**Maxillofacial prosthetics**

**Course Syllabus**

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| **Course** | **Maxillofacial Prosthetics** | | | |
| Type | Semester | ECTS | Code |
| OBLIGATORY (O) | 6 | 4 |  |
| **Course Lecturer** | Prof. Asst. Dr. Genc Demjaha | | | |
| **Course Assistant** |  | | | |
| **Aims and Objectives** | The aim of this course is to teach students how to assess the situation and provide treatment care for all those patients with acquired or congenital defects of the head-face-jaw region. Students will assess the patient before any treatment for the defect from all aspects and work with experts from different disciplines whose expertise and assistance is required for treatment of  properly. | | | |
| **Learning outcomes** | After completing this course, students will be able to:   * Acquire knowledge from a historical perspective on the subject of Maxillofacial Prosthetics and related interdisciplinary subjects. * Acquire knowledge and skills in laboratory procedures and necessary materials. * Improve diagnostic and restorative skills in maxillofacial prosthetics and knowledge gained through interdisciplinary activities. * They restore lost or congenital tissues that are missing in the head-stomach-jaw region in particular and other body prostheses. * They restore the lost functions of chewing, speaking, aesthetics and psychological comfort. | | | |
| **Alignment of Course’s Learning Outcomes to Programs’ Learning Outcomes.** | * Syllabus (Outcome 1 and 2) - Lectures: Traditional classroom lectures to provide the theoretical foundations of dental laboratory techniques * Program Learning (Outcome 4 and 6) - Use technological advances in dental laboratory procedures; Lectures on the properties and applications of materials in dental prosthesis * Program learning (Outcomes 7 and 9) – Acquaintance and familiarization of students with the proper handling of dental production tools; Prosthetic modeling and fabrication * Program learning (Results 12 and 14) – Cooperation with the dentist, organization of laboratory activities * Program lesson (Outcome 14 and 15) - Organization of laboratory activities Teaching principles of organization and management in dental laboratories; Development and implementation of dental technician practice in the health care system | | | |
| **Course content** | **Weekly Plan - Lectures** | | | **week** |
| Basic concepts   * Classification of maxillofacial prostheses * Indications for maxillofacial prostheses * Current techniques for maxillofacial prostheses | | | 1 |
| Materials for maxillofacial prostheses   * Silicone elastomers * Soft materials for underlining | | | 2 |
| Materials for maxillofacial prostheses   * The purpose of using soft materials for underlining * Denture resin | | | 3 |
| * Defects and obturators * Obturators after surgery | | | 4 |
| Defects and obturators   * Obturators for treatment * Permanent shutters | | | 5 |
| Defects and obturators   * Adhesives used in obturator prostheses | | | 6 |

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|  | **Mid-semester assessment** | **7** |
| Eye defects | 8 |
| The use of implants for maxillofacial prostheses   * Intra-oral implants * Extra-oral implants | 9 |
| Principles of using implants for  compensation of extraoral defects | 10 |
| Concepts of staining maxillofacial prostheses   * Color * Coloring maxillofacial prostheses * Color measurement methods | 11 |
| Aesthetics of maxillofacial prostheses   * Aesthetics * Principles of structural aesthetics * Aesthetics of maxillofacial prostheses | 12 |
| The process of adaptation with maxillofacial prostheses   * Quality of life of patients with maxillofacial prosthesis | 13 |
| Laboratory procedures for maxillofacial prosthetics and orders | 14 |
| Final exam | 15 |
| **Weekly Plan – Laboratory exercises** | **Week** |
| Current techniques for producing maxillofacial prostheses | 1 |
| Occlusion in maxillofacial prostheses | 2 |
| Physical properties of materials for maxillofacial prostheses | 3 |
| Measurement methods in the production of postoperative obturators | 4 |
| Methods of preparation of hollow(empty) obturators | 5 |
| Infrastructure design for permanent obturators | 6 |
| **Mid-semester laboratory assessment** | 7 |
| Reinforcement of prosthesis retention | 8 |
| Eye prostheses | 9 |
| Implants for ear prosthesis | 10 |
| Implants for nasal prosthesis | 11 |
| Magnets used in zygomatic implants | 12 |
| Color combination for maxillofacial prostheses | 13 |
| Transferring facial features into models | 14 |
| Final laboratory assessment | 15 |
| **Teaching methods** | **Teaching/learning activity - Weights (%)** | |
| Lectures | 25.0 % |
| Clinical work | 75.0 % |
| **Total** | **100.0 %** |

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| **Assessment**  **Methods** | **Assessment methods** | | | **Pesha (%)** |
| **1. Laboratory assessment** | | |  |
| 1.1. 1.1. Assessment of weekly clinical sessions 20% (form for evaluation of weekly clinical sessions) | | |  |
| 1.2. Laboratory Assessment  (form for clinical assessment of prostheses) | | 80% |  |
| **General Laboratory Assessment 100%** | | | **50%** |
| **2. Theoretical Assessment** | | |  |
| 2.1 Participation and activity in lectures 10% | | |  |
| 2.2 Mid-semester assessment | | 30% |  |
| 2.4 Final Test | | 60% |  |
| **General Theoretical Assessment** | | **100%** | **50%** |
| **Final Assessment for the Course** | | | **100%** |
| **Course Resources** | **Resources** | | |  |
| 1. Classroom | | |  |
| 2. Computer | | |  |
| 3. Projector | | |  |
| 4. Dental Clinic | | |  |
| 5. Dental Laboratory | | |  |
| 6. Gypsum room – Trimmer and other instruments | | |  |
| 7. Center for Dental Research | | |  |
| 8. Books and other supporting material | | |  |
| **CTS Workload** | **Activity type** |  | |  |
| 1. The lecture | 15 h | | 12.5 % |
| 2. Laboratory exercises | 45 h | | 37.5 % |
| 3. Individual learning | 60 h | | 50.0 % |
| **Total** | **120 h** | | **100.0 %** |
| **Literature** | 1. Agim Islami, Dugagjin Sokoli. Protetika Stomatologjike Paraklinike, Universiteti i Prishtinës, Prishtinë. 2. Stewart’s Clinical Removable Prosthodontics. 4th Edition. Quintessence Publishing Co, Inc. 3. McCracken’s Removable Prosthodontics, 10th Edition, by McGivney GP, Carr AB. The C.V. Mosby Co., St. Louis. | | | |
| **Contact** | Prof. Asst. Dr. Genc Demjaha, [genc.demjaha@ubt-uni.net](mailto:genc.demjaha@ubt-uni.net) | | | |

**Prerequisites for the course**

This course has no prerequisites**.**

**Competency Assessment for Maxillofacial Prosthetics**

The student will be assessed on clinical work focusing on all aspects of maxillofacial prostheses. **The pass rate is 70%.**

**Course requirements:** Production of an obturator prosthesis.

# Students must be present in at least 80% of the sessions.

# Educational Regulations

# Participation in the lesson

**Assessment of Competence**

For the class to reach a master’s level of learning, students must prepare by reading the given material, complete all assignments for each class. Students will be evaluated for participation as:

* Full participation in class activities and group work.
* Participation in class discussions (without dominating the conversation).
* Demonstrating understanding of the content of the material read.
* Providing critical thinking about the subject matter.
* Adding ideas to class discussion.
* Helping others clarify an idea.
* Supporting others as they share their ideas and speak in class.
* Raising new ideas and questions.
* Arriving on time and staying throughout the lesson.

**Participation policy**

Students are expected to attend all lectures and exercises. The importance of class attendance is reflected in the percentage of the grade associated with attendance. You cannot receive attendance grades if you are not in class. If you have an emergency and cannot attend class, please email me in advance to let me know. Class will start on time to honor everyone's commitment. If you are late, please enter the classroom quietly. Participation marks will be deducted for lateness.

**Students must be present at least 80% of the activities.**

**Rules and Regulations**

**Attendance**

UBT College undertakes the responsibility of training future professionals to the highest standards. One of these standards is taking responsibility for personal actions. If a student misses a particular session, the student has lost that instruction forever. They can never be repeated. When a student is late to class, the entire class is interrupted. Such interruptions will not be tolerated. Students have a responsibility and a contract to stay in class for the duration of the sessions, for each day. Students who leave sessions early, even if they leave with permission, cause disciplinary problems that will not be tolerated.

You made a contract with the UBTs to be in class and attentive throughout the learning process. Every student must be in every session, every day that is scheduled, throughout the semester.

All teaching sessions begin at their designated times in the lesson timetable. All sessions start and end at designated times in the class schedule. Any student who leaves the class session early will be considered absent.

**Electronic Devices**

It is distracting to everyone in the classroom when cell phones ring during class. This is even worse if it happens during a test or quiz. Since this is a classroom and not a room for listening and/or viewing electronic devices such as smart phones, personal laptops and/or other electronic devices will not be allowed.

The classroom will be a cell phone free zone. If you must bring a cell phone to class, it must be turned off or set to vibrate. It is distracting for a classroom to have students constantly answering cell phones during class. If you absolutely must answer the call, leave the classroom. A student who accepts calls during class will be asked to leave class. Hearing devices will not be allowed in the classroom for any reason.

**Tests And Quizzes**

Tests and quizzes are usually scheduled at the beginning of the lesson. Tests and quizzes are one-way teachers measure a student's knowledge. Failure to participate in tests or quizzes interferes with this process. UBT College does not reward students who do not take their tests or quizzes on time; therefore, the teacher cannot allow students to take tests or quizzes after the deadline.

Tests and quizzes must be taken by each student, any student who asks for help or helps other students during a test or quiz will be removed from the test and will be graded zero for that test or quiz. It is the student's responsibility to prepare for tests and quizzes at all times. It is the student's responsibility to know when there are tests or quizzes to take.

**Seminars and Projects**

Seminars and projects must be done on the student's own time, not during class.

Never allow another student to copy your seminars and projects.

Never copy another student's seminars and projects.

**Due Dates**

One thing all professionals must learn is to be on time. Excuses do not make the student and teacher feel better about their wasted time. For all assigned tasks, sufficient time is given to complete, and all work must be completed in the time set by the teacher. No delay in the completion of the works will be accepted.

**Proper Attire**

Professionals must dress appropriately. Any student who does not dress appropriately during class time will not be allowed to participate in class activities.

**Conduct**

Students at UBT College must learn to work in groups, regardless of group composition. Tolerance, courtesy, respect, and a peaceful environment are required in the classroom.

All students are expected to be respectful to other students and to the teacher during class and in dealing with class matters. Disrespectful behavior will affect your participation grade. Examples of respectful behavior in the classroom include, but are not limited to:

* Listening to each other and exchanging ideas.
* Arrival and departure according to the class schedule, except in cases of emergency.
* Turn off the cell phone ringer and do not receive calls in class.
* Speak so that others can hear and understand what you are saying.
* Engaging in class discussion (avoiding side conversations during class and dominating class discussion).
* Listening (not speaking) when the teacher or other students are addressing the class.
* Working collaboratively with a specific or selected group.
* Completion of class work on time.
* Focusing on class topics and not on personal matters or work unrelated to the class.
* Viewing your computer and/or cell phone only when related to class work.
* Raising questions when there is no clarification about the work in class.

**Academic Dishonesty**

Violations of Academic Integrity include, but are not limited to, the following actions:

* Cheating on an exam.
* Plagiarism.
* Working together on an individual assignment, paper, or project when the instructor has specifically stated students should not do so.
* Submitting the same term paper to more than one instructor or allowing another individual to assume one’s identity for the purpose of enhancing one’s grade.

**Assessment of weekly laboratory sessions**

At the end of each laboratory session, academic staff will evaluate the student using the weekly laboratory session evaluation. This assessment allows the academic staff to evaluate the student in the areas of professionalism and performance at the expected level towards the attainment of competence. Each laboratory session is rated as "satisfactory" or "needs improvement". Any satisfactory rating means acceptable performance in all three categories. Any rating as needs improvement means an unacceptable performance for that session in any of the areas rated.

To successfully complete the Prosthodontics preclinical assessment, a student must have an overall average of 80% satisfactory session assessments. For example, if a course has 15 assessment sessions in a semester, at least 12 must be satisfactory. If a student is graded below the 80% level, then the student is advised of the necessary steps to improve their deficiencies. If the student's overall grade falls below 60%, then the student is considered to have failed and must repeat the course.

The evaluation system measures the student's level of achievement for each laboratory session. All lab sessions are graded, and all lab sessions have equal weight in the overall grade. In order for the session to be marked as "satisfactory", the student must perform satisfactorily in each category. In order to have a satisfactory grade, a student cannot have more than one area marked as "needs improvement".

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| **Assessment of weekly laboratory sessions** | | |
| **Professionalism** | **Satisfactory** | **Needs improvement** |
| Professional clothing |  |  |
| Accepts and acts constructively on advice |  |  |
| Treats others with courtesy |  |  |
| Possesses ethical behavior |  |  |
| Evaluation of Professionalism |  |  |
| **Patient management** | **Satisfactory** | **Needs improvement** |
| Presentation of the patient |  |  |
| Infection control protocol |  |  |
| Preparedness |  |  |
| Pain or anxiety management |  |  |
| Assessment of patient management |  |  |
| **Performance** | **Satisfactory** | **Needs improvement** |
| Time management |  |  |
| Documentation of patient care |  |  |
| Self-evaluation |  |  |
| Critical thinking |  |  |
| Demonstrates independence |  |  |
| Skills at the level of the stage of development |  |  |
| Performance Appraisal |  |  |
| **Evaluation of Weekly Clinical Sessions** |  |  |