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**TBILISI HUMANITARIAN TEACHING UNIVERSITY**

 ***SILLABUS***

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| ***Name of educational course*** | *Prosthetic Dentistry (Treatment of complete Edentulism)* |
| ***Code of educational course*** | *STOM0423DM* |
| ***Status of educational course*** | ***C****ompulsory course**for the one-cycle higher educational Programme-Dentistry* |
| ***ECTS*** | ***4 credits. Total: 100 hours****Contact Hours–40 hours (Class Meeting Time Period: 13L/23 Pr) + 4 hours (Midterm:2h and Final Examinations 2h):**Individual Work-60 hours* |
| ***Lecturer***  | *Sofia Kraveishvili, MD, Ph.D, THTU invited lecturer* *Tel. 577743239**Consultation days: according to consultation schedule* |
| ***Goal of educational course*** | *The goal of the course is teaching the students the issues of issues of treatment of edentulous jaws with complete removable plated denture, methods of fixation and stabiliztion. Clinical and laboratory stages of making dentures for edentulous teeth.**The course aims to mastering the students on: Identify the oral health care needs of patients; Provide effective and safe patient assessment and management; Perform and practice practical procedures effectively and safely; Demonstrate and apply critical thinking to practice problems.* |
| ***Precondition for admission***  | *Basics of Surgical Dentistry* |
| ***System of students’ assessment*** | ***The assessment system allows:******A) Five types of positive assessment:****a.a)* ***(A) Excellent*** *- 91-100 points of the assessment;**a.b)* ***(B) Very good*** *- 81-90 points from maximum marks;**a.c)* ***(C) Good*** *- 71-80 points from maximum marks;**a.d)* ***(D) Satisfactory*** *- 61-70 points from maximum marks;**a.e)* ***(E) Sufficient*** *- 51-60 points from maximum marks.****B) Two types of negative assessment:******b.a) (FX) Did not pass*** *- 41-50 points from maximum marks, which means that a student needs harder work to pass and is granted one additional attempt with independent work;****b.b) (F) Fail-*** *40 points and less from maximum marks, which means the performance a student is not sufficient and he/she has to learn the subject from the beginning.**Bb) (F) - Fifty points and less than maximum score, which means that the work performed by the student is not enough and he has to learn the subject from the beginning.1. In case of one of the negative assessments: (FX) Did not pass, the Teaching University shall appoint an additional exam within at least 5 days after the final exam results are announced and reflected in the exam table.2. The assessment received at the additional exam is the student's final assessment, which does not reflect the negative points received at the basic final exam.If the student receives at the additional exam from 0 to 50 points, (F) -0 score will be recorded in the student’s final examination record list.* ***The assessment system at the Tbilisi Humanitarian Teaching University is divided into the following components:****Out of the total score (100 points) the intermediate assessment makes totally 60 points that are distributed as follows:****A student’s activity during the educational semester*** *-30 points;****Intermediate exam*** *- 30 points;****and the final exam*** *- 40 points.The limit of minimum competence in the component of intermediate assessments totals at least* ***18 points.****The limit of minimum competence of the final assessment is* ***50%*** *of the total sum of the final assessment, i.e.* ***20 points out of 40 points.*** |
| ***Content of educationla course*** | *See Appendix 1* |
| ***Assessment forms/methods/******criteria/activities*** | ***Activity -*** *20 points**Student activities are assessed 10 times during the course. Assessment of each - 2 points. Maximum 20 points****Assessment criteria:******2 points -*** *the student reveals the perfect, convincing and detailed knowledge of the material, uses specific terminology freely, actively completes the given tasks, uses information from reviewed materials, is interactive.****1 point -*** *the material is not very well mastered by the student. Reveals only schematic knowledge, conveys material illogically, little mastery of specific terminology, difficulty in analyzing with reviewed material.****0 point -*** *the student is passive, the material is not reviewed.****Practical skills*** *- 4 points.****Assessment criteria:****Selection of prosthesis for upper and lower jaw fractures -****1 point****;**Selection of prosthesis during False Joints and Resection of the Lower Jaw -****1 point;****Determining the treatment plan for temporal -mandibular diseases -* ***1 point;****Determining the treatment plan for parafunction of the masticatory muscles - 1 point;* ***Clinical case review - 4 points.******Appraisal criteria:******4 points -*** *a student analysis the clinical case and makes justified differential diagnose.****3 points -*** *a student analysis the clinical case but hardly makes the analysis of the latter.****2 points –*** *a student is not able to analyze the case and make a differential diagnosis.****1 point -*** *a student is poorly understood in clinical cases and is unable to analyze it****0 point -*** *a student is unable to understand the clinical case and therefore cannot analyze it.****Discussion / group work - 2 points;******Assessment criteria:******2 points -*** *the student has mastered the pre-specified material well, gives correct and convincing answers to the questions. Thinks well. Demonstrates the ability to the discussion with a group.****1 point -*** *the student has a weak knowledge of the material. He/she has difficulties to answer questions. Cannot lead the discussion well with group.****0 point -*** *the student does not know the theoretical material, due to which he / she is not able to participate in the discussion. He (she) passive.****Midterm exam – maximum 30 points******a) Test - a) Work (test form) -*** *open test consists of 15 questions concerning the material passed. Each correct answer is assessed by 1 point, incorrect - by 0 point. Maximum - 15 points.****b) Verbal quiz -*** *each closed ticket contains 3 questions / topics. Each is assessed with 0–5 points. Maximum - 15 points.****Criteria for evaluating a 5- point verbal quiz:*** ***5 points -*** *the answer is complete; the issue is conveyed accurately and exhaustively; The terminology is maintained. The student has a thorough knowledge of the past material provided by the program, has a good mastery of both basic and supplementary literature, demonstrates a good ability to analyze and generalize.****4 points:*** *the answer is complete but shortened; Terminologically correct; There is no substantial error; The student is well versed in the past material provided by the program; Has the mastery of the basic literature, demonstrates the ability to analyze and generalize.****3 points:*** *The answer is incomplete; The issue is satisfactorily conveyed; The terminology is imperfect; The student possesses the material provided by the program, but with a few errors noted, weak analysis of the issue presented by him/her.****2 points:*** *The answer is incomplete; The terminology is erroneous and inaccurate; Relevant material on the issue is presented partially; The student has insufficiently mastered the basic literature; Due to insufficient theoretical training, the student finds it difficult to analyze the material in practice and draw valid conclusions.****1 point -****the answer is not perfect; The terminology is not used; The answer is fundamentally wrong. Only separate fragments of the relevant material are presented. The student is unable to analyze practical material..* ***0 point*** *- the answer to the question is not relevant or not given at all.****Final exam maximum 40 point******a) Test*** *– the open tests consist of 22 qestions relating to the material passed, each correct answer is assessed by 1 point, incoorect – 0 point, maximum – 22 points.* ***b) Situational task*** *- maximum – 3 points;****Assessment criteria:******3 points -*** *the student understands the situation well. Demonstrates good theoretical knowledge. Has the ability to analyze and conclude correctly. Makes the correct diagnosis and makes decisions independently.****2 point -*** *the student understands the situation. Demonstrates general theoretical knowledge but is unable to make decisions independently.****1 point -*** *the student finds it difficult to understand the situation. Demonstrates scant theoretical knowledge, makes intuitive decisions.****0 point -*** *the student does not understand the situation or does not participate at all.****c) Ticket containing the closed questions (verbal).*** *Each ticket willl contain three questions. Each case is assessed with 0-5 points. Maximum – 15 points.* ***Criteria for evaluating a verbal quiz:*** ***5 points -*** *the answer is complete; the issue is conveyed accurately and exhaustively; The terminology is maintained. The student has a thorough knowledge of the past material provided by the program, has a good mastery of both basic and supplementary literature, demonstrates a good ability to analyze and generalize.****4 points:*** *the answer is complete but shortened; Terminologically correct; There is no substantial error; The student is well versed in the past material provided by the program; Has the mastery of the basic literature, demonstrates the ability to analyze and generalize.****3 points:*** *The answer is incomplete; The issue is satisfactorily conveyed; The terminology is imperfect; The student possesses the material provided by the program, but with a few errors noted, weak analysis of the issue presented by him/her.****2 points:*** *The answer is incomplete; The terminology is erroneous and inaccurate; Relevant material on the issue is presented partially; The student has insufficiently mastered the basic literature; Due to insufficient theoretical training, the student finds it difficult to analyze the material in practice and draw valid conclusions.****1 point -****the answer is not perfect; The terminology is not used; The answer is fundamentally wrong. Only separate fragments of the relevant material are presented. The student is unable to analyze practical material.* ***0 point*** *- the answer to the question is not relevant or not given at all.* |
| ***Mandatory literature*** | 1. *Joseph J. Massad, DDS/Application of the Neutral Zone in Prosthodontics, 2017,*
2. *Rosentiel/Contemporary fixed prosthodontics, 2016,*
3. *Contemorary Fixed Prothodontics // Rosensteil, Land, Fujimoto (Fourth Edition)ics , parode 2006*
4. *Zarb Bolender-Prosthodontic Treatment for Edentulous Patients /twelfth edition, 2004*
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| ***Additional******literature***  |  |
| ***Study results. Field competences*** | ***Knowledge***1. *Student describes clinical and laboratory methods and advantages and disadvantages of denture treatment. Its is familiar with esthetic and functional changes caused by complete edentulism,*
2. *Student determines necessity of denture treatment for restoration of external shape of face, chewing and speaking functions, clinical and laboratory stages of manufacturing removable plated dentures and early and late results of denture treatment.*
3. *Student identifies the oral health care needs of patients;*

***Skills***1. *Student performs and practices practical procedures effectively and safely.*
2. *Student makes intra and extra oral examination;*
3. *Student gives advices on how to get accustomed denture;Evaluate the degree of atrophy of alveolar arch;*
4. *Student makes a model and determines denture borders;*
5. *Student makes adjustment denture in oral cavity.*
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| ***Teaching methods and forms*** | *Lecture; Practical training; Discussion / debates; Teachback; Critical Reflection; Situated Learning-Review of clinical cases* |

***Appendix 1***

***Content of educational course***

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| ***Days***  | ***Teaching method*** | ***Number of hours*** | ***Topic of practical or laboratory training of Lecture/work in the working group and Literature*** |
| ***I***  | ***Lecture*** | *2* | *classification of edentulous jaws, changes associated of tooth loss* *Joseph J. Massad, DDS/Application of the Neutral Zone in Prosthodontics,2017,****pp.75-90,116*** |
| ***Practical training\seminar*** | *1* | *Syllabus presentation*  |
| ***II***  | ***Lecture*** | *1* | *Secondary edentulism , treatment of edentulous jaw by prosthodontic appliences* *Rosentiel/Contemporary fixed prosthodontics,2016,****pp.353-358****2.Joseph J. Massad, DDS/Application of the Neutral Zone in Prosthodontics,2017,****pp.1-23*** |
| ***Practical training\seminar*** | *2* | * *prognathism associated by age related*
* *prognathism associated by tooth loss*
 |
| ***III***  | ***Lecture*** | *1* | *Assessment of alveolar jaw atrophy on edentolouse jaw , examination of edentulous patients for denture treatment**Contemorary Fixed Prothodontics // Rosensteil, Land, Fujimoto (Fourth Edition)ics , parode 2006,****pp.4-17****2.Zarb Bolender-Prosthodontic Treatment for Edentulous Patients /twelfth edition, 2004,****pp.73-82, 100-123*** |
| ***Practical training\seminar*** | *2* | *Fixation of removable denture on complete edentolouse jaw* |
| ***IV***  | ***Lecture*** | *1* | *Classification of functional impression, Method of taking functional impression**Zarb Bolender-Prosthodontic Treatment for Edentulous Patients /twelfth edition, 2004,****pp.218-221*** |
| ***Practical training\seminar*** | *2**1* | * *Interviewing a patient,*
* *physical examination of face*
* *Surgical preparation of oral cavity for denture treatment.*
 |
| ***V***  | ***Lecture*** | *1* | *Consideration of anatomic, physiological and anthropometric methods of identification of dimension.* *Contemorary Fixed Prothodontics // Rosensteil, Land, Fujimoto (Fourth Edition)ics , parode 2006,****pp.48-65*** |
| ***Practical training\seminar*** | *2* | * *Classification of functional impression*
* *Sequence of laboratory methods of prosthetic and visits of a patient to clinic.*
 |
| ***VI***  | ***Lecture*** | *1* | *Selection of artificial teeth according to the face type of a patient**Joseph J. Massad, DDS/Application of the Neutral Zone in Prosthodontics,2017,****pp.99-111*** |
| ***Practical training\seminar*** | *2* | * *Determination during edentulism lower third of face*
* *Determination during edentulism centric relation*
 |
| ***VII***  | ***Lecture*** | *1* | *Inspection of denture construction**Zarb Bolender-Prosthodontic Treatment for Edentulous Patients /twelfth edition, 2004,****pp.132-158*** |
|  | ***Practical training\seminar*** | *2* | * ***Adjustment of*** *artificial teeth in orthognathic, protrusive and posterior occlusion*
* *Selection of artificial teeth*
 |
| ***VIII***  |  | *2* | *Intermediate exam*  |
| ***IX***  | ***Lecture*** | *1* | *Early and late results of use of denture**Zarb Bolender-Prosthodontic Treatment for Edentulous Patients /twelfth edition, 2004,****pp.198-205*** |
| ***Practical training\seminar*** | *2* | * *Inspection of teeth fixed to articulator.*
* *Examination of jaw models, inspection of wax tooth base or polymer base in oral cavity*
 |
| ***X***  | ***Lecture*** | *1* | *Assessment of denture quality and its functional peculiarities**Zarb Bolender-Prosthodontic Treatment for Edentulous Patients /twelfth edition, 2004,****pp.34-43*** |
| ***Practical training\seminar*** | *2* | * *Increasing or decreasing occlusal vertical dimension.*
* *Examination of relation of front and side teeth and denture peripheries. Balancing denture.*
 |
| ***XI***  | ***Lecture*** | *1* | *Negative effect of prosthesis on tissues and tissue reaction* *Zarb Bolender-Prosthodontic Treatment for Edentulous Patients /twelfth edition, 2004,****pp.20-22, 34-49*** |
| ***Practical training\seminar*** | *2* | *Study of condition and reaction of tissues of masticatory apparatus, toxic and allergic affect of component parts of denture.*  |
| ***XII***  | ***Lecture*** | *1* | *Terms of repeated prosthetics of a patient**Zarb Bolender-Prosthodontic Treatment for Edentulous Patients /twelfth edition, 2004,****pp.52-53,183-188*** |
|  |  ***Practical training\seminar training*** | *2* | *Traumatic dentistry.* [*Marginal prosthetic periodontiti*](https://www.google.ge/search?q=Marginal+prosthetic+periodontitis&spell=1&sa=X&ved=0ahUKEwjw3O_qlr7VAhVGNhoKHcj0Ap4QvwUIIygA)*des. Toxic stomatides,compresion effect*  |
| ***XIII***  | ***Lecture*** | *1* | *Summery*  |
|  | ***Practical training\seminar*** | *2* | *presentation* |
| ***XIV-XV*** |  | *2* | ***Final Exam*** |
|  |  |  | ***Additional exam*** |