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### თბილისისჰუმანიტარულისასწავლოუნივერსიტეტი

**TBILISI HUMANITARIAN TEACHING UNIVERSITY**

**Syllabus**

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| **Name of the course/module** | **Fundamentals of Oncology** |
| **Code of the course** | El0413DM |
| **Status of the course**  **(elective/compulsory)** | Elective course  *for the one-cycle higher educational Programme-Dentistry* |
| **ECTS** | **3 credits. Total: 75 hours**  Contact Hours–24 hours (Class Meeting Time Period:5L/15Pr.) + 4 hours (Midterm:2h and Final Examinations 2h):  Individual Work-51 hours |
| **Authors (lecturer)** | David Jinchveladze MD, Ph.D, THTU invited lecturer  Tel. 579024545,  e-mail -davidjin@yandex.ru  Consultation days: according to consultation schedule |
| **Aim of the course** | Thea aim of the course is designed Oncology foundations, ethics Deontology and studies; prevention, precancerous diseases and malignant tumors early detection methods; diagnosis, treatment (Surgery, radiation and chemotherapy) and Planning Monitoring principles. |
| **Program prerequisits** |  |
| **Assessment system and criteria** | Assessment system of the Tbilisi Humanitarian Teaching University's is divided into the following components:  The total marks of the mid term Out of the overall assessment (100 points ) is 60 points, which includes three kinds of grades:  **Student’s activity during a semester**  **One-midterm exam**  **final exam**-**40 points.**  Theminimum competence requirement for mid termevaluation components is at least 11 points in total.  **The minimum competence requirement of the final evaluation is 50% of the total mark from final evaluation that means 20 points out of 40.**  Evaluation System includes:  I. Five Forms of Positive Assessment:  (A) Excellent – 91% and more from maximum evaluation  (B) Very good – 81-90% from maximum evaluation  (C) Good – 71-80% from maximum evaluation  (D) Satisfactory – 61-70% from maximum evaluation  (E) Sufficient – 51-60% from maximum evaluation  II. Two Forms of Negative Assessment:  (A)(FX) Fail (Not passed ) - 41-50 from maximum evaluation score, which means that the student will need to work more and to retake the test after additional independent work;  (B) (F) Fail – A student gets 40 points, or less from maximum evaluation, which means that the work done by him/her is not sufficient and s/he has to retake the course from the beginning.  1. One of the negative assessment: In case of not passing, the University fixes additional exam at least in 5 days, after the announcement of final examination results, which must be published in the examination table.  2. The grades, which student gets after additional test is a student's final grades, in which is not considered the negative points of the major examination.  If a student receives from 0 to 50 points after additional test, in the final exam sheet is formed (F) -0 for the student. |
| **Course description** | appendix 1 |
| **Assessment system/activities, methods**  **and criteria** | **Activities** -maximal **30points** (daily activities 15 points, practical clinical skills 5points,presentation 5 points, Duty 5 points)  Daily activities is calculated in accordance with the level of being active during each practices( 5 meeting) – each is equal **3 points**.  During the semester maximum points- **15**  3,0 points - s/she is active during classes, obtains perfect knowledge of the ongoing topic, answers all questions completely, knows medical terms.  2, 1 points - s/he is less active during classes, does not present perfect knowledge of the ongoing topic, answers questions partly. knows medical terms not well.  0 -s/he is not active during classes/group works, does not present knowledge of the ongoing topic, do not answers questions briefly.  **Practical Clinical Skills** 5 points-evaluated with 1 point each meeting. If a student has not demonstrated the practical skills -0 points.  **Presentation** - **5 points**  5 points- Presentation is done in Power Point, s/he obtains perfect knowledge of the presented topic, has full awareness of problem issues, freely attracts attention of the audience, answers all questions completely. S/he has used different sources to cover material.  4 points - Presentation is done in Power Point, s/he obtains good knowledge of the presented topic, has good understanding of problem issues, freely attracts attention of the audience, answers all questions well. S/he has used several sourses.  3 points - Presentation is done without IT technologies, s/he obtains fair knowledge of the presented topic, partly understands the problem issues, answers all questions briefly. S/he has used a few sourses.  2 points - Presentation is done without IT technologies, s/he has fair knowledge of the presented topic, does not understand the problem issues, has difficulties in communication with the audience, answers some questions briefly. S/he has used a few sourses.  1 point - Presentation is done without IT technologies, s/he is not ready to communicate with the audience, has fair knowledge of the presented topic, cannot answer all questions.  **Duty - maximal 5points**  5 points- student attends duty practice in the clinic, looks through the patient’s history, collects anamnesis, actively participates in planning and management of clinical-laboratory observations, independently analyzes the results obtained, gets aware the scheme of treatment, assists the medical personnel, observes on-going operations, medical manipulations, and other procedures proceeding in surgery.  4 points - student attends duty practice in the clinic, looks through the patient’s history, collects anamnesis, observes planning and management of clinical-laboratory work, together with the lecturer analyzes the results obtained, gets aware the scheme of treatment. observes on-going operations, medical manipulations and other procedures proceeding in surgery.  3 points - student attends duty practice in the clinic, looks through the patient’s history, has difficulties in collecting anamnesis, observes planning and management of clinical-laboratory work, together with the lecturer analyzes the results obtained, gets aware the scheme of treatment, sometimes observes on-going operations, medical manipulations and other procedures proceeding in surgery.  2 points - student attends duty practice in the clinic, looks through the patient’s history, has difficulties in collecting anamnesis, shows no interest in observing on-going operations, medical manipulations and other procedures proceeding in surgery.  1point - student attends duty practice in the clinic only, does not look through the patient’s history, has no communication with patients, shows no interest in observing on-going operations.  **Midterm exam - 30 points,** conducted in oral format the 4th day of curation, include 6 questions,each of it evaluated 5 points.  Criteria of assessment of verbal topics are :  **5 points –**The answer is complete; Terminology is configured; student obtains perfect knowledge of the topic, s/he coveres of the material fluently, summarises core and additional literature, reveales critical thinking and logical analysis.  **4 points** -The answer is not absolutely complete; student obtains knowledge of the topic, without important mistakes, s/he coveres of the material fluently, summarises core literature, reveales critical thinking and logical analysis.  **3 points -** The answer is not complete; student obtains satisfactory knowledge of the topic, s/he coveres of the material by mistakes, summarises core literature, reveales less of critical thinking and logical analysis.  **2 points** - The answer is weak; student obtains satisfactory knowledge of the topic, makes mistakes, doenot summarises core literature, cant make critical thinking and logical analysis.  **1 points -** The answer is substantially incorrect. Set out in the relevant material  **Final Exam -40 points**administered in written form ( test),each correct answer is evaluated with 1 point, wrong answer -0 points. |
| **Core literature:** | Pitot H.C., Loeb D.D. Fundamentals of Oncology. New York: Marcel Dekker. – 2002. – 1010 p. |
| **Additional literature** | 1. Schwartz’s Principles of Surgery/Basic Considerations; 9th ed., Brunicardi F.C., Andersen D., Billiar T.R., Dunn D.L., Hunter J.G., Matthews J.B., Pollock R.E./ New York, 2006. |
| **Learning outcomes, competences**  **(general and field specific)** | **Knowledge**   1. Student describes Carcinogenesis, precancerous diseases, the most common malignant tumors of the symptoms, diagnosis, treatment / including chronic pain.   **Skills**   1. Student designs preliminary research plan by selecting clinical-diagnostic research and instrumental methods 2. Student independently communicates with patients, type history, comprehensive data collection   **Responsibilities**   1. Student recognizes the need for continuous updating of knowledge and continues professional development; 2. Student defines of topics for further education. |
| **Learning/Teaching methods** | Lecture course (modified interactive lectures)  problem-oriented teaching(group discussion), presentation. |

**Appendix1**

**Course description:**

**Topics of the lecture, practical classes/laboratory work/working group, literature**

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| **Day№** | **Type of**  **the class** | **Topics** | **Contact hours** | **Literature** |
| 1 | Lect. | Malignant tumor development regularity,  Biological characteristics of malignant tumors, tumor initiation, tumors in cell cycle regulation disorder,  Tumor invasion, neoangiogenezi, metastasis; Precancerous diseases, dysplasia essence, the essence of the earliest form of cancer | **1** |  |
| Pract. | Skin cancer. Morbidity, contributing factors, facultative and obligate precancerous skin diseases, cancer prevention measures. Melanoma | **3** |  |
| 2 | Lect. | Risk factors for the development of malignant tumors / bad habits, professional and genetic factors in the pathogenesis of cancer and / or their grades.  Healthy lifestyle, socio-sanitary measures and the individual cancer. Fight smoking. Primary, secondary and tertiary prevention of the essence. | **1** |  |
| Pract. | Breast cancer treatment,total mastectomy  lung cancer. Lung cancer prevention. Clinical and anatomical classification. Clinical options. Differential diagnosis. | **3** |  |
| 3 | Lect. | Deontology principles of oncology | **1** |  |
| Pract. | Georgian healthcare system | **3** |  |
| 4 | Midterm | | **2** |  |
| Lect. | Radiation and chemotherapy, indications, contraindications | **1** |  |
| Pract. | Side effects of Radiotherapy and chemotherapy | **3** |  |
| 5 | Lect. | Late diagnosis of malignant tumors | **1** |  |
| Pract. | malignant tumors | **3** |  |
| **17 - 18 week** | **Final exam** | | **2** |  |
| **19-20week** | **Re exam** | |  |  |