**TBILISI HUMANITARIAN TEACHING UNIVERSITY**

 ***SILLABUS***

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| ***Name of educational course*** | ***Clinical odontology*** |
| ***Code of educational course*** | *STOM0403DM* |
| ***Status of educational course*** | *Compulsory course**for the one-cycle higher educational Programme-Dentistry* |
| ***ECTS*** | ***4 credits. Total: 100 hours****Contact Hours–43 hours (Class Meeting Time Period: 14L/25 Pr) + 4 hours (Midterm:2h and Final Examinations 2h):**Individual Work-57 hours* |
| ***Lecturer***  | *Nana Tsitskishvili,THTU invited lecturer,* *593496072,* *tsitskishvilinana5@gmail.com*Mariam Gogoberidze- Affiliate assistent THU*Consultation days: according to consultation schedule* |
| ***Goal of educational course*** | *The goal of the course is teaching the students the basic and techniques of Clinical odontology; to develop the clinical thinking skills, skills to draw conclusions based on clinical picture and additional examination, and subsequently to select the right direction of treatment.* |
| ***Precondition for admission***  | *Phantom odontology* |
| ***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 - the assessment of theoretical knowledge - maximum 14 points, a student is assessed 7 times during the course. - the maximum assessment - 2 scoring points.**The assessment criteria:**2 scoring 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 scoring point: The material is not very well mastered by the student. Reveals only schematic knowledge, little mastery of specific terminology, difficulty in performing given tasks.**0 scoring point: The student is passive, the material is not reviewed.****B) practical skills - 16 scoring points****The student is assessed 5 times (defining treatment tactics) during the course. The assessment of each**2 scoring points. Maximum* ***10 scoring points****.**1 point - the student links the theoretical knowledge with the practical work, performs the intended work accurately and perfectly, knows the necessary materials well, knows the rules and sequence of their use, completes the work in the specified time. Adheres to the norms of ethics in the work process.**0.5- the student is not able to perfectly link the theoretical knowledge with the practical work, he/she is not able to perform the practical work perfectly Cannot perform the work in the specified time. Does not follow the norms of ethics in the work process.**0 points - The student is passive and unprepared, cannot master practical skills.****Review of clinical cases - 4 points;****It is held during the supervision once.**-4 scoring points - a student analysis the clinical case and makes justified differential diagnose**3 scoring points - a student analysis the clinical case but hardly makes the analysis of the latter* *2 scoring points - the student is not able to analyze the case**1 scoring point - a student is not able to analyze the case****Role play - 2 scoring points****The method is defined correctly - 1 scoring point**Makes manipulations correctly - 1 scoring point****Intermediary quiz 30 scoring points******Combined:******a) tested form,*** *maximum 10 scoring points. Each correct answer is assessed as 1 point, incorrect answer - 0 point.****B) practical skills-****5 scoring points**Determining the diagnosis, filling in the medical card of the dental patient - 1 scoring point**Selection of materials for fissure sealing, preparation and the process of fissure sealing - 1 scoring point**Differential diagnosis of non-caries and caries diseases - 1 scoring point**Adequate selection of filling-restoration materials - 1 scoring point**Classification of caries diseases, preparation, filling - 1 scoring point**c) verbal - 15 scoring points - each ticket containing closed questions will be given 3 closed questions / topics, each closed question / topic is evaluated with 0-5 scoring points.****Criteria for evaluating a 5-scoring point verbal exam:******5 scoring 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 scoring points:*** *The answer is complete but shortened; Terminologically correct; The issue is exhaustively conveyed; 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 scoring 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 scoring 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; Several substantive errors are noted. Due to insufficient theoretical training, the student finds it difficult to analyze the material in practice and draw valid conclusions.****1 scoring point:*** *The answer is not perfect; The terminology is not used, or is not relevant; The answer is fundamentally wrong. Only separate fragments of the relevant material are presented. The student is unable to analyze practical material.* ***0 scoring point:*** *The answer to the question is not relevant or not given at all****The final exam is combined -40 scoring points****Writing component - 20 scoring points, held in a test form.* *The test consists of 20 closed -ended questions. For each question there are four answers given, and among them only one answer is correct.* *The correct answer shall be circled around.* *Each correctly circled test shall be assessed by 1 scoring point,* *Each incorrectly circled /marked/non-filled test shall be assessed by 0 scoring point.****B) practical skills-****5 scoring points**Determining the diagnosis, filling in the medical card of the dental patient - 1 scoring point**Selection of materials for fissure sealing, preparation and the process of fissure sealing - 1 scoring point**Differential diagnosis of non-caries and caries diseases - 1 scoring point**Adequate selection of filling-restoration materials - 1 scoring point**Classification, preparation, filling of different class caries diseases - 1 scoring point**C) The verbal component - 15 scoring points consists of 3 issues / topics from the program material, each issue / topic is evaluated with 0-5 points, the evaluation criteria of which are:**5 scoring points: The issue is covered in full; The student is erudite, has a distinctive logical and independent reasoning ability; Has the ability to express the knowledge of the material compactly.****4 scoring points:*** *The student is able to present the issue in full. Thoroughly demonstrates the ability to reason independently and draw conclusions, making minor mistakes.**3 scoring points: The student presents the issue incompletely. There are factual inaccuracies; The student's ability to reason independently and draw conclusions is satisfactory.* *2 scoring points: The student has a fragmentary mastery of the material provided by the program, there are many factual inaccuracies; The student has insufficiently mastered the basic literature. Is not able to draw conclusions.* *1 scoring point: The student is, in fact, unable to master the material provided by the program; makes substantial mistakes, has no conclusions.* *0 scoring points - cannot express the material verbally.* |
| ***Mandatory literature*** | 1. *Nisha Garg/ Textbook of OPERATIVE DENTISTRY, 2015*
2. *Priya Verma Gupta/ Differatial diagnosis of Dental Diseases, 2008*
3. *Regezi, Jordan, Sciubba/ Oral pathology, 2012*
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| ***Additional******literature***  | 1. *KMK MASTHAN/ Pediatric Oral Pathology, 2011*
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| ***Study results. Field competences*** | ***Knowledge***1. *Student describes abnormalities of teeth. developmental alterations in size and numbers;*
2. *Student describes the effects of environmental factors on public health;*
3. *Student defines sthe clasiification of dental caries,*
4. *Student determines the role of Specific Microflora in the development of caries*

***Skills***1. *Student provides effective and safe patient assessment and management in field of Clinical odontology*
2. *Student applies the dentin and root caries diagnosis.*
3. *Student integrates different viewpoints for treatment of dental caries*
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| ***Teaching methods and forms*** | *Lecture**Clinical practice**Discussion / debates**Critical Reflection**Situated Learning**Role Play**Storytelling* |

***Appendix 1***

***Content of educational course***

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| ***day*** | *Teaching method* | *Number of hours* | ***Topic of practical or laboratory training of Lecture/work in the working group*** | ***Literature*** |
| ***I***  | *Lecture* | *1* | *Abnormalities of teeth. developmental alterations in size and numbers* *Regezi, Jordan, Sciubba/ Oral pathology, 2012 Pp 373,378-380**Priya Verma Gupta/ Differatial diagnosis of Dental Diseases,2008 Pp 43-47* |  |
| *Practical training\seminar* | *2* | *Syllabus presentation* |  |
| ***II***  | *Lecture* | *2* | *Abnormalities of teeth. developmental alterations in shape , imperfecta of amelogenesis and dentinogenesis**Regezi, Jordan, Sciubba/ Oral pathology, 2012 Pp 380 -383**Regezi, Jordan, Sciubba/ Oral pathology Pp 384 - 386* |  |
| *Practical training\seminar* | *1* | * *Alteration in size*

*Macrodentia**Microdentia** *Alterations in number*

*Anodentia**hypodontia**Impaction**Supranumerary teeth* |  |
| ***III***  | *Lecture* | *1* | *Abnormalities of teeth. developmental alterations in shape and color* *Regezi, Jordan, Sciubba/ Oral pathology, 2012 Pp 374-376,387- 388* *Priya Verma Gupta/ Differatial diagnosis of Dental Diseases,2008 pp 48-58* |  |
| *Practical training\seminar* | *2* | * *Imperfecta of amelogenesis and dentinogenesis*
* *Alterations in shape*

*Gemination**Fusion**Concrescence**Dilacerations* |  |
| ***IV***  | *Lecture* | *1* | *Enamel hypoplasia, enamel prenatal hypoplasia, enamel neonatal hypoplasia, cement aplasia and hypoplasia**KMK MASTHAN/Pediatric Oral Pathology,2011 Pp 9-10* | *1/2/3* |
| *Practical training\seminar* | *2**1* | *Dens invagination**Dens evagination**Tourodontism**Supranumarary roots* *Enamel pearl** *ALTERATIONS IN COLOR*

*Exogenous Stains**Endogenous Stains* |  |
| ***V***  | *Lecture* | *1* | *Fluorosis . type, differetantion diagnosis and treatment of fluorosis* |  |
| *Practical training\seminar* | *2* | *enamel prenatal hypoplasia,* *enamel neonatal hypoplasia,* *cement aplasia* *hypoplasia* |  |
| ***VI***  | *Lecture* | *1* | *Tooth wear. etiology and treatment of attrition, abrasion, erosion, abfraction.**Regezi, Jordan, Sciubba/ Oral pathology, 2012 Pp 377-378*  |  |
| *Practical training\seminar* | *2* | *Fluorosis . type, differetantion diagnosis and treatment of fluorosis* |  |
| ***VII***  | *Lecture* | *1* | ***Dental caries,*** *Clasiification of dental caries,* ***definition, theories and of dental caries*** *Priya Verma Gupta/ Differatial diagnosis of Dental Diseases,2008 Pp 118 -124**Nisha Garg/ Textbook of OPERATIVE DENTISTRY,2015 pp 40,41,* |  |
|  | *Practical training\seminar* | *2* | * *attrition*
* *abrasion*
* *erosion*
* *abfraction.*
 |  |
| ***VIII***  |  | *2* | *Intermediate exam*  |  |
| ***IX***  | *Lecture* | *1* | *etiology pathogenesisof caries, VARIOUS ZONES OF CARIES OF DENTINE and enamel* *Priya Verma Gupta/ Differatial diagnosis of Dental Diseases,2008 Pp 125- 157* |  |
| *Practical training\seminar* | *2* | * *Classification of Dental Caries*

*Depending upon the Origin Dental Caries**Depending on the Rapidity of Progress**Depending on the Location* *Depending upon the Patient’s Age**Classification based on GV Black’s Treatment and Restorative Design** ***Definition of caries***
* ***theories of caries development***
 |  |
| ***X***  | *Lecture* | *1* | *Incipient and enamel caries, diagnosis, differential diagnosis .* |  |
| *Practical training\seminar* | *2* | * ETIOLOGY of caries

 Role of Specific Microflora *in the development of caries* *Caries induced by*Host Factors: Saliva  Xerostomia and its effect on tooth structure* *Enamel zones*

1.Translucent zone 2. Dark zone 3. Body of lesion 4. Surface zone |  |
| ***XI***  | *Lecture* | *1* | *Dentin and root caries diagnosis, differential diagnosis .* | *1/2/3* |
| *P Practical training\seminar* | *2* | * *Enamel caries, diagnosis, differential diagnosis .*
* *Incipient caries diagnosis, differential diagnosis*
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| ***XII***  | *Lecture* | *1* | Arrested Caries, Recurrent Caries (Secondary Caries), Nisha Garg/ Textbook of OPERATIVE DENTISTRY,2015 Pp 65-67 | *1/2/3* |
|  | *Practical training\seminar* | *2* | *Dentin diagnosis, differential diagnosis .**root caries diagnosis, differential diagnosis** Visual-Tactile Method of Diagnosis
* Radiographic Methods
* Dyes
* Electrical Conductance Measurement
* Lasers
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| ***XIII***  | *Lecture* | *1* | *Treatment of dental caries*  |  |
|  | *Practical training\seminar* | *2* | * Stages of Development of Arrested Caries
* Etiology and diagnosis of RECURRENT CARIES (SECONDARY CARIES)
* Etiology and diagnosis of root caries
 |  |
| ***XIV***  | *Lecture* | *1* | *Summery*  | *1/2/3* |
|  | *Practical training* | *2* | *presentation*  |  |
| ***XV-XVI*** |  | *2* | ***Final Exam*** |  |
|  |  |  | ***Additional exam*** |  |