

Course;	
Name	1 st committee: Introduction to Medicine
Status	Compulsory
Credits	
ECTS credits	8.5
Responsibility	Assoc. Prof. Dr. Ersin Ö Ü
Prerequisite	None
Period	6 weeks, 140 hours
Content	This course informed to students introduction to the medicine, history and education systems of medicine, additionally organic chemistry, histology, biophysics and basic information technologies and tools
Objectives	The main objective of the course is to introduce students inspection of history of medicine and development of medical sciences, comprehensive explanation of medical education systems, additionally basic organic chemistry knowledge and using of this knowledge in the medical area, basic histological methods and screening methods, energy flow in the cell and effects of radiation on the cell
Teaching and learning methods	Theoretical, laboratory applications
Assessment	Theoretical (90%, including practice notes), Advanced English (10%)
Language	Turkish

1. IDENTIFICATION OF THE COURSE

THE HISTORY OF MEDICINE AND INTRODUCTION TO MEDICAL SCIENCES

2. DESCRIPTION

The history of medical science, considered as a part of the general history of civilization, should logically begin in Mesopotamia, where tradition and philological investigation placed the cradle of the human race. The course has particular strengths in the history of medicine in early medical history; the history of biomedical sciences; and in the history of disease, public health, and the history of Turkish medicine. In addition, basic themes and major works in Medical Sciences are also reviewed. After an overview of the course, we will examine a number of theoretical and substantive issues in the area of the History of Medicine. We will start off by considering various conceptions of health, disease, and the health sciences and their relationship to the society.

This course also includes the history of technology as well as the main branches of medical sciences. We will also consider the relationship between art and medicine as there has been a strong interaction among them all through the history. It concentrates on the history of medical sciences.

Within the course, the History of Medicine teach a range of lessons, with special emphasis on history of medicine in the Hippocratic period, Middle Ages, early modern Europe; medical history in the 19th and 20th centuries; the history of the biomedical sciences, history of disease and public health,

3. LEVEL

a. Prerequisite:

None

b. Objectives:

The first objective of the course is to familiarize students with the basic concepts and approaches within medical sciences and to help students to develop a historically understanding of medical issues. This course seeks to bring historical perspectives to bear on contemporary health issues and, to explore specific themes and issues in the history of medicine. The course of the History of Medicine provides scholars interested in the history of medicine with resources and a collegial intellectual environment in which to pursue their research interests.

c. Learning Outcomes:

This course will be helpful for the students in recognizing, classifying, inferring, explaining concept of the history of medicine and the medical sciences.

d. References

Textbooks

- BAYAT, A. H., (2003): Tıp Tarihi, zmir.
- BOORSTIN, D., J., (1994): Ke ifler ve Bulu lar, Çeviren Fato Dilber, Türkiye Bankası Yayınları, Yayın No:329

- CASTIOGLIONI, A., (1958): A History of Medicine, 2. Edition, Alfred A. Knopf Pub., Newyork
- FAUCAULT, M.,(1976): The Birth of The Clinic; An Arkeology of Medical Perception, London
- GÜVENÇ, B., (1996): Türk Kimli i Kültür Tarihinin Kaynakları, Remzi Kitabevi, 4. Bas. stanbul
- NASUH O LU, brahim, (1974) Tıp Tarihine Kısa Bir Bakı , Ayyıldız mat., Ankara
- SAYILI, A., (1948): Hayatta En Hakiki Mür it limdir, Gündo an Yayınları, Ankara
- EHSUVARO LU, Bedii, N., (1953), stanbul'da 500 Yıllık Sa lık Hayatımız, stanbul Fetih Derne i, Yayın No:21, stanbul
- EHSUVARO LU, Bedii, N., DEM RHAN, A., GÜRE SEVER, G., (1984), Türk Tıp Tarihi, Bursa.
- TABABET UZMANLIK TÜZÜ Ü, (1973): 4.5.1973/76229.
- TAYLOR, F., K., (1979): The Concepts of Illness, Disease and Morbus, Cambridge Universty Press.
- UZLUK, F. Nafiz, (1959):Genel Tıp Tarihi, AÜTF yay., No;68 , Ankara
- ÜNVER, Süheyl, (1938):Tıb Tarihi, Matbai Ebüziyya, stanbul
- YILDIRIM, R. Vedat, (2012): Tıp Tarihi Ders Notları, Ba kent Üniversitesi Yayınları, Ankara

4. COMPULSORY or ELECTIVE

This course is a compulsory course

5. TEACHING STAFF

Lecturer R. Vedat YILDIRIM (PhD)

6. LENGTH AND PERIOD

This course is 10 hours in phase I. Topics to be covered are shown below:

Hours	Topics
1	Introduction to History of Medicine, Medicine in Prehistoric Period
2	Medicine in Ancient Mesopotamian Civilizations
3	Medicine in Ancient Egyptian, Chinese and Indian Civilizations
4	Medicine in Ancient Greek and Roman Civilizations
5	Medicine in Middle Ages and Islamic Medicine
6-7	Medicine in Renaissance and 17th and 18th Centuries
8	Seljukian Medicine
9	Ottoman Medicine
10	Modernization of Medicine in The Ottoman Empire and The Turkish Republic

7. TEACHING AND LEARNING METHODS

The course will consist of lectures, class discussions, and reading assignments.

8. ASSESSMENT:

The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

9. THE LANGUAGE:

The language of the course is Turkish.

10. ECTS CREDIT ALLOCATION

BASIC INFORMATION TECHNOLOGIES AND TOOLS

1.DESCRPTION

Teaching how to access the knowledge from a variety of ways.

2.LEVEL

a. **Prerequisite:** None

b. **Objectives :** The aim is to teach the students the logic of computers and enable them to use the Word program, one of the word processors, in Windows environment, as well as the methods of accessing a knowledge in various ways and using the library.

c. LEARNING OUTCOMES

- To teach the students the logic of computers
- Enable the students to use the Word program, one of the word processors, in Windows environment
- The methods of accessing a knowledge in various ways and using the library

d. References:

1. Adım Adım Word 7, Microsoft Press,1994.
2. Bilgisayar Kullanma ve Programlama Teknikleri , Özı ık, ., 1995.
3. Bilgisayar Programlama, Kesici, T., Kocaba , Z., 1996. A.Ü. Ziraat Fakültesi Yayınları.
4. Exploring Microsoft Office Professional For Windows 95, Volume 1, Version 7.0, Grauer, R. T., Barber M. 1996, Prentice Hall, New Jersey.
5. Herkes için Bilgisayar, Yanık, M., 1996.
6. Kim Korkar WINDOWS 98'ten. Kuyucu, L., Hakman, S. Pusula Yayıncılık, 1996.
7. Microsoft Office 97, Paul McFedries, et al., Sams Publishing, 1996.

3. MANDATORY OR OPTIONAL COURSE

This course is a mandatory course.

4. TEACHING STAFF

Assoc. Prof. Dr. Ersin Ö ü , Assoc. Prof. Dr. A.Canan Yazıcı

5. LENGTH AND PERIOD

This course is a 29 hours course.

Topics

Hours	Topics
1,2	Structure of computer, properties, history. Software, hardware, operating systems, MS-DOS operating systems
3,4	Windows operating system, Windows 98 basic elements
5,6,7	Using Windows 98 desktop
8,9,10	Introduction to MSOffice Word, using toolbars and menus.

11,12,13	Creating Word documents, saving a document and printing text
14,15,16,17	Formatting word documents
18,19,20	Inserting pictures, graphics into Word documents and using drawing tools
21,29	Using the library

6. TEACHING AND LEARNING METHODS

The course will consist of lectures, class discussions, computers applications and home works.

7. ASSESSMENT

The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations. As well as computer applied examinations.

THE LANGUAGE

The language of the course is Turkish

Hour	Topic
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ORGANIC CHEMISTRY

- 1. Description:** This course deals with the basic organic chemistry concept including the principles of general chemistry for medical sciences.
- 2. Level:**
 - a. Prerequisite:** None.
 - b. Objectives:** To familiarize the knowledge of fundamentals of organic chemistry and to develop the importance/usage of them for medical sciences..
 - c. Learning Outcomes:** to consolidate the basic and organic chemistry this is used in medicine and to clarify the understanding of other courses such as biochemistry.
 - d. References:**
 1. Fessenden, R.J. and Fessenden, J.S., 1984, Basic Chemistry for the Health Sciences. Allyn and Bacon, Inc. USA.
 2. Amend, J.R., Mundy, B.P. and Arnold, M.T. 1993, General, Organic and Biological Chemistry, Second Edition, Saunders, USA.
 3. Segel, I.H., 1976, Biochemical Calculations. Second Edition, John Wiley and Sons, Inc., New York, USA.
- 3. The Status of the Course:** It is a compulsory course
- 4. Teaching Staff:** Prof. Dr. E. Suna Türko lu, Prof. Dr. Derya Akaydın Aldemir
- 5. Period and Plan of the Course:** 41 hours (11h lab). Topics to be covered are shown below:

1	Structure of the atom and periodic properties of elements
2-3	Chemical bonds
4	Properties of chemical reactions
5	Chemical equilibrium
6-7	Chemical reactions and energy
8	Oxidation and reduction reactions
9-12	Solutions, colloids and suspensions
13-14	Acids and bases
15-16	Ionization of water and pH
17	Buffer systems
18, 19	Lab: Introduction to laboratories (2h)
20 -22	Lab: Acid-base titration (3h)
23-25	Lab : Concept of buffer and pH (3h)
26-28	Lab: Chloride analysis in water (3h)
29, 30	Introduction to organic chemistry
31-33	Saturated and unsaturated hydrocarbons
34,35	Stereoisomerisms: Optically active compounds
36-39	Functional groups and their importance
40,41	Basic organic compounds in biological systems

6. **Teaching and Learning Methods:** The course will consist of lectures, class discussions, and reading assignments.
7. **Assessment:** The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.
8. **The Language:** The language of the course is Turkish.

1. **Identification:** Name: Biophysics (Introduction to Medicine, Committee 1)
2. **Description:** This course reviews the basic biophysical aspects of the cell science in terms of energy flow. During this course, the topics to be discussed will cover the biophysical basis of the thermodynamics, and biophysical basis of radiation with special emphasis on the use of radiation in medicine.
3. **Level:**
 - a. **Prerequisite:** None
 - b. **Objectives:** To familiarize the students with the basic concepts and approaches of biophysical events occurring in cell systems in terms of energy flow and effect of radiation to help them to develop an understanding of related biophysical issues. It is believed that this experience will be useful for them during their career. The final exam will cover all the topics.
 - c. **Learning outcomes:** At the end of this committee, the students are expected to be familiar with the basic concepts and approaches of biophysical events occurring in cell systems in terms of energy flow and radiation to help them to develop an understanding of related biophysical issues.

d. References

Becker, W. M., Reece, J. B., and Poenie, M. F. (1996). *The world of the cell*, 3rd Edition, Menlo Park, Calif.: Benjamin/Cummings.

Berne, R.M. and Levy, M.N., (2000) *Principles of Physiology*, 3rd edition, US: A Harcourt Health Sciences Company.

Çelebi, G., (1989) *Tıp ve Di Hekimli i Ö rencileri için Biyofizik*, cilt 1, Beyo lu- stanbul: Ça layan Kitabevi.

Davies, A., Blakeley, A.G.H., Kidd, C., (2001) *Human Physiology*, Churchill Livingstone, Spain, Harcourt Publishers Ltd.

Ganong, W.F., (2002) *Tıbbi Fizyoloji*, Turkish edition: Nobel Tıp Kitabevi Ltd.

Gökhan, N., Çavuşoğlu, H., Kayserilioğlu, H., (1983), *İnsan Fizyolojisi*, Kırklareli- Vize: Sermet Baskı.

Guyton, A.C., Hall, J.E., (2001) *Tıbbi Fizyoloji*, 1st edition in Turkish: Yüce Basım ve Nobel Tıp Kitabevi Ltd.

Pehlivanlı, F., (1997) *Biyofizik*, 2nd edition, Ankara: Hacettepe-Ta Kitabevi Ltd.

Ronto, G., and Tarjan, I., (1999) *An Introduction to Biophysics with Medical Orientation*, Semmelweis Kiado, Budapest, Hungary: Akademiai Kiado.

4. **Mandatory or optional course units:** It is a mandatory course.
5. **Teaching staff:** Assoc. Prof. Dr. Neslihan Toyran Al-Otaibi, Ph.D, Assoc. Prof. Dr. Erhan Kızıltan
6. **Length and Period:** 9 hours. Topics to be covered are shown below:

HOURS	TOPICS
1-4	FLOW OF ENERGY IN THE CELL
5- 9	BIOPHYSICAL BASIS OF RADIATION

7. Teaching and Learning Methods

The course will consist of lectures and class discussions.

8. Assessment:

The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

9. The Language:

The language of the course is Turkish.

10. ECTS credit allocation

11. GLOSSARY

1. IDENTIFICATION OF THE COURSE : HISTOLOGY AND EMBRYOLOGY

2. COURSE DESCRIPTION: During the course, microscope types, histological examination methods: tissue processing, histochemical methods, immunohistochemical techniques were introduced and visual experience of students to recognize these samples prior to practical work was achieved. Culture techniques and environment were introduced to understand why and when these are used together with stem cell concept as a clinical application sample.

3. LEVEL OF THE COURSE

a. Prerequisites of the course: None

b. Objectives of the course: Introduction of histological techniques and examination methods with their basic principles and their area of usage

c. Learning outcomes of the course:

- 1) Be able to determine the histological method for a certain goal
- 2) Be able to explain the cause-effect relationship while selecting the tools and methods for microscopic examination

d. References of the course:

1. Kühnel, Wolfgang. (2003). Color Atlas of Cytology, Histology, and Microscopic Anatomy. Stuttgart – New York: Thieme Verlack
2. Fawcett, Don W. (1994). A Textbook of Histology. New York – London: Chapman and Hall. Twelfth Edition
3. Gartner, Leslie P. (2006). Color Textbook of Histology. Philadelphia – London: Lippincott Williams&Wilkins A Wolters Kluwer Company. Fourth Edition.
4. Ross, Michael H. (2003). Histology A Textbook and Atlas. Philadelphia: Williams and Wilkins. Fourth Edition.
5. Junquera, Luis C. (2005). Basic Histology Text and Atlas. Philadelphia: McGraw-Hill Companies. Eleventh Edition.
6. Alberts, B. (2002). Molecular Biology of The Cell. New York: Garland Science. Fourth Edition.
7. Kierszenbaum Abraham L. (2006). Histoloji ve Hücre Biyolojisi: Patolojiye Giriş" (Histology and Cell Biology: An Introduction to Pathology), Palme Yayıncılık.
8. Ovalle William K. ,Nahirney Patrick C. , (2009) Netter Temel Histoloji (Netter's Essential Histology), Güne Tıp Kitabevleri

4. STATUS OF THE COURSE (COMPULSORY/ELECTIVE)

This course is a compulsory course

5. NAME OF THE TEACHING STAFF OF THE COURSE

Prof. Dr. Attila Da deviren, Dr. Nejmi Za yapan, Lect. Fatma Helvacio lu, PhD.

6. THE PERIOD AND THE PLAN OF THE COURSE

The course is a 13 hours course.

TOPICS

Hours	Topics
1-2	Introduction to Histology and Microscopes, Basic Principles of Microscopy and usage
3-4	Basic principles of Histochemical techniques
5-6	Immunohistochemical Methods
7-8	Histochemistry samples
9-10	Cell Culture and Stem Cell Technologies

7. TEACHING AND LEARNING METHODS OF THE COURSE: Multimedia visual aid supported class lectures

8. ASSESSMENT METHOD AND THE GRADING OF THE COURSE: The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

9. LANGUAGE OF INSTRUCTION: Turkish

10. ECTS CREDIT ALLOCATION:

11. GLOSSARY:

MEDICAL EDUCATION

1. DESCRIPTION

It is composed of lectures that include medical education methods and historical evolution of medicine. Lectures also include job descriptions of medical teachers, learning, teaching and assessment methods in medical education. The lectures also focus on the effects of communication in medical practice and emphasize the importance of communication skills.

2. LEVEL

a. Prerequisite:

None.

b. Objectives:

The main aim of the lecture is orientation of the students on medical education. They also realize their own importance as a program assessment component. It is expected them to be familiar with academic consultancy program in the school. As a result they expected to be open for professional development.

Another aim is to meet the students with communication skills in order to lead them to use these skills for making their own medical education more effective.

Despite these they meet and become familiar the communication skills of a medical doctor and historical evolution of medicine.

c. Learning Outcomes:

It is aimed them to understand the medical education and learning methods. The detailed list of learning outcomes are given in the following table.

1	Explains the effect of communication skills to medical education	Cognitive
2	Explains ego	Cognitive
3	Determines relation between the ego and stress	Cognitive
4	Summarize the effect of communication skills on stres	Cognitive
5	Tells the main components of communication	Cognitive
6	Explains the perception of trainee and trainer	Cognitive
7	Explains the social power and effects on communication	Cognitive
8	Realizes the self social power	Affective
9	Tells the social powers that fascilitates good communication	Cognitive
10	Explains the effect of student coordination on education	Cognitive
11	Realizes defensive communication	Affective
12	Explains body language	Cognitive
13	Uses body language	Psychomotor
14	Explains development of culture and effect on learning behavior	Cognitive
15	Explains empathy	Cognitive
16	Uses empathic communication	Psychomotor
17	Differentiates trainer and trainee agenda	Cognitive
18	Explains the components of active listening	Cognitive
19	Listens actively	Psychomotor
20	Tells the components of wordless communication	Cognitive
21	Percieves wordless communication	Cognitive
22	Realizes the importance of questioning in learning	Affective
23	Explains the question types in learning	Cognitive
24	Realizes self learning methods	Affective
25	Realizes self teaching approaches	Affective
26	Explains motivation	Cognitive
27	Explains curriculum	Cognitive
28	Tells the components of curriculum	Cognitive
29	Explains the meaning of learning outcome	Cognitive
30	Prefers to study depending on learning outcomes	Affective
31	Explains the methods of teaching cognitive learning otucomes	Cognitive
32	Explains the methods of teaching psychomotor learning otucomes	Cognitive
33	Explains the methods of teaching affective learning otucomes	Cognitive
34	Explains assesment methods of cognitive learning otucomes	Cognitive
35	Explains assesment methods of psychomotor learning otucomes	Cognitive
36	Explains the concept of feedback	Cognitive
37	Gives costructive feedback	Psychomotor
38	Explains the concept of validity	Cognitive

39	Tells the components of content validity	Cognitive
40	Realizes the importance of validity for assesment methods	Affective
41	Explains the concept of reliability	Cognitive
42	Realizes the importance of internal consistancy for assesment methods	Affective
43	Explains differentiation and difficulty indexes	Cognitive
44	Tells the components of program assesment	Cognitive
45	Realizes her/his own impotance for program development	Affective

d. References

1. Basics In Medical Education. Zubair Amin, Khoo Hoon Eng, 2007, World Scientific Publishing Co. Pte. Ltd.
2. Perceptions of Teachers' Communicative Style and Students' Intrinsic and Extrinsic Motivation. KIMBERLY A.N The Modern Language Journal, 83, i, (1999) 0026-7902/99/23-34.

3. COMPULSORY or ELECTIVE COURSE

This course is a compulsory course

4. TEACHING STAFF

Prof. Dr. Derya AKAYDIN ALDEM R
 Prof. Dr. Remzi ERDEM
 Prof. Dr. Zeynep KAYHAN
 Prof. Dr. Haldun MÜDERR SO LU
 Prof. Dr. Faik SARIAL O LU
 Prof. Dr. Feride . AH N
 Assoc. Prof. Dr. Erhan BÜKEN
 Dr. Kumru Didem ATALAY
 Dr. Arzu BALKAN
 Dr. Gökhan EM NSOY
 Dr. Fazıl Serdar GÜREL

5. LENGTH AND PERIOD

This course is 29 hours. Topics to be converted are shown below.

Hours	Topics
1	Mission, vision, objectives, teaching goals, history, management scheme, commissions, training, education and examination regulations, departments and faculty members
2	National and Ba kent University Core Education Programme
3	Integration and curriculum, years and the course Programme
4-5	Medical education systems in our country and the word
6	Relationships between domestic and abroad Universities, Ba kent Üniversity Medical School Scientific research community-Medical Students' International Committee

7	The duties and responsibilities of faculty members
8	Education and training examination regulations
9	Amphi, classrooms, study rooms, student affairs, coordination office
10	Learning in medical education
11	Training methods in medical education and educational
12-13	Measurement and evaluation in medical education
14	Consultation system, student council, student representation and the electoral process
15-19	The importance of communication in medical education
20-24	The role of communication in medical application
25	Mission, vision, management scheme, boards, departments
26-29	Practical assessment

6. TEACHING AND LEARNING METHODS

The course will consist of lectures and class discussions.

7. ASSESSMENT :

The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

8. THE LANGUAGE :

The language of the course is Turkish.

9. ECTS CREDIT ALLOCATION

1. Identification of the Course

English for Specific Purposes I for Faculty of Medicine

2. Course Description

The course is an EAP / ESP oriented English course which is designed to cater the needs of students who study at the Faculty of Medicine. The course mainly focuses on all four skills of language: reading, writing, listening and speaking. Lexical studies and grammar are also dealt with both for recognition and production purposes. Language and skills are not only improved but also practiced in an integrated manner. Skills are observed as receptive and productive. Productive skills such as writing in particular, emphasize conventions of academic writing through process approach. In addition, stylistics, mechanics, coherence and unity are emphasized. Speaking mainly focuses on classroom discussions, which encourage students to express themselves in different academic and professional contexts. Receptive skills of reading and listening both focus on reading / listening for main idea, specific information, note taking, deducing meaning from contextual clues, and transferring received information into visual representations such as charts, graphs, etc.

3. Level

a. Prerequisite

Intermediate level of English

b) Objective

To improve students' language competence by practicing basic language structures and functions. To enable students to build lexicon, which involves subject-specific and academic topics.

c) Intended Learning Outcomes

At the end of this course, the learner is expected to demonstrate detailed understanding of academic and professional contexts. He/ she is also expected to acquire writing and speaking skills to express himself / herself in different academic and professional contexts.

d) References

English for Medicine Booklet I, compiled by Curriculum Development Unit of English Language Department, 2008

4. Compulsory or Elective course

Is a compulsory course for students in the Faculty of Medicine.

5. Teaching Staff

Selde Erdem Çekiç, Ziya Aksoy

6. Length and Period

Is a two-semester course.

Committees	Contents
Committee I (12 hours)	Personality traits and other qualities required for the study of medicine and to become a good doctor. Illnesses, diseases and other health conditions. Academic reading and writing skills
Committee II (18 hours)	Syllabus of a medical school. Medical specialties and specialists. Reading strategies. Academic writing.
Committee III (15 hours)	The clinical spectrum. Reading strategies. Academic writing. Common diseases, illnesses and conditions
Committee IV (15 hours)	An epidemiological approach to medicine. Malnutrition Measuring things in medicine. Statistics
Committee V (12 hours)	Preventive medicine. Immunity and immunization. Academic reading and writing skills
Committee VI (6 hours)	Human anatomy. First aid in medical emergencies. Planning and outlining for presentation

7. Teaching and Learning Methods

The teaching method is eclectic and functional, including lectures, class discussions, reading and writing assignments.

8. Assessment

Student progress is assessed through written exams, one per committee and one final at the end of the academic year, each counting as 10% (10 points out of 100). Percentages are set by the Faculty term-coordinators, thus they may vary.

Course;	
Name	2 nd committee: Introduction to Cell Sciences
Status	Compulsory
Credits	
ECTS credits	10,5
Responsibility	Prof. Dr. E. Suna TÜRKÖ LU
Prerequisite	None
Period	8 weeks, 195 hours
Content	This course informed to students basic cell structure, biological molecules, membrane structure and function and cell physiology
Objectives	The main objective of the course is to introduce students cell membrane and membrane enclosed organelles, structure, functions and interactions of these organelles, structure and functions of organic molecules, extracellular matrix structure and function
Teaching and learning methods	Theoretical, laboratory applications
Assessment	Theoretical (90%, including practice notes), Advanced English (10%)
Language	Turkish

BASIC INFORMATION TECHNOLOGIES AND TOOLS 1. DESCRIPTION

Teaching how to access the knowledge by various ways

2. LEVEL

a. Prerequisite: None

b. Objectives : The aim is to equip the students with the necessary skills so that they could use the table-making (Excel) and presentation (PowerPoint) programs in Windows environment and the course tools necessary at Medical School labs.

c. Learning Outcomes

- To equip the students with the necessary skills so that they could use the table-making (Excel) and presentation (PowerPoint) programs in Windows environment.
- To equip the students with the necessary skills so that they could use the course tools necessary at Medical School labs.

c. References

1. Adım Adım Word 7, Microsoft Press,1994.
2. Bilgisayar Kullanma ve Programlama Teknikleri , Özı ık, ., 1995.
3. Bilgisayar Programlama, Kesici, T., Kocaba , Z., 1996. A.Ü. Ziraat Fakültesi Yayınları.
4. Exploring Microsoft Office Professional For Windows 95, Volume 1, Version 7.0, Grauer, R. T., Barber M. 1996, Prentice Hall, New Jersey.
5. Herkes için Bilgisayar, Yanık, M., 1996.
6. Kim Korkar WINDOWS 98'ten. Kuyucu, L., Hakman, S. Pusula Yayıncılık, 1996.
7. Microsoft Office 97, Paul McFedries, et al., Sams Publishing, 1996.

3. MANDATORY OR OPTIONAL COURSE

This course is a mandatory course.

4.TEACHING STAFF

Assoc. Prof. Dr. Ersin Ö ü , Assoc. Prof. Dr. A.Canan Yazıcı,

5.LENGTH AND PERIOD

This course is a 23 hours course.

Topics

Hours	Topics
1,2	Introduction to Excel
3,4	Using toolbars and menus
5,6	Entering data into Excel and making tables
7,8,9	Creating formulas at Excel
10,11,12	Drawing graphs at Excel
13,14,15	Using Powerpoint
16,17,18,19	Preparing a presentation
20-23	Using Medical School Labs

6. TEACHING AND LEARNING METHODS

The course will consist of lectures, class discussions, computers applications and homeworks.

7. ASSESSMENT

The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations. Computer applied examinations evaluates students and adding the Committee examination.

8. THE LANGUAGE

The language of the course is Turkish

BIOCHEMISTRY

Description: In this course, basic concepts and approaches of biochemistry are introduced and the structure and functions of biomolecules are discussed.

1. Level:

a. Prerequisite: None.

b. Objectives: To familiarize the importance of biomolecules in cellular systems and to emphasize their functions in metabolic approach.

c. Learning Outcomes: To provide the knowledge of structure and function of biological molecules and to emphasize the importance of them.

d References:

1. Voet D and Voet JG 2011, Fundamentals of Biochemistry. Fourth Edition, John Wiley and Sons, USA.
2. Nelson, D.L. and Cox, M.M., 2008, Lehninger Principles of Biochemistry. Fifth Edition, Worth, Inc., USA.
3. Devlin, T.M. 2011, Textbook of Biochemistry with Clinical Correlations. 7th Editions, Wiley-Liss, Inc., New York, USA.

2. The Status of the Course: It is a compulsory course.

3. Teaching Staff: Prof. Dr. E. Suna Türko lu, Prof. Dr. Derya Akaydın Aldemir

Assist . Prof. Dr. Nilüfer Bayraktar, Dr. Tuba Çandar

4. Period and Plan of the Course: 59 hours (17h lab). Topics to be covered are shown below:

Hour	Topic
1	Introduction to Biochemistry
2 - 5	Amino Acids
6 – 8	Lab: Paper Chromatography of amino acids (3h)
9, 10	General Properties of Proteins
11, 12	Lab: General Properties and Qualitative analysis of Proteins (2h)
13 -15	Lab: Gel Filtration Chromatography (3h)
16 – 18	Covalent Structures of Proteins
19, 20	Three Dimensional Structures of Proteins
21 - 25	Functions of Proteins

26-29	Introduction to Enzymes
30-33	Enzyme Kinetics
34 – 36	Carbohydrates
37 - 39	Lab: Qualitative analysis of carbohydrates (3 h)
40 – 43	Lipids and lipoproteins
44 - 46	Biological membranes: Structure and transport
47	Nucleotides
48-53	Vitamins and Coenzymes
54-56	Lab: Spectrophotometric analysis (3h)
57-59	Lab: Analysis of vitamin C in biological fluids (3h)

- 5. Teaching and Learning Methods:** The course will consist of lectures, class discussions, and reading assignments.
- 6. Assessment:** The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.
- 7. The Language:** The language of the course is Turkish.

1. **Identification:** Name: Biophysics
2. **Description:** This course reviews the basic biophysical aspects of the cell science. During this course, the topics to be discussed will cover the biophysical basis of the diffusion of molecules across the membrane, the membrane model and the formation of membrane potentials, kinetics of the channels and changes in membrane potentials.
3. **Level:**
 - a. **Prerequisite:** None
 - b. **Objectives:** To familiarize the students with the basic concepts and approaches of biophysical events occurring in cell systems to help them to develop an understanding of related biophysical issues. It is believed that this experience will be useful for them during their career. The final exam will cover all the topics.
 - c. **Learning outcomes:** At the end of this committee, the students are expected to be familiar with the basic concepts and approaches of biophysical events occurring in cell systems to help them to develop an understanding of related biophysical issues.

d. References

Becker, W. M., Reece, J. B., and Poenie, M. F. (1996). *The world of the cell*, 3rd Edition, Menlo Park, Calif.: Benjamin/Cummings.

Berne, R.M. and Levy, M.N., (2000) *Principles of Physiology*, 3rd edition, US: A Harcourt Health Sciences Company.

Çelebi, G., (1989) *Tıp ve Di Hekimli i Ö rencileri için Biyofizik*, cilt 1, Beyo lu- stanbul: Ça layan Kitabevi.

Davies, A., Blakeley, A.G.H., Kidd, C., (2001) *Human Physiology*, Churchill Livingstone, Spain, Harcourt Publishers Ltd.

Ganong, W.F., (2002) *Tıbbi Fizyoloji*, Turkish edition: Nobel Tıp Kitabevi Ltd.

Gökhan, N., Çavuşo lu, H., Kayserilio lu, H., (1983), *nsan Fizyolojisi*, Kırklareli-Vize:

Sermet Baskı.

Guyton, A.C., Hall, J.E., (2001) *Tıbbi Fizyoloji*, 1st edition in Turkish: Yüce Basım ve Nobel Tıp Kitabevi Ltd.

Pehlivanlı, F., (1997) *Biyofizik*, 2nd edition, Ankara: Hacettepe-Ta Kitabevi Ltd.

Ronto, G., and Tarjan, I., (1999) *An Introduction to Biophysics with Medical Orientation*, Semmelweis Kiado, Budapest, Hungary: Akademiai Kiado.

4. **Mandatory or optional course units:** It is a mandatory course.
5. **Teaching staff:** Assoc.. Prof. Dr. Neslihan Toyran Al-Otaibi, Assoc Prof. Dr. Erhan Kızıltan
6. **Length and Period:** 17 hours. Topics to be covered are shown below:

HOURS	TOPICS
1-4	DIFFUSION OF MOLECULES ACROSS THE MEMBRANE
5-8	MEMBRANE MODEL AND THE FORMATION OF MEMBRANE POTENTIALS
9, 10	KINETICS OF THE CHANNELS
11-12	CHANGES IN MEMBRANE POTENTIALS
14-15	BIOELECTRICAL MEASUREMENT AND OBSERVATION TOOLS
16-19	LABORATORY: DIFFUSION AND OSMOSIS

7. Teaching and Learning Methods

The course will consist of lectures and class discussions.

8. **Assessment:** The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.
9. **The Language:**
The language of the course is Turkish.

BA KENT UNIVERSITY FACULTY OF MEDICINE

1. Identification: Name: Medical Biology

2. DESCRIPTION

This course reviews cellular organelles at the molecular level and relation of these organelles and molecular structure of the extracellular matrix components.

2. LEVEL

a. Prerequisite: None

b. Objectives: The main objective of the course is to introduce students molecular structure of the cellular organelles and extracellular matrix.

c. Learning outcomes: We believe that this course will be helpful to give a brief overview on the basic concepts of subcellular structures and organelles to the students in earning to talent in interpreting, comparing, distinguishing the mechanisms.

d. References:

1. Cooper, Geoffrey M, The Cell - A Molecular Approach Sunderland (MA): Sinauer Associates, Inc.; c2000
2. Alberts, Bruce; Johnson, Alexander; Lewis, Julian; Raff, Martin; Roberts, Keith; Walter, Peter Molecular Biology of the Cell, New York and London: Garland Science; c2002
3. Lodish, Harvey; Berk, Arnold; Zipursky, S. Lawrence; Matsudaira, Paul; Baltimore, David; Darnell, James E. Molecular Cell Biology, New York: W. H. Freeman & Co..2006

3. MANDATORY OR OPTIONAL COURSE

This is a mandatory course.

4.TEACHING STAFF

Prof. Dr.F. Belgin Atac, Assist. Prof. Dr. Erkan Yurtcu

5.LENGTH AND PERIOD

This is a 17 hours course.

TOPICS

Hours	Topic
1,2	Basic cell structure
3,4	Structure and functions of cell membrane
5,6	Structure and functions of endoplasmic reticulum and golgi apparatus
7	Structure and functions of nucleus membrane
8-10	Structure and functions of mitochondria, lysosome and peroxysome
11,12	Structure and functions of nucleus and chromatin
13-15	Cell skeleton, centriolles and intercellular communication sturctures
16,17	Structure and functions of extracellular matrix

6. TEACHING AND LEARNING METHODS

The course will consist of lectures, class discussions.

7. ASSESSMENT

8. Assessment: The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

9. THE LANGUAGE

The language of the course is Turkish

1. IDENTIFICATION OF THE COURSE : HISTOLOGY AND EMBRYOLOGY

2. COURSE DESCRIPTION: During the course, internal structure of the cell and its components (organelles, inclusions) is introduced at light and electron microscopic levels. Structural reflection of cellular events like cell cycle, division and death are described. During practical work, different cells types and their structural features are introduced under light microscope.

3. LEVEL OF THE COURSE

a. Prerequisites of the course: None

b. Objectives of the course: Basic information and visual experience to recognize substructures composing cells and reflections of cellular events are introduced. Microscopical experience to recognize different cell types with their distinctive features is provided during the practical work.

c. Learning outcomes of the course:

- 1) Be able to distinguish specific structural features of different cell types visually and correlate these with their functions.
- 2) Be able to evaluate microscopical findings as an evidence of cellular events.
- 3) Be able to differentiate various cell types by self light microscopic examination

d. References of the course:

1. Kühnel, Wolfgang. (2003). Color Atlas of Cytology, Histology, and Microscopic Anatomy. Stuttgart – New York: Thieme Verlack
2. Fawcett, Don W. (1994). A Textbook of Histology. New York – London: Chapman and Hall. Twelfth Edition
3. Gartner, Leslie P. (2006). Color Textbook of Histology. Philadelphia – London: Lippincott Williams&Wilkins A Wolters Kluwer Company. Fourth Edition.
4. Ross, Michael H. (2003). Histology A Textbook and Atlas. Philadelphia: Williams and Wilkins. Fourth Edition.
5. Junquera, Luis C. (2005). Basic Histology Text and Atlas. Philadelphia: McGraw-Hill Companies. Eleventh Edition.
6. Alberts, B. (2002). Molecular Biology of The Cell. New York: Garland Science. Fourth Edition.
7. Kierszenbaum Abraham L. (2006). Histoloji ve Hücre Biyolojisi: Patolojiye Giriş" (Histology and Cell Biology: An Introduction to Pathology), Palme Yayıncılık.
8. Ovalle William K. ,Nahirney Patrick C. , (2009) Netter Temel Histoloji (Netter's Essential Histology), Güne Tıp Kitabevleri

4. STATUS OF THE COURSE (COMPULSORY/ELECTIVE)

This course is a compulsory course

5. NAME OF THE TEACHING STAFF OF THE COURSE

Prof. Dr. Attila Da deviren, Dr. Nejmi Za yapan, Lect. Fatma Helvacio lu

6. THE PERIOD AND THE PLAN OF THE COURSE

The course consists of 6 hours of class lectures and 3 hours of laboratory practice.

TOPICS

Hours	Topics
1	Structure of the Cell: Composition
2	Structure and Function of Cellular Membrane Systems
3	Structure of the Cell: Organelles and Inclusions
4	Structure of the Cell: Nucleus
5	Cytoskeleton
6	Cell Cycle, Division and Death
7-9	Laboratory Practice: Cell and Histochemical Techniques

7. TEACHING AND LEARNING METHODS OF THE COURSE: Multimedia visual aid supported class lectures and light microscopic supervised self-examination of histological slides

8. Assessment: The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

9. LANGUAGE OF INSTRUCTION: Turkish

1. IDENTIFICATION OF THE COURSE : PHYSIOLOGY

2. **Description:** This course reviews basic themes and major mechanisms in cell physiology. After a brief overview of the course, we will examine a number of theoretical and substantive issues in the area of cellular physiology. We will then proceed to address distribution of water in the body fluid compartments, composition of the body fluid compartments, electroneutrality, composition of intracellular and extracellular fluid in the volume and composition of body fluids, transport mechanisms across the cell membrane, ion channels, equilibrium potentials, Nernst equation in the diffusion and equilibrium potentials, resting membrane potentials and action potentials. In addition the experimental study will reinforce theoretical knowledge by practical.

3. Level:

- a. **Prerequisite:** None
- b. **Objectives:** The first objective of the course is to familiarize students with the basic concepts and approaches in cell physiology. The second objective is to help students to understand experimental study in the light of the theoretical framework mentioned above. It is believed that this experience will be helpful for them during their career. The final exam will cover all topics.
- c. **Learning outcomes:** At the end of the course the learner is expected to be able to discuss the general principles of physiological control systems, body fluid composition, cell membrane transport and the related bioelectrical phenomena.
- d. **References:**

Textbooks

Cooper GM (2000) The Cell: A Molecular Approach, 2nd Ed. Sinauer Associates Inc. Sunderland USA.

Guyton, AC, Hall, JE (2006) Textbook of Medical Physiology, Pennsylvania:WB Saunders, Eleventh ed.

Ganong, WF (2003) Review of Medical Physiology, USA:Mc Graw Hill, Twentieth edition.

Berne, RM, Levy, MN (2004) Principles of Physiology, Missouri: Mosby, Inc. Fifth ed.

Vander, A, Sherman, J, Luciano, D (2001) Physiology-The Mechanisms of Body Function. New York: Von Hoffmann press, Eight edition.

Costanzo, LS (2002) Physiology, Pennsylvania: Saunders, Second Ed.

Sherwood, L (1995) Fundamentals of Physiology: A Human Perspective, 2nd Ed. West Publishing Co. USA.

Silverthorn, DU (2001) Human Physiology: An Integrated Approach, 2nd Ed. Prentice Hall Int. New Jersey, USA.

Levitan, IB, Kaczmarek, LK (1997) The Neuron: Cell and Molecular Biology, 2nd Ed. Oxford University Pres, NY, USA.

4. **Mandatory or optional course units:** It is a mandatory course.
5. **Teaching staff:** Prof. Dr. Nimet Ünay Gündo an, Assoc. Prof. Dr. Tu rul Cabio lu MD, Ph.D. Lect. Dr.Leyla Aydın, Lect. Dr. ebnem lhan
6. **Length and Period:** 13 hours; topics to be covered are shown below:

Hours	Topics
1, 2	INTRODUCTION TO PHYSIOLOGY, PHYSIOLOGIC CONTROL SYSTEMS
3, 4	PROPERTIES OF BODY FLUID COMPARTMENTS
5, 6	TRANSPORT ACROSS THE CELL MEMBRANES
7, 8, 9	BIOELECTRICAL POTENTIALS
10, 11, 12, 13	Laboratory: TRANSPORT ACROSS CELL MEMBRANES

7. **Teaching and learning methods:** The course will consist of lectures and laboratory applications.
8. **Assessment:** The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.
9. **The language:** The language of the course is Turkish.

1. Identification of the Course

English for Specific Purposes I for Faculty of Medicine

2. Course Description

The course is an EAP / ESP oriented English course which is designed to cater the needs of students who study at the Faculty of Medicine. The course mainly focuses on all four skills of language: reading, writing, listening and speaking. Lexical studies and grammar are also dealt with both for recognition and production purposes. Language and skills are not only improved but also practiced in an integrated manner. Skills are observed as receptive and productive. Productive skills such as writing in particular, emphasize conventions of academic writing through process approach. In addition, stylistics, mechanics, coherence and unity are emphasized. Speaking mainly focuses on classroom discussions, which encourage students to express themselves in different academic and professional contexts. Receptive skills of reading and listening both focus on reading / listening for main idea, specific information, note taking, deducing meaning from contextual clues, and transferring received information into visual representations such as charts, graphs, etc.

3. Level

a. Prerequisite

Intermediate level of English

b) Objective

To improve students' language competence by practicing basic language structures and functions. To enable students to build lexicon, which involves subject-specific and academic topics.

c) Intended Learning Outcomes

At the end of this course, the learner is expected to demonstrate detailed understanding of academic and professional contexts. He/ she is also expected to acquire writing and speaking skills to express himself / herself in different academic and professional contexts.

d) References

English for Medicine Booklet I, compiled by Curriculum Development Unit of English Language Department, 2008

4. Compulsory or Elective course

Is a compulsory course for students in the Faculty of Medicine.

5. Teaching Staff

Selde Erdem Çekiç, Ziya Aksoy

6. Length and Period

Is a two-semester course.

Committees	Contents
Committee I (12 hours)	Personality traits and other qualities required for the study of medicine and to become a good doctor. Illnesses, diseases and other health conditions. Academic reading and writing skills
Committee II (18 hours)	Syllabus of a medical school. Medical specialties and specialists. Reading strategies. Academic writing.
Committee III (15 hours)	The clinical spectrum. Reading strategies. Academic writing. Common diseases, illnesses and conditions
Committee IV (15 hours)	An epidemiological approach to medicine. Malnutrition Measuring things in medicine. Statistics
Committee V (12 hours)	Preventive medicine. Immunity and immunization. Academic reading and writing skills
Committee VI (6 hours)	Human anatomy. First aid in medical emergencies. Planning and outlining for presentation

7. Teaching and Learning Methods

The teaching method is eclectic and functional, including lectures, class discussions, reading and writing assignments.

8. Assessment

Student progress is assessed through written exams, one per committee and one final at the end of the academic year, each counting as 10% (10 points out of 100). Percentages are set by the Faculty term-coordinators, thus they may vary.

Course;	
Name	3 rd Committee: Cell metabolism I
Status	Compulsory
Credits	
ECTS credits	8,5
Responsibility	Prof. Dr. F. Belgin ATAÇ
Prerequisite	None
Period	6 weeks, 179 hours
Content	This course informed to students metabolism and hormones, structure and functions of genetic material and basics of human genetics
Objectives	Main objective of the course is in addition to general knowledge of metabolism and hormones, detailed carbohydrate metabolism, structure and functions of genetic materials, flow of genetic information, genetic control mechanisms, chromosome structure, Mendelian and non-Mendelian inheritance patterns
Teaching and learning methods	Theoretical, laboratory applications
Assessment	Theoretical (90%, including practice notes), Advanced English (10%)
Language	Turkish

BIOCHEMISTRY

1. Description: In this committee, the course deals with the basic principles of metabolism and to discuss the carbohydrate metabolism.

2. Level:

a. Prerequisite: None.

b. Objectives: To familiarize the major, universal metabolic pathways and to improve the metabolism concept considering their control and regulations.

c. References:

1. Voet D and Voet JG 2011, Fundamentals of Biochemistry. Fourth Edition, John Wiley and Sons, USA.
2. Nelson DL and Cox MM 2008, Lehninger Principles of Biochemistry. Fifth Edition, W.H. Freeman and Company, NY; USA.
3. Devlin TM 2011, Textbook of Biochemistry with Clinical Correlations. 7th Edition, Wiley-Liss, Inc., New York, USA.

3. The Status of the Course: It is a compulsory course.

4. Teaching Staff: Prof. Dr. E. Suna Türko lu, Prof. Dr. Derya Akaydın Aldemir
Dr. Tuba Çandar

5. Period and Plan of the Course: 45 hours (3h Lab). Topics to be covered are shown below:

Hour	Topic
1, 2	Introduction to metabolism
3 -6	General properties of hormones and their mechanisms of action
7-9	Glycolysis
10-13	Citric acid cycle
14-16	Lab: Analysis of enzyme activity (3h)
17-20	Electron transport
21-24	Oxidative phosphorylation
25, 26	Biological oxidations
27-30	Gluconeogenesis
31-34	Glycogen metabolism
35, 36	Regulation of glycogen metabolism
37	The pentose phosphate pathway
38, 39	Metabolism of hexoses other than glucose; Metabolism of disaccharides

40	Glucuronic acid pathway
41-43	Metabolisms of amino sugar and proteoglycans
44, 45	Metabolism of glycoproteins

- 6. Teaching and Learning Methods:** The course will consist of lectures, class discussions, and reading assignments.
- 7. Assessment:** The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.
- 8. The Language:** The language of the course is Turkish.

1. Identification: Name: Medical Biology

2. DESCRIPTION

This course reviews basic concepts of the structures and organizations of genomes and will understand, in outline, how the information contained in the genome is released and made available to the cell

3. LEVEL

a. Prerequisite: None

b. Objectives: The main objective of the course is to familiarize students with central dogma principal. Another objective is to teach the complexity of the human genome and the mechanism of genetic control.

c. Learning outcomes: We believe that this course will be helpful to give a brief overview on the basic concepts of molecular genetics for the students in earning to talent in interpreting, comparing, distinguishing for the underlying mechanisms of central dogma and genetic control.

d. References:

1. Cooper, Geoffrey M, The Cell - A Molecular Approach Sunderland (MA): Sinauer Associates, Inc.; c2000
2. Brown, T.A., Genomes, New York and London: Garland Science ; c2002
3. Strachan, Tom and Read, Andrew P., Human Molecular Genetics 2, New York and London: Garland Science; 2003
4. Alberts, Bruce; Johnson, Alexander; Lewis, Julian; Raff, Martin; Roberts, Keith; Walter, Peter Molecular Biology of the Cell, New York and London: Garland Science; c2002
5. Lodish, Harvey; Berk, Arnold; Zipursky, S. Lawrence; Matsudaira, Paul; Baltimore, David; Darnell, James E. Molecular Cell Biology, New York: W. H. Freeman & Co..2006

4. MANDATORY OR OPTIONAL COURSE

This course is a mandatory course.

5. TEACHING STAFF

Prof. Dr.F. Belgin Atac, Assoc. Prof. Dr. Erkan Yurtcu

6. LENGTH AND PERIOD

This course is a 29 hours course.

7. TOPICS

Hours	Topic
1-3	Cell cycle and regulation
4-6	The structure of DNA, RNA
7,8	Organization from DNA to chromosome
9,10	DNA replication
11-13	Organization of the human genome
14-17	Transcription and post-transcriptional modifications
18,19	Translation
20,21	Posttranslational modifications
22,23	Mitochondrial DNA replication, transcription and translation
24-27	Mechanism of genetic control
28,29	Regulatory RNA

8. TEACHING AND LEARNING METHODS

The course will consist of lectures, class discussions.

9. ASSESSMENT: The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

10. THE LANGUAGE

The language of the course is Turkish

BA KENT UNIVERSITY FACULTY OF MEDICINE

1. Identification: Medical Genetics

2. Description: After the completion of this lecture, students will have knowledge of basic human genetics, chromosome structure and abnormalities, Mendelian and non-mendelian inheritance of genetic diseases and population genetics.

3. Level:

a. **Prerequisite:** None

b. **Objectives:** To help the students understand the basic mechanisms of inheritance and basic principles of human genetics.

c. **Learning outcomes:** We believe that this lecture will be helpful to give a brief overview on the basic concepts of human genetics and medical genetics for the students in earning to talent in interpreting, comparing, distinguishing for the genetic mechanisms of disease.

d. References:

1. Ba aran N., 2000 “Tıbbi Genetik” Nobel Tıp Yayınevi.
2. Klug WS, Cummings MR., Çeviri editörü: Prof. Dr. Cihan Öner 2002 “Genetik Kavramlar. 6. baskıdan çeviri” Palme yayıncılık, Ankara.
3. Freshney RI., 2000 “Culture of Animal cells A manual of basic technique” 4th Ed. Wiley-Liss, NY
4. Gardner RJM., Sutherland GR., 2003 “Chromosome Abnormalities and Genetic counseling” 3rd.ed. Oxford University Press, NY. September
5. Strachan T., Read AP., 1999 “Human Molecular Genetics 2.” 2nd ed. Oxford, UK: BIOS Scientific Publishers Ltd.
6. Nussbaum RL, McInnes RR, Willard HF, Thompson MW (2007) Thompson & Thompson genetics in medicine, 7th Edition. Philadelphia: Saunders/Elsevier.
7. Miller OJ., Therman E., 2000 “Human Chromosomes”, 4th edition Springer Verlag.
8. Connor JM., et al 2001 “Emery and Rimoin’s Principles and Practices of Medical Genetics (3-Volume Set)” 4th edition W B Saunders.
9. Turnpenny P., Ellard S., 2007 “Emery’s Elements of Medical Genetics” 13th edition, Churchill Livingstone Elsevier.

4. Compulsory or optional course units: It is a compulsory course.

5. Teaching staff: Prof. Dr. Feride . ahin, Prof. Dr. Zerrin Yılmaz, Assist. Prof. Dr. Yunus Kasım Terzi

6. Length and period: 19 hours in this committee. Main topics are shown below:

Hours	Topics
1-2	Basic concepts in genetics
3	Methods used in human genetics like pedigree analyses, twin studies.
4-6	Single gene inheritance patterns: Autosomal dominant, recessive and sex-linked types.
7-8	Diseases with complex inheritance
9-11	Non- mendelian inheritance: Genomic imprinting, uniparental disomy, etc.
12-13	Mitochondrial inheritance
14-15	Population genetics
16-17	Chromosome structure and classification
18-19	Practical course: Peripheral blood culture and a sample kartotype construction

7. Teaching and learning methods: The course will consist of lectures, class discussions and practical courses.

8. Assessment: The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

9. The language: The language of the course is Turkish.

BIOSTATISTICS

1. DESCRIPTION

This course reviews basic concepts and nature of statistical problems.

2. LEVEL

e. Prerequisite: None

f. Objectives: The main objective of the course is to familiarize students with the basic concepts of statistical problems. Another objective is to help students to understand the medical sciences applications using statistical software SPSS.

g. Learning outcomes

- Detecting the suitable statistical analysis for research data.
- Application of the traditional statistical analysis techniques by SPSS software
- Interpretation of the statistical analysis results.

h. References:

1. Biometry: The Principles and Practice of Statistics in Biological Research, Sokal R. R., Rohlf F. J., 3 rd edition, W. H. Freeman & Co.
2. Bioistatistics, A Foundation For Analysis in the Health Sciences, Wayne W. D., John Wiley & Sons,Inc., 1995.
3. Biyoistatistik, Kesici, T., Kocaba , Z., Ankara Üniversitesi Eczacılık Fakültesi Yayınları, 1998.
4. Biyoistatistik. Sümbülo lu, K., Sümbülo lu, V.,Özdemir Yayıncılık, Ankara,1995.
5. Introduction to Mathematical Statistics, Hogg, R., Craig, A., Macmillan Publishing Co., Inc., Toronto, 1970.
6. İstatisti e giri , kız, F., Püskülcü, H., Eren, .,Ege Üniversitesi Basımevi, zmir, 1996.
7. İstatistik Metodları. Düzgüne ,O., Kesici,T., Gürbüz,F., A.Ü.Ziraat Fakültesi Yayınları, Ankara,1983.
8. Research Methods in Physical Activity,Thomas, J. R., Nelson, J.K.
9. Statistics for Experimenters, An Introduction to Design, Data Analysis, and Model Building, Box, E.P.G., Hunter, G.W., Hunter, J. S.,John Wiley & Sons,Inc., 1978.
10. Statistical Methods, Snedecor, G. W., Cochran,W. G., The Iowa State University Press, 1980.
11. Statistics with Applications to the Biological and Health Sciences, M. Anthony Schork, Richard D. Remington, Prentice Hall, 2000.

3. MANDATORY OR OPTIONAL COURSE

This course is a mandatory course.

4. TEACHING STAFF

Assoc. Prof. Dr. Ersin Ö ü , Assoc. Prof. Dr. A.Canan Yazıcı

5. LENGTH AND PERIOD

This course is a 20 hours course.

Topics

Hours	Topics
1,2	Introduction to statistics and biostatistics, definitions
3,4	Frequency distribution tables, graphics
5,6	Descriptive statistics, measures of central tendency
7,8	Measures of dispersion
9, 12	Regression and correlation analysis
13, 15	SPSS applications
16, 18	Probability and theoretical distributions, Binomial, Poisson and Normal distributions
19,20	SPSS applications

6. TEACHING AND LEARNING METHODS

The course will consist of lectures, class discussions, and computers applications.

7. ASSESSMENT

The coordination office through test examinations evaluates students.

8. THE LANGUAGE

The language of the course is Turkish

1. Identification of the Course

English for Specific Purposes I for Faculty of Medicine

2. Course Description

The course is an EAP / ESP oriented English course which is designed to cater the needs of students who study at the Faculty of Medicine. The course mainly focuses on all four skills of language: reading, writing, listening and speaking. Lexical studies and grammar are also dealt with both for recognition and production purposes. Language and skills are not only improved but also practiced in an integrated manner. Skills are observed as receptive and productive. Productive skills such as writing in particular, emphasize conventions of academic writing through process approach. In addition, stylistics, mechanics, coherence and unity are emphasized. Speaking mainly focuses on classroom discussions, which encourage students to express themselves in different academic and professional contexts. Receptive skills of reading and listening both focus on reading / listening for main idea, specific information, note taking, deducing meaning from contextual clues, and transferring received information into visual representations such as charts, graphs, etc.

3. Level

a. Prerequisite

Intermediate level of English

b) Objective

To improve students' language competence by practicing basic language structures and functions. To enable students to build lexicon, which involves subject-specific and academic topics.

c) Intended Learning Outcomes

At the end of this course, the learner is expected to demonstrate detailed understanding of academic and professional contexts. He/ she is also expected to acquire writing and speaking skills to express himself / herself in different academic and professional contexts.

d) References

English for Medicine Booklet I, compiled by Curriculum Development Unit of English Language Department, 2008

4. Compulsory or Elective course

Is a compulsory course for students in the Faculty of Medicine.

5. Teaching Staff

Ziya Aksoy, Selda Erdem

6. Length and Period

Is a two-semester course.

Committees	Contents
Committee I (12 hours)	Personality traits and other qualities required for the study of medicine and to become a good doctor. Illnesses, diseases and other health conditions. Academic reading and writing skills
Committee II (18 hours)	Syllabus of a medical school. Medical specialties and specialists. Reading strategies. Academic writing.
Committee III (15 hours)	The clinical spectrum. Reading strategies. Academic writing. Common diseases, illnesses and conditions
Committee IV (15 hours)	An epidemiological approach to medicine. Malnutrition Measuring things in medicine. Statistics
Committee V (12 hours)	Preventive medicine. Immunity and immunization. Academic reading and writing skills
Committee VI (6 hours)	Human anatomy. First aid in medical emergencies. Planning and outlining for presentation

7. Teaching and Learning Methods

The teaching method is eclectic and functional, including lectures, class discussions, reading and writing assignments.

8. Assessment

Student progress is assessed through written exams, one per committee and one final at the end of the academic year, each counting as 10% (10 points out of 100). Percentages are set by the Faculty term-coordinators, thus they may vary.

Course;	
Name	4 th Committee: Cell metabolism II
Status	Compulsory
Credits	
ECTS credits	8,5
Responsibility	Assoc. Prof. Dr. Müge EK C
Prerequisite	None
Period	5 weeks, 139 hours
Content	This course informed to students inspection of lipid and nucleotide metabolism, general microbiology and biostatistics methods
Objectives	The main objective of the course is to receive lipid and aminoacid metabolism and to importance of covalent modifications and proteolysis, general, molecular and metabolic features of microorganisms, rules of sterilization and disinfection and basic statistic concepts and computer applications
Teaching and learning methods	Theoretical, laboratory applications
Assessment	Theoretical (90%, including practice notes), Advanced English (10%)
Language	Turkish

BIOCHEMISTRY

1. Description: In this committee, the course deals with the lipid, amino acid and nucleotide metabolisms considering their integrations and to discuss the importance of covalent modifications and proteolysis

2. Level:

a. Prerequisite: None.

b. Objectives: To familiarize the other major metabolic pathways including their controls and regulations in molecular approach

c. Learning Outcomes: To understand the other metabolic pathways including their regulations and to familiarize the concept of covalent modifications and proteolysis.

d. References:

1. Voet D and Voet JG 2011, Fundamentals of Biochemistry. Fourth Edition, John Wiley and Sons, USA.
2. Nelson DL. and Cox, M.M.2008, Lehninger Principles of Biochemistry. Fifth Edition, W.H. Freeman and Company, NY; USA.
3. Devlin TM. 2011, Textbook of Biochemistry with Clinical Correlations. 7th Editions, Wiley-Liss, Inc., New York, USA.

3. The Status of the Course: It is a compulsory course.

4. Teaching Staff: Prof. Dr. E. Suna Türko lu, Prof. Dr. Derya Akaydın Aldemir

5. Period and Plan of the Course: 41 hours (6h Lab). Topics to be covered are shown below:

Hour	Topic
1, 2	Metabolism of lipids: Fatty acids oxidation
3	Ketogenesis
4-6	Biosynthesis of fatty acids
7-10	Metabolisms of triacylglycerol, phospholipid and glycolipid
11-14	Steroids, isoprenoids ve eicosanoids
15, 16	Metabolism of lipoproteins
17-22	Metabolism of amino acids
23, 24	Specific molecules derived from amino acids
25-27	Lab: Determination of ALT-AST activities (3h)
28-31	Metabolism of heme
32-34	Metabolism of nucleotides
35-37	Lab: Urea determination in biological samples (3h)
38, 39	Posttranslational modifications
40, 41	Proteolysis and Protein turnover

- 6. Teaching and Learning Methods:** The course will consist of lectures, class discussions, and reading assignments.
- 7. ASSESSMENT:**
The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.
- 8. The Language:** The language of the course is Turkish.

MICROBIOLOGY

1. IDENTIFICATION:

2. **DESCRIPTION:** This course reviews basic principles of microbiology. General morphology of bacteria, viruses, parasites, fungi are different from each other. Also metabolic functions, genetic properties varied. To understand infection disease and how microorganism make sick, firstly microorganisms must be understood. Also historical evolution of microbiology and basic principles of sterilization, disinfection and antisepsis will be given in this course. General principles of microbiological laboratory diagnosis will be practiced with experimental study to reinforce theoretical knowledge

3. LEVEL:

- a. **Prerequisite:** None
- b. **Objectives:** The aim of this course to inform students about basic molecular structure and metabolic functions of microorganisms. Understanding principles of sterilization, disinfection and antisepsis will help to protect themselves and surroundings. Practical exercises will be expert students in microbiological laboratory diagnoses.
- c. **Learning outcomes:** Students will learn general properties of microorganisms
- d. **References**

Textbooks

Brooks GF, Butel JS, Morse SA (2008) “Jawetz, Melnick, & Adelberg’s Medical Microbiology”, Twenty-fourth edition, McGraw-Hill Companies inc., USA

Murray PR, Rosenthal KS, Kobayashi GS, Pfaller MA (2002) “Medical Microbiology”, Fourth edition, Mosby Inc, Missouri USA

Topçu AW, Söyletir G, Do anay M (2002) “ nfeksiyon Hastalıkları ve Mikrobiyolojisi” Cilt1-2, Nobel Matbaacılık. Türkiye.,

Murray PR, Baron EJ, Pfaller MA Tenover FC, Yolk RH (2008) “Manual of Clinical Microbiology”, 9.th edition, ASM Pres, Washington, USA

Supplementary Reading List

<http://www.med.sc.edu:85/book/welcome.htm>

<http://gsbs.utmb.edu/microbook/toc.htm>

<http://www.textbookofbacteriology.net/>

4. COMPULSORY OR ELECTIVEL COURSE

This course is a compulsory course

5. TEACHING STAFF

Julide Sedef Göçmen (Prof. MD)

Müge Demirbilek (Assoc. Prof. MD)

Ebru Evren, Lecturer, MD,

6. LENGTH AND PERIOD

This course consists of 35 hours. Topics to be covered are as shown below;

Hours	Topics
1, 2	Introduction to microbiology and microscopy
3,4,5,6	General characteristics of bacteria, metabolism, and various types of bacteria
7,8	Bacterial genetics
9,10	antibacterial drugs, the mechanisms of action, mechanisms of resistance
11,12	General properties of viruses, replication
13	antiviral drugs, the mechanisms of action
14,15	General properties of fungi, anti fungal drugs , the mechanism of action anti fungal drugs
16, 17	General characteristics of the parasites, antiparasitic drugs, the mechanism of action of antiparasitic drugs
18,19	sterilization and disinfection methods
20,21	the host- microorganism relationship, the normal flora
22, 23	Laboratory: principles and rules of microbiology laboratory and microscopes
24, 25, 26	Laboratory: Bacteriologic staining techniques I
27,28, 29	Laboratory: Bacteriologic staining techniques II
30, 31,32	Laboratory: methods of bacteriological culture and antibiotic sensitivity tests
33, 34,35	Laboratory: The general structure of fungi and parasites, sterilization and disinfection

7. TEACHING AND LEARNING METHODS

The course will consist of lectures; laboratory courses and class discussions.

8. ASSESMENT

The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

9. LANGUAGE: The language of course is Turkish.

BIOSTATISTICS

1. DESCRIPTION

This course reviews basic concepts and nature of statistical problems.

2. LEVEL

a. Prerequisite: None

b. Objectives: The main objective of the course is to familiarize students with the basic concepts of statistical problems. Another objective is to help students to understand the medical sciences applications using statistical software SPSS.

c. LEARNING OUTCOMES:

- Detecting the suitable statistical analysis for research data.
- Application of the traditional statistical analysis techniques by SPSS software
- Interpretation of the statistical analysis results.

d. References:

1. Biometry: The Principles and Practice of Statistics in Biological Research, Sokal R. R., Rohlf F. J., 3 rd edition, W. H. Freeman & Co.
2. Biostatistics, A Foundation For Analysis in the Health Sciences, Wayne W. D., John Wiley & Sons, Inc., 1995.
3. Biyoistatistik, Kesici, T., Kocaba , Z., Ankara Üniversitesi Eczacılık Fakültesi Yayınları, 1998.
4. Biyoistatistik. Sümbülo lu, K., Sümbülo lu, V., Özdemir Yayıncılık, Ankara, 1995.
5. Introduction to Mathematical Statistics, Hogg, R., Craig, A., Macmillan Publishing Co., Inc., Toronto, 1970.
6. İstatisti e giri , Kiz, F., Püskülcü, H., Eren, ..Ege Üniversitesi Basımevi, İzmir, 1996.
7. İstatistik Metodları. Düzgüne ,O., Kesici,T., Gürbüz,F., A.Ü.Ziraat Fakültesi Yayınları, Ankara, 1983.
8. Research Methods in Physical Activity, Thomas, J. R., Nelson, J.K.
9. Statistics for Experimenters, An Introduction to Design, Data Analysis, and Model Building, Box, E.P.G., Hunter, G.W., Hunter, J. S., John Wiley & Sons, Inc., 1978.
10. Statistical Methods, Snedecor, G. W., Cochran, W. G., The Iowa State University Press, 1980.
11. Statistics with Applications to the Biological and Health Sciences, M. Anthony Schork, Richard D. Remington, Prentice Hall, 2000.

3. MANDATORY OR OPTIONAL COURSE

This course is a mandatory course.

4. TEACHING STAFF

Assoc. Prof. Dr. Ersin Ö ü , Assoc. Prof Dr. A.Canan Yazıcı

5. LENGTH AND PERIOD

This course is a 14 hours course.

Topics

Hours	Topics
1	One sample tests, Z test, t test
2, 3	Tests for two independent samples,
4, 5	Test for two dependent (paired t- test) samples
6, 8	SPSS applications
9	Hypothesis control for correlation coefficient
10, 11	Hypothesis testing for proportions
12, 14	One way analysis of variance

6. TEACHING AND LEARNING METHODS

The course will consist of lectures, class discussions, and computers applications.

7. ASSESSMENT

The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

8. THE LANGUAGE

The language of the course is Turkish.

1. Identification of the Course

English for Specific Purposes I for Faculty of Medicine

2. Course Description

The course is an EAP / ESP oriented English course which is designed to cater the needs of students who study at the Faculty of Medicine. The course mainly focuses on all four skills of language: reading, writing, listening and speaking. Lexical studies and grammar are also dealt with both for recognition and production purposes. Language and skills are not only improved but also practiced in an integrated manner. Skills are observed as receptive and productive. Productive skills such as writing in particular, emphasize conventions of academic writing through process approach. In addition, stylistics, mechanics, coherence and unity are emphasized. Speaking mainly focuses on classroom discussions, which encourage students to express themselves in different academic and professional contexts. Receptive skills of reading and listening both focus on reading / listening for main idea, specific information, note taking, deducing meaning from contextual clues, and transferring received information into visual representations such as charts, graphs, etc.

3. Level

a. Prerequisite

Intermediate level of English

b) Objective

To improve students' language competence by practicing basic language structures and functions. To enable students to build lexicon, which involves subject-specific and academic topics.

c) Intended Learning Outcomes

At the end of this course, the learner is expected to demonstrate detailed understanding of academic and professional contexts. He/ she is also expected to acquire writing and speaking skills to express himself / herself in different academic and professional contexts.

d) References

English for Medicine Booklet I, compiled by Curriculum Development Unit of English Language Department, 2008

4. Compulsory or Elective course

Is a compulsory course for students in the Faculty of Medicine.

5. Teaching Staff

Ziya Aksoy, Selda Erdem

6. Length and Period

Is a two-semester course.

<u>Committees</u>	<u>Contents</u>
Committee I (12 hours)	Personality traits and other qualities required for the study of medicine and to become a good doctor. Illnesses, diseases and other health conditions. Academic reading and writing skills
Committee II (18 hours)	Syllabus of a medical school. Medical specialties and specialists. Reading strategies. Academic writing.
Committee III (15 hours)	The clinical spectrum. Reading strategies. Academic writing. Common diseases, illnesses and conditions
Committee IV (15 hours)	An epidemiological approach to medicine. Malnutrition Measuring things in medicine. Statistics
Committee V (12 hours)	Preventive medicine. Immunity and immunization. Academic reading and writing skills
Committee VI (6 hours)	Human anatomy. First aid in medical emergencies. Planning and outlining for presentation

7. Teaching and Learning Methods

The teaching method is eclectic and functional, including lectures, class discussions, reading and writing assignments.

8. Assessment

Student progress is assessed through written exams, one per committee and one final at the end of the academic year, each counting as 10% (10 points out of 100). Percentages are set by the Faculty term-coordinators, thus they may vary.

Course;	
Name	5 th Committee: Growth, development and cellular pathology
Status	Compulsory
Credits	
ECTS credits	5,5
Responsibility	Assoc. Prof. Dr. Zerrin YILMAZ ÇEL K
Prerequisite	None
Period	4 weeks, 108 hours
Content	This course informed to students development and growth processes of cell, defects appearances in these processes and cellular response of these defects
Objectives	The main objective of the course is to introduce students general embryology knowledge, understanding organs and systems development, informing important histological terms imported in clinical applications, cellular genomes defects, cellular response of these defects, laboratory screening methods of these defects, introduction of current technological research approaches, chromosomal abnormalities and related diseases and basic principles of new application areas in human genetics
Teaching and learning methods	Theoretical
Assessment	Theoretical, Advanced English (10%)
Language	Turkish

1. Identification: Name: Medical Biology

2. DESCRIPTION

This course reviews mutations of eucaryotic genomes, controls of genetic information flow and cell cycle regulation, structure and functions of important molecules have role this processes, stem cells and stem cell based therapies, recombinant DNA technologies, basic molecular methods and nanomedicine

3. LEVEL

a. Prerequisite: None

b. Objectives: The main objective of the course is to introduce students mutations of cellular genomes, responses of cells against to these mutations, mutations screening methods and current technological approaches

c. Learning outcomes: We believe that this course will be helpful to give a brief overview on the mutations of the genome, molecules playing role on flow of genetic information, stem cell therapies, and recombinant DNA technology, nanomedicine in interpreting, comparing, distinguishing for the underlying mechanisms

d. References:

1. Cooper, Geoffrey M, The Cell - A Molecular Approach Sunderland (MA): Sinauer Associates, Inc.; c2000
2. Brown, T.A., Genomes, New York and London: Garland Science ; c2002
3. Strachan, Tom and Read, Andrew P., 3 Human Molecular Genetics 2, New York and London: Garland Science; 2003
4. Alberts, Bruce; Johnson, Alexander; Lewis, Julian; Raff, Martin; Roberts, Keith; Walter, Peter Molecular Biology of the Cell, New York and London: Garland Science; c2002
5. Lodish, Harvey; Berk, Arnold; Zipursky, S. Lawrence; Matsudaira, Paul; Baltimore, David; Darnell, James E. Molecular Cell Biology, New York: W. H. Freeman & Co..2006

4. MANDATORY OR OPTIONAL COURSE

This is a mandatory course.

5. TEACHING STAFF

Prof. Dr.F. Belgin Atac, Assoc. Prof. Dr. Erkan Yurtcu

6. LENGTH AND PERIOD

This is a 28 hours course.

7. TOPICS

Hours	Topic
1	Meiosis
2	Gametogenesis and fertilization
3	Recombination
4-7	Molecular mechanisms of mutations
8,9	DNA repair mechanisms
10,11	Ubiquitin proteasome pathway and diseases
12,13	Apoptosis, autophagy and necrosis
14-16	Molecular biological methods
17-19	Recombinant DNA technology
20,21	Cloning and Human Genome project
22,23	Human disease genes
24-26	Stem cells
27,28	Nanotechnology and nanomedicine

8. TEACHING AND LEARNING METHODS

The course will consist of lectures, class discussions.

9. ASSESSMENT

The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

10. THE LANGUAGE

The language of the course is Turkish

1. IDENTIFICATION OF THE COURSE : HISTOLOGY AND EMBRYOLOGY

2. **COURSE DESCRIPTION:** Covers General Embryology topics. During the course, history of embryology, terms used in embryology, gametogenesis, beginning of human development, formation of bilaminar germ disc, chorionic sac, germ layers, early differentiation of organs and organogenesis, fetal period, fetal membranes and placenta, congenital birth defects are introduced.

3. LEVEL OF THE COURSE

a. **Prerequisites of the course:** None

b. **Objectives of the course:** Teaching the general embryology topics which is the basic component of embryology to understand the development of organs and systems and giving information on the concepts that will be critical during clinical practice

c. **Learning outcomes of the course:**

- 1) Be able to recognize the distinctions and importance of stages of embryonic development
- 2) Be able to use embryological terms appropriately
- 3) Be able to analyse the periods when the embryo is most susceptible to environmental factors with their causes, and expect their results

d. **References of the course:**

1. Moore, Keith L. (1998). The Developing Human. Philadelphia – London: Saunders Company, Sixth Edition
2. Sadler, T.W. (2004) Langman's Medical Embryology. Baltimore – Maryland : Lippincott Williams&Wilkins. Ninth Edition

4. STATUS OF THE COURSE (COMPULSORY/ELECTIVE)

This course is a compulsory course

5. NAME OF THE TEACHING STAFF OF THE COURSE

Prof. Dr. Attila Da deviren, Dr. Nejmi Za yapan, Ö r. Gör. Dr. Fatma Helvacio lu

6. THE PERIOD AND THE PLAN OF THE COURSE

The course is a 18 hours course.

TOPICS

Hours	Topics
1	History of Embryology and Embryological Terms
2	Gametogenesis
3-4	Fertilization
5-6	Development of Human Body: 1st week
7-8	Development of Human Body: 2nd week
9-10	Formation of Germ layers
11-12	Development of Human Body: 3rd week
13-14	Organogenesis and Fetal Period

15-16	Placenta ve Fetal Membranes
17-18	Congenital Birth Defects

- 7. TEACHING AND LEARNING METHODS OF THE COURSE:** Multimedia visual aid supported class lectures, practical training using embryo models of different stages
- 8. ASSESSMENT METHOD AND THE GRADING OF THE COURSE:** The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.
- 9. LANGUAGE OF INSTRUCTION:** Turkish

1. Identification: Medical Genetics

2. Description: After the completion of this lecture, students will have knowledge of basic human chromosome abnormalities and chromosomal diseases. In addition to the lecture including current developments of genetic science as gene therapy, pharmacogenetics and developmental genetics.

3. Level:

a. **Prerequisite:** None

b. **Objectives:** To help the students understand the basic genetic mechanisms of disease and basic principles of human medical genetics.

c. **Learning outcomes:** We believe that this lecture will be helpful to give a brief overview on the basic concepts of current genetics for the students in earning to talent in interpreting, comparing, distinguishing for the genetic mechanisms of disease and genetic counseling.

d. References:

1. Ba aran N., 2000 “Tıbbi Genetik” Nobel Tıp Yayınevi.
2. Klug WS, Cummings MR., Çeviri editörü: Prof. Dr. Cihan Öner, 2002 “Genetik Kavramlar. 6. baskıdan çeviri” Palme yayıncılık, Ankara.
3. Freshney RI., 2000 “Culture of Animal cells A manual of basic technique” 4th Ed. Wiley-Liss,NY
4. Gardner RJM., Sutherland GR., 2003, “Chromosome Abnormalities and Genetic counseling” 3rd. ed. Oxford University Press, NY. September
5. Strachan T.,Read AP., 1999 “Human Molecular Genetics 2.” 2nd ed. Oxford, UK: BIOS Scientific Publishers Ltd.
6. Nussbaum RL, McInnes RR, Willard HF, Thompson MW (2007) Thompson & Thompson genetics in medicine, 7th Edition. Philadelphia: Saunders/Elsevier.
7. Miller OJ., Therman E., 2000 “Human Chromosomes”, 4th edition Springer Verlag.
8. Rimon,DL.,Connor JM., Pyeritz RE., Korf BR. 2002 “Emery and Rimoin’s Principles and Practices of Medical Genetics (3-Volume Set)” 5th edition Churchill Livingstone Elsevier, Philadelphia.
9. Turnpenny P., Ellard S., 2007 “Emery’s Elements of Medical Genetics” 13th edition, Churchill Livingston Elsevier.

4. Compulsory or electively course units: It is a compulsory course.

5. Teaching staff: Prof. Dr. Feride . ahin, Prof. Dr. Zerrin Yılmaz, Assist Prof. Dr. Yunus Kasım Terzi

6. Length and period: 18 hours in this committee. Main topics are shown below:

Hours	Topics
1-3	Numerical and structural chromosome abnormalities
4-5	Diseases as a result of autosomal chromosome abnormalities
6-7	Diseases as a result of gonosomal chromosome abnormalities
8-9	Genetic counseling and prenatal diagnosis
10-11	Developmental genetics
12-13	Map of genes and Linkage analysis
14-16	Gene therapy
17-18	Pharmacogenetics

7. Teaching and learning methods: The course will consist of lectures, class discussions and practical courses.

8. Assessment: The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

9. The language: The language of the course is Turkish.

10. ECTS credit allocation

1. NAME OF THE COURSE:

BASIC FIRST AID COURSE

2. OVERVIEW:

This course includes theoretical information on the key skills to preserve life, prevent further harm and promote recovery in case of an injury or a life threatening event. This course gains students the skills of first aid application in different types of injury.

3. LEVEL OF THE COURSE

a. Prerequisites of the Course:

none

b. Objectives of the Course:

The objective of this course is to enable the students to perform the essential skills of first aid in injuries without harm the victim. The goals of the course are:

- Being able to define and recognize the injury definition and classification
- Being able to explain step by step what to do in the event scene
- Being able to check the victim and make the primary and secondary evaluation
- Being able in adult, children and infant first aid steps
- Being able to recognize the vital signs
- Being able to perform first aid in respiratory tract obstructions
- Being able to perm correctly first aid for bleeding
- Being able to recognize and perform the shock and coma positions
- Being able to perform first aid for different types of poisoning
- Being able to perform first aid for different in animal and insect bites and stings
- Being able to stable the fracture , dislocation and sprains
- Being able to perform first aid for burn and freezing
- Being able to explain and perform the essentials of "victim moving"

c. Learning outcomes :

- Being able to check event scene and the victim in case of an injury.
- Having the characteristics of a good citizen who has the key skills of first aid as orientation, information and practice.

d. References of the Course:

1. First Aid Skills, Ba kent university, Commission, Ankara, 2005
2. First aid in Trauma. Gökhan Moray, Nevzat Bilgin, Haberal Education Foundation,
3. Practical First aid. Dr. Ruhi Selçuk Tabak, Palme Publications, 2003
4. Emergency Room and Academic Emergency Medicine. Dokuz Eylül University, 2002

e. COURSE PROFESSORS:

Dr. Cihangir Özcan (Assistant professor)
Dr. Altu KUT (Associate professor)
Dr. Betül Özen (Lecturer)

f. THE STATUS OF THE COURSE (COMPULSORY / ELECT VE)

Compulsory

g. LENGTH AND PERIOD

This course constitutes of 18 hours and take place in 5th committee (“Growth, development and cellular pathology”) of the first year of the school of medicine. The main topics are:

- Injuries (1 hour)
- Checking the event scene and the victim (1 hour)
- Basic Life support (4 hours)
- Sprains, Fractures and dislocations (2 hours)
- Burns(2 hours)
- Poisoning (1 hour)
- Animal bites (1 hour)
- Stroke (1 hour)
- Moving techniques(2 hours)
- Airway obstructions (2 hours)
- Bleeding and injury (1 hour)

h. TEACHING AND LEARNING METHODS

Class teaching, practice using non medical tools, simulation models and small rough models will be used as teaching and learning methods. Simulated cases will be discussed with students in the class room using role play technique.

i. ASSESSMENT

Class and practice participation is a vital component of this course. Students are expected to attend classes regularly. Each student will be evaluated according to

his/her performance during class discussions, simulated first aid practice and final examination.

j. LANGUAGE:

Course language is Turkish

1. Identification of the Course

English for Specific Purposes I for Faculty of Medicine

2. Course Description

The course is an EAP / ESP oriented English course which is designed to cater the needs of students who study at the Faculty of Medicine. The course mainly focuses on all four skills of language: reading, writing, listening and speaking. Lexical studies and grammar are also dealt with both for recognition and production purposes. Language and skills are not only improved but also practiced in an integrated manner. Skills are observed as receptive and productive. Productive skills such as writing in particular, emphasize conventions of academic writing through process approach. In addition, stylistics, mechanics, coherence and unity are emphasized. Speaking mainly focuses on classroom discussions, which encourage students to express themselves in different academic and professional contexts. Receptive skills of reading and listening both focus on reading / listening for main idea, specific information, note taking, deducing meaning from contextual clues, and transferring received information into visual representations such as charts, graphs, etc.

3. Level

a. Prerequisite

Intermediate level of English

b) Objective

To improve students' language competence by practicing basic language structures and functions. To enable students to build lexicon, which involves subject-specific and academic topics.

c) Intended Learning Outcomes

At the end of this course, the learner is expected to demonstrate detailed understanding of academic and professional contexts. He/ she is also expected to acquire writing and speaking skills to express himself / herself in different academic and professional contexts.

d) References

English for Medicine Booklet I, compiled by Curriculum Development Unit of English Language Department, 2008

4. Compulsory or Elective course

Is a compulsory course for students in the Faculty of Medicine.

5. Teaching Staff

Ziya Aksoy, Selda Erdem

6. Length and Period

Is a two-semester course.

Committees	Contents
Committee I (12 hours)	Personality traits and other qualities required for the study of medicine and to become a good doctor. Illnesses, diseases and other health conditions. Academic reading and writing skills
Committee II (18 hours)	Syllabus of a medical school. Medical specialties and specialists. Reading strategies. Academic writing.
Committee III (15 hours)	The clinical spectrum. Reading strategies. Academic writing. Common diseases, illnesses and conditions
Committee IV (15 hours)	An epidemiological approach to medicine. Malnutrition Measuring things in medicine. Statistics
Committee V (12 hours)	Preventive medicine. Immunity and immunization. Academic reading and writing skills
Committee VI (6 hours)	Human anatomy. First aid in medical emergencies. Planning and outlining for presentation

7. Teaching and Learning Methods

The teaching method is eclectic and functional, including lectures, class discussions, reading and writing assignments.

8. Assessment

Student progress is assessed through written exams, one per committee and one final at the end of the academic year, each counting as 10% (10 points out of 100). Percentages are set by the Faculty term-coordinators, thus they may vary.

Course;	
Name	6 th committee; human and medicine
Status	Compulsory
Credits	
ECTS credits	7.5
Responsibility	Prof. Dr. Can Pelin
Prerequisite	None
Period	5 weeks, 112 hours
Content	This course informed to students social dimensions of medicine, public health, social and preventive medicine applications, medical psychology, medical sociology, additionally basic first aid course and introduction to anatomy
Objectives	The main objective of the course is to introduce students general public health perspectives, basic concepts of social and preventive medicine, explicate the health via different view point, research methods in psychology, presentation of bio-psycho-social model, application of basic steps in first aid additionally basic anatomic terminology and anatomic reference points
Teaching and learning methods	Theoretical
Assessment	Theoretical, Advanced English (10%)
Language	Turkish

1. Identification : Medical Sociology

2. Description : This course offers students an opportunity to acquire and critically assess the psychosocial issues which are fundamental to the health of individuals as well as society.

3. Level :

a. Prerequisite : Non

b. Objectives : The course aims,

- to familiarize students with the basic concepts and principles of social sciences in relation with the medical issues,
- to assist students to improve their ability of sociological analyses of health care and health care policy issues of current concern in Turkey and other countries,
- to assist students to achieve a command of fundamental researches in the medical areas.

c. Learning outcomes : At the end of the course students are expected to master the concepts and issues of the social facts of the society, and to be able to interpret the social, economic, cultural and psychological aspects of health and diseases.

d. References :

Balta , Z. **Sa ğlık Psikolojisi.** stanbul, Remzi Kitapevi. 2000.

Emiro lu, V. “Sosyal Antropoloji’nin Mesleki Uygulamalardaki Yeri ve Önemi”. **H.Ü. Sosyal Hizmetler Y.O. Dergisi.** H.Ü. Ankara, Basım Evi.. 1983.

Emiro lu, V. “Kültür – Ki ilik li kisinde Antropolojik Yakla ımlar”. **Antropoloji.** Ankara., Ankara Üniversitesi Basım Evi 1981.

Emiro lu, Vedia, “ Tıbbi Antropoloji ve Halk Sa ğlığı ı”, **Sa ğlık ve Toplum Dergisi,** Ankara, Yıl 8, Sayı 1, 1998

Gordon, T. & Edwards W.S. **Doktor – Hasta birli i.** Çev. E.Aksay. stanbul, Sistem Yayıncılık, 1995.

Güleç, C. **Kültür ve Psikiyatri Yazıları.** Ankara, Medico Graphic Matbaası.. 2002.

Haviland, William A., **Kültürel Antropoloji,** Çeviren: Hüsamettin naç, Seda Çiftçi, stanbul, Kaknüs Yayınları, 2002

Ka ıtçıba ı, Çi dem, **Kültürel Psikoloji,** stanbul, Evrim Yayınevi ve Tic.Ltd.Sti., 2000

Karasar, Niyazi, **Bilimsel Ara ırma Yöntemi,** Ankara, Nobel Yayın Da ıtım, 2003

Kasapo lu, M. Aytül, **Sa ğlık Sosyolojisi.** Ankara, Sosyoloji Yayınevi. 1999.

Macionis, John J., Ken Plumber, **Sociology: A Global Introduction,** Harlow-England, Pearson Education Ltd., 2008

Taylor, S.E. **Health Psychology**. New York, Random House.. 1986.

Yakut, nci, **Sa lık leti iminde Katılımın İlevi**, zmit-Kocaeli, Umuttepe Yayınları, 2008

Yıldırım, Ali, Hasan İm ek, **Sosyal Bilimlerde Nitel Ara tırma Yöntemleri**, Ankara, Seçkin Yayıncılık San. Ve Tic. A. ., 2000

4. Mandatory or optional course units : It is a mandatory course.

5. Teaching staff : Prof. Dr. İl Bulut, Assoc. Prof. Dr. Ertan Kahramanoğlu.

6. Length and Period : 20 hours; topics to be covered are shown below.

Hours	Topics
1, 2	Social Sciences and Health
3, 4	Basic Concepts of Medical Sociology
5, 6	Relationship between the medical sociology, medical psychology, medical anthropology and health.
7, 8	Social welfare, health care and other human services.
9, 10	Health personnels and patients.
11, 12	Social diseases and community.
13, 14	Ssocial indicators of health and diseases.
15, 16	Health and social security systems.
17, 18	Health care professionals and team work.
19, 20	Health and qualitative and quantitative researches.

7. Teaching and learning methods : This course consists of lectures, class discussions, written and reading assignments.

8. Assessment : The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

9. The language : The language of the course is Turkish

1. IDENTIFICATION OF THE COURSE

Medical Psychology

2. Course Description

Psychology is both a science and an area of application. As a science it investigates the behavior (cognitive, emotional and motor) of human beings (or behavior of animals in order to understand the behavior of humans). As an area of application, it investigates how these behaviors can be changed in the direction of human health, happiness and productivity. Introduction to Psychology course for medical students consists of brief introductions to the different areas of psychological research and applications.

3. Level of the Course

a. Prerequisites of the Course:

To be a student in the Faculty of Medicine

Objectives of the Course:

Medical doctors work with human beings, patients they try to treat, their families, the other health staff, etc. Therefore, it is imperative that they know the why's and how's of human behavior. Another professional responsibility they have is to understand their own behavior and be in a state of continuous personal development. Introduction to Psychology Course, aims to open the avenues to both of these responsibilities. In addition, the accumulating research on the interactive relationship between mind and body indicate the importance of psychological variables during medical treatment. Due to the above arguments, the aim of this course is to introduce the medical students to the research methods of psychology so that they can be wise consumers of information produced in the related areas; to help them be aware of the variables (sensation, perception, thinking, memory, learning, language, intelligence, etc.) personality, involved in the body-mind relationship; and prepare them to a basic understanding for the bio-psycho-social model.

Learning outcomes: The students who take this course are expected to be able to use the information shared, all through their personal and professional lives, provided that they are interested enough to accumulate more of the introductory material. They are also expected to broaden their perspective regarding human health and pathology, and be more inclined toward the more contemporary, bio-psycho-social model in medicine.

References of the Course:

King, Laura, A. (2008). The Science of Psychology: An Appreciative View, McGrawHill, Boston

4. The Status of the Course (Compulsory / Elective)

Compulsory

5. Name of the Teaching Staff of the Course

Nesrin Hisli ahin, Ph.D (Prof.)

6. The Period and the Plan of the Course

This is a 24 hour course. The topics to be covered as follows.

Course	Topic
1	Introduction to psychology, its nature and research methods
2	Developmental psychology
3	Personality theories
4	Perception
5	Learning
6	Memory
7	Intelligence
8	Stress, coping and the body
9	Stress, coping and the mind
10	Psychopathology
11	Social behavior
12	Human communication

7. Teaching and Learning Methods of the Course

Lecture and discussion

Assessment Methods and Grading of the Course

The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

1. The Language of Instruction

Turkish.

IDENTIFICATION OF THE COURSE:

Social and Preventive medicine

2. Description

This course introduces students to Public Health issues. It provides students with a broad overview of some of the main philosophy and philosophical theories and ideas that are used as a basis for resolving debates of public health in the country and in the world. The course uses participatory learning methods to teach the principles and concepts of Public Health, ranging from principals of preventive medicine to International health to health policy and the health status of Turkey with comparison of different countries' health status to aspects of reproductive health that are addressed by health services like maternal morbidity and mortality, and family planning. It also provides the principles of community-based child health programs such as immunization and treatment of diarrheal diseases as well as the assessment of physical growth, development and maturation that are the basis for monitoring the health of populations of mothers and children from conception through adolescence. Following this course, the student will be familiar with the basic issues of public health relevant to their studies, and should be able to apply those principles to address public health problems in the community.

It will use class discussions focusing on important health issues- such as health education, and measurement of health status, to give students a sense of the environmental, social, and behavioral complexities affecting the health of populations.

3. LEVEL OF THE COURSE

a. Prerequisites of the Course:

none

b. Objectives of the Course:

Following this course, the student will be familiar with the basic issues of public health relevant to their studies, and should be able to apply those principles to address public health problems in the community.

c. Learning Outcomes :

- To become able to determine important community health problems
- To be able to think on and offer suggestion on community health problems

d. References of the Course:

1. Halk Sa Ğ lı ı Temel Bilgiler. Ğ a atay Gler, Levent Akın.2006, Hacettepe niversitesi Yayınları, Ankara
2. Norton R.A, Hyder A, Gururaj G. International Public Health, Second Edition, Jones and Bartlett Publishers, London ,2006
3. International Encyclopedia of Public Health. Elsevier Inc, 2008_Oxford Textbook of Public Health, 4th Edition, 2

4. Compulsory or optional course units:

It is a compulsory course

5. Teaching staff:

Prof. Dr. Ay e Akın

Prof. Dr. Rengin Erdal

Assist. Prof. Dr. Cihangir zcan,

Assist. Prof. Dr. Elif Durukan

Dr. Nihal Bilgili Aykut

Dr. Sare Mihćiokur

6. LENGTH AND PERIOD

This course consists of 21 hours lectures in the first committee of 1st year , Faculty of Medicine. Topics to be covered are as follows:

- Disease concept and importance
- Principles of Health care services
- Health organization in Turkey
- Nutrition and problems
- Child health and problems
- Women's health and problems
- Gender
- Environ-health relation
- Global environmental health problems
- Tobacco and health
- Priority groups in health

- Globalization and health
- International health organizations

7. **TEACHING AND LEARNING METHODS**

Class discussions, small group studies and case studies

8. **ASSESSMENT**

The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

8. **LANGUAGE:**

The language of the course is Turkish.

1. **Identification** (Name of the Course): Introduction to Anatomy (Medicine and Human)
2. **Description:** In this course after the basic knowledge on bone and muscular tissue had been given detailed information about bone and joint types are thought. Later superficial anatomy of human body and anatomical landmarks has been evaluated. In addition a brief knowledge on the history of anatomy is given.
3. **Level**
 - a. **Prerequisite:** None
 - b. **Objectives:** To familiarize the students with the anatomical terminology and to create a base for the systematic anatomy lessons in the second term of the faculty by giving detailed information on the fine structure of bone and muscle tissues, on the types of bones and joints, and the anatomical landmarks of the human body
 - c. **Learning outcomes:** At the end of this course students are expected to be familiarize with the general knowledge on bones and joints and with the anatomical landmarks as well in order to create a base for the systematic anatomy lessons and to discuss on the history of anatomy.
 - d. **References**

Textbooks

- Taner D (2000) Fonksiyonel Anatomi: Ekstremiteler ve Sırt Bölgesi, Ankara: PALME
- Ozan H (2004) Anatomi, Ankara NOBEL
- Snell RS (1998) Clinical Anatomy for Medical Students, Washington: LIPPINCOTT-WILLIAMS&WILKINS
- Moore KL (1992) Clinically Oriented Anatomy, Baltimore WILLIAMS & WILKINS
- Romanes GJ (1997) Cunningam's Manual of Practical Anatomy: Upper and Lower Limbs, Oxford, Oxford University Press
- Clancy J, McVicar AJ (2002) Physiology & Anatomy: A h-Homeostatic Approach, London ARNOLD
- Wiliams PL, Warwick R, Dyson M, Bannister LH (1989) Gray's Anatomy, Edinburgh London CHURCHILL LIVINGSTONE

Atlases

- Netter FH (1994) Atlas of Human Anatomy, New Jersey CIBA – GEIGY CORPORATION
- Sobotta Atlas der Anatomie des Menschen (İnsan Anatomisi Atlası) (1977) Ed. H. Ferner and J. Staubesand., BaltimoreUrban & Schwarzenberg (Three Volume)

4. Mandatory or Optional Course: This course is a mandatory course

5. Teaching Staff

Dr. Can PEL N, MD Ph.D

Dr. Ragıba ZA YAPAN, Ph.D

Dr. Ayla KÜRKCÜO LU MD PhD

6. Length and Period: 11 hours

The titles of the lectures are listed below

Hours	Subjects
1	Introduction to Anatomy
2	Anatomical Terminology
3 – 4	History of Anatomy
5 – 6	General Information on Bones
7 – 8	General Information on Joints
9	General Information on
10 – 11	Anatomical Landmarks

7. Teaching and Learning Methods

The course consists of lectures with data and slide shows in class discussions, quizzes and reading assignments.

Assessments: The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

8. Language: The language of the course is Turkish

1. IDENTIFICATION OF THE COURSE

MEDICAL ETHICS

2. DESCRIPTION

Medical Ethics and Human Rights form an integral part of the history, the relationship between law and medical ethics and International Health. In addition, World Future Society has published the top 10 skills for the future and the most important skill is work ethics*. In an era where ethics became the most important skill for any profession, medical ethics has for sure a vital place in medical education and effect on people's lives. Not only has it affected the current generations but also future generations as well. As a final word, we suggest that medical ethics education should have an important place in medical education.

* Futurist Update (February, 2004). World Future Society, Vol.5(2).

3. LEVEL

a. Prerequisite:

None

b. Objectives:

The first objective of the course is to familiarize students with the basic concepts and approaches within medical sciences and to help students to develop a historically understanding of medical issues. The second objective is to help students to understand medical issues in the medicine in the light of the theoretical framework mentioned above.

c. Learning Outcomes:

We believe that this experience will be helpful for the students in earning to talent in interpreting, comparing, critiquing for the medical ethics issue in their good medical practice.

d. References:

Textbooks

- ALBERT R. JONSEN, MARK S EG ER, W LL AM J. W NSLADE (2002): Clinical Ethics: A Pratical Approach to Ethical Decisions in Clinical Medicine. Mc Graw-Hill /Appleton. 5. ed.
 - A CIO LU Ç. Tıbbi Yardım ve El Atmalardan Do an Sorumluluklar. Ankara 1993.
 - AYAN M. Tıbbi Müdahalelerden Do an Hukuki Sorumluluk. Kazancı Kitap Ticaret A. . 1991.
 - BLOOM W.S., (1964): The Doctor and His Patient – A Sociological Interpretation, A Free Press Paperback
 - BÜKEN E., BÜKEN NÖ. "Tıpta Malpraktis ve Etik Yönleri (Ethical Aspects of Malpractice in Medicine)", Ya ama Dair Etikçe Bir Bakı (An Ethical Glance Concerning Life) , Arda B. Büken NÖ. Duman YÖ. Öztürk H. ahino lu S. Yetener M. Yıldız A. (Publication Committee). Ankara Medical Society Publ. 2002. p:86-112.
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- BÜKEN E., BÜKEN NÖ. Yasal ve Etik Yönleriyle Türkiye’de Tıbbi Malpraktis (Legal and Ethical Aspects of Medical Malpractice in Turkey)", Ça da Tıp Eti i (Modern Medical Ethics), Demirhan Erdemir A., Öncel Ö., Aksoy .(Eds). Nobel tıp kitabevleri. 2003. p: 163-178.
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- TÜRK TABİPLER BİRLİĞİ, (1998b): Türk Tabipleri Birliği Etik Kurul Görüşleri, Ankara
- TÜRK TABİPLER BİRLİĞİ, (1999): Hekimlik Meslek Etiği Kuralları, Ankara
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Articles:

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4. COMPULSORY or ELECTIVELY COURSE

This course is a compulsory course

5. TEACHING STAFF

Lecturer Rifat Vedat YILDIRIM (PhD)

6. LENGTH AND PERIOD

This course is 10 hours in phase I. Topics to be covered are shown below:

Hours	Topics
1-2	Introduction to Medical Ethics and Deontology – Basic Concepts
3	International Codes of Medical Ethics
4	Principles of Medical Ethics – Nonmaleficence and Beneficence
5	Principles of Medical Ethics – Respect to Autonomy and Justice
6	Ethical Decisions in The Beginning of The Life
7	Ethical Decisions at The End of The Life

7. TEACHING AND LEARNING METHODS

The course will consist of lectures, class discussions, and reading assignments.

8. ASSESSMENT:

The coordination office evaluates students through test examinations according to the Baskent University Faculty of Medicine Education and Examination Regulations.

9. THE LANGUAGE:

The language of the course is Turkish.

1. Identification of the Course

English for Specific Purposes I for Faculty of Medicine

2. Course Description

The course is an EAP / ESP oriented English course which is designed to cater the needs of students who study at the Faculty of Medicine. The course mainly focuses on all four skills of language: reading, writing, listening and speaking. Lexical studies and grammar are also dealt with both for recognition and production purposes. Language and skills are not only improved but also practiced in an integrated manner. Skills are observed as receptive and productive. Productive skills such as writing in particular, emphasize conventions of academic writing through process approach. In addition, stylistics, mechanics, coherence and unity are emphasized. Speaking mainly focuses on classroom discussions, which encourage students to express themselves in different academic and professional contexts. Receptive skills of reading and listening both focus on reading / listening for main idea, specific information, note taking, deducing meaning from contextual clues, and transferring received information into visual representations such as charts, graphs, etc.

3. Level

a. Prerequisite

Intermediate level of English

b) Objective

To improve students' language competence by practicing basic language structures and functions. To enable students to build lexicon, which involves subject-specific and academic topics.

c) Intended Learning Outcomes

At the end of this course, the learner is expected to demonstrate detailed understanding of academic and professional contexts. He/ she is also expected to acquire writing and speaking skills to express himself / herself in different academic and professional contexts.

d) References

English for Medicine Booklet I, compiled by Curriculum Development Unit of English Language Department, 2008

4. Compulsory or Elective course

Is a compulsory course for students in the Faculty of Medicine.

5. Teaching Staff

Ziya Aksoy, Selda Erdem

6. Length and Period

Is a two-semester course.

Committees	Contents
Committee I (12 hours)	Personality traits and other qualities required for the study of medicine and to become a good doctor. Illnesses, diseases and other health conditions. Academic reading and writing skills
Committee II (18 hours)	Syllabus of a medical school. Medical specialties and specialists. Reading strategies. Academic writing.
Committee III (15 hours)	The clinical spectrum. Reading strategies. Academic writing. Common diseases, illnesses and conditions
Committee IV (15 hours)	An epidemiological approach to medicine. Malnutrition Measuring things in medicine. Statistics
Committee V (12 hours)	Preventive medicine. Immunity and immunization. Academic reading and writing skills
Committee VI (6 hours)	Human anatomy. First aid in medical emergencies. Planning and outlining for presentation

7. Teaching and Learning Methods

The teaching method is eclectic and functional, including lectures, class discussions, reading and writing assignments.

8. Assessment

Student progress is assessed through written exams, one per committee and one final at the end of the academic year, each counting as 10% (10 points out of 100). Percentages are set by the Faculty term-coordinators, thus they may vary.