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| Course | **Dental Technology** |
| No | **12** |
| ECTS | **4** |
| Lecturer | **Visar Bunjaku** |
| Aims and objectives | Aim of this course is to teach student about producing of prosthetic and orthodontic works. Students will be informed about dental technology importance, digital imprints, creation of working models, and final production of these works. An important place is model scanning, model analysis, dental photography analysis, X-ray analysis, 2D and 3D works designing, FEM program analysis, and results interpretation. This course prepares students in CAD/CAM, F&E, producing and quality management. Students will gain knowledge on advanced dental technology and will understand the importance of digital working methods in dental technique, like model scanning, digital measures, crown and bridges creation with CEREC and CAD/CAM technique |
| Learning outcomes | Upon successful completion of this course students should be able to:   * Select materials for produce of dental prosthesis or orthodontal apparatus; * Safely work with tools and devices intended for the denture production; * Apply appropriate technologies of dentures or orthodontic appliance production; * Organize dental laboratory activities; * Develop and to implement a dental technician practice in the health care systems. |
| Course Content | 1. Fundamental concepts of dental technology 2. Morphology of teth 3. Complete Prosthetics 4. Partia l Prostheti 5. FIXED PROSTHODONTICS 6. ORTHODONTICS 7. Occlusion 8. Colour and Size Determination for Denta l Appliances 9. Articulators 10. Splint therapy |
| Teaching/Learning methods | This course adopts a combination of didactic and workshop materials. The teaching methods include lectures, laboratory experiments, quizzes, lecture demonstrations, written lab reports. |
| Assessment methods | Course grades will be determined based upon student performance on one seminar and on a final exam.  The breakdown between these is as follows: Quiz – 60%; 40% - Dental Lab skills. |
| Equipment | Pc/Projector, Dental Laboratory. |
| Theoretical/practical ratio | 50% / 50% |
| Literature | 1. Tony Johnson, David G. Patrick, Christopher W. Stokes, David G. Wildgoose, Duncan J. Wood. Basics of Dental Technology. A Step by Step Approach. Wiley Blackwell 2016. |