju
- Craniomandibular articulated connection - anatomical specificity
- Craniomandibular articulated connection - functional specificity
- Muscles of the OFS, functional specificity of masticatory muscle
- Physiological regulation of jaw movements
- Central regulation of jaw movements
- Anatomical determinants of jaw movements; back (hinged) conduct
- Jaw movement
- Reference positions of the lower jaw
- Characteristic physiological optimal occlusion
- Characteristics nonphysiological occlusion
- Articulators
- Simulation of eccentric motion of the lower jaw of adjustable articulators
- Functional analysis orofacialnog complex; importance, methods, scope of analysis
- Evaluation of state okluzionog complex
- Analysis of inter jaw relations
- Symptoms and signs nonphysiological occlusion
- Occlusal therapy
- Irreversible occlusal therapy
- Irreversible occlusal therapy - selective grinding
- Etiology, pathology and therapy of tooth abrasion.
- Irreversible occlusal restoration of occlusion therapy-full, fixed and mobile occlusal replacement therapy of patients with malocclusion

### Practical teaching – methodical units

- Craniomandibular joint connection, movement of the lower jaw;
- Articulators types, parts, work with the articulator, with mean values guide
- Portable Buccal onion, demonstrations
- The central position of the jaw, finding and registering
- Semiadjustable articulators-positional registry, registration of the position analysis of the occlusion models in the articulator
- Analysis of tooth contact relationships in the models prepared patients
- Modeling of the occlusal relief P.K. Thomas in the upper side teeth
- Modeling of the occlusal relief P.K. Thomas in the lower lateral teeth
- Functional analysis of the orofacial complex;
- Evaluation of occlusal state complex
- Occlusal trauma
- Irreversible occlusal splint therapy development of Michigan

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### RECOMMENDED READING

<table>
<thead>
<tr>
<th>Category</th>
<th>Title</th>
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<tbody>
<tr>
<td>Compulsory</td>
<td>1. Darinka Stanišić Sinobad, Osnovi gnatologije, Univerzitet u Beogradu 2001</td>
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<tr>
<td>Additional</td>
<td>1. Darinka Stanišić Sinobad, Slobodan Dodić Osnovi gnatologije – Praktikum, Univerzitet u Beogradu 2003</td>
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**Evaluation of students' work – No. of points per individual activity**

<table>
<thead>
<tr>
<th>Pre-exam obligations</th>
<th>Final exam</th>
<th>Total</th>
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### List of teachers and assistants

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<thead>
<tr>
<th>Associate</th>
<th>Assistant</th>
<th>Lecturer</th>
<th>Professor</th>
<th>PhD</th>
<th>Associate prof.</th>
<th>Professor</th>
<th>Scientist</th>
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1. Prof. Dr Dubravka Marković
2. Doc. Dr Ljiljana Strajnić
3. Asst. Pripr. Branislava Petronijević
4. Dr Daniela Đurović, Associate u nastavi

Chief of department
Prof. Dr Dubravka Marković s.r.