”ApPROVED”

Head of chair,

PhD, DHMS,

Associate professor

D. Uncuța\_\_\_\_\_\_\_\_\_

**”**01” February 2019

**CALENDARISTIC PLAN**

of **Biomaterials** courses,

for 1st year students, IInd semester, study year 2018-2019

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| --- | --- | --- | --- | --- | --- |
| Nr | **THEME** | Prelegeri | | Lucr.prac/  seminare | |
| Nr.ore | Data | Nr.  ore | Data |
| 1 | Biomaterials. General concept. Classification. Properties of biomaterials. | 2 | 05.02.2019 | 3 | 06.02.2019 |
| 2 | Basic dental materials. Metals and alloys used in dentistry (Au; Ni-Cr; Co-Cr). Composition and properties. | 3 | 13.02.2019 |
| 3 | Non-metallic materials. Acrylic Resins. Composition and properties. Practical application. Medical-biological requirements. | 2 | 19.02.2019 | 3 | 20.02.2019 |
| 4 | Non-metallic materials. Dental ceramics. Composition and properties. Practical application. Medico-biological requirements. Final. | 3 | 27.02.2019 |
| 5 | Auxiliary materials. Wax. Classification of packaging materials. | 2 | 05.03.2019 | 3 | 05.03.2019 |
| 6 | Materials for taking impression and casting models. Characteristic. Classification. The materials used. Methods of creating impressions and models. | 3 | 13.03.2019 |
| 7 | Materials for sealing cavities. Classification. Requirements for permanent restorative materials. | 2 | 19.03.2019 | 3 | 20.03.2019 |
| 8 | Temporary filling material. Basic properties. Final. | 3 | 27.03.2019 |
| 9 | Materials for medical and isolating laying. | 2 | 02.04.2019 | 3 | 03.04.2019 |
| 10 | Glass Ionomer Cements. Classification. Indications for use. Contraindications. The advantages and disadvantages. | 3 | 10.04.2019 |
| 11 | Hybrid glass ionomer cements. Properties. | 2 | 16.04.2019 | 3 | 17.04.2019 |
| 12 | Dental amalgam. Classification. Definition. Properties. Indications for use, advantages and disadvantages. Final. | 3 | 24.04.2019 |
| 13 | Adhesive systems. General principles of adhesion. Factors influencing the adhesion. | 2 | 14.05.2019 | 3 | 08.05.2019 |
| 14 | Classification of dental adhesive systems. Definition. Advantages and disadvantages of different adhesive systems. | 3 | 15.05.2019 |
| 15 | Composite filling materials. General characteristics. Classification. Chemical curing composites. | 2 | 28.05.2019 | 3 | 22.05.2019 |
| 16 | Photopolymer composite filling materials. Properties. | 3 | 29.05.2019 |
| 17 | Materials for root canal filling. Classification. The physico-chemical properties. Final. | 3 | 05.06.2019 |
|  | Total | 17 hours | | 51 hours | |

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