

HEALTH INFORMATION SYSTEMS PROGRAM 2020/2021 COURSE CONTENTS

I. SEMESTER

ATA101 ATATÜRK PRINCIPLES AND REVOLUTION HISTORY I

Ottoman Social and State Order Delay and Reform Movements; Disintegration of the Ottoman State and the Start of the National Struggle; Organization of the National Struggle in Mustafa Kemal Pasha in Anatolia; Opening of the First T.B.M.M.; Military and Political Developments Between 1920-1922; Revolutions and Counter-Reactions; Establishment of Constitutional System; Domestic and Foreign Politics in the Republican Era; Basic Features of Turkish Revolution and Thought Movements that are Affected; Innovations in Law, Education, Economy and Social Life; Atatürk's Principles and General Qualifications of These Principles; Evaluation of Kemalism in Ideological Perspective.

INGU101 ENGLISH I

Markers; Preliminary Prepositions: Place, Time, Movement; Singular and Plural Names: Countable and Uncountable nouns; Times: Wide time, Present time, Past time structures; Modes: Will, Should, Should not, Must, Must not, Can; Comparative structures; Fairings: Personal titles, Possessive titles; Adjectives; Positive sentence, Negative sentence and Question sentences; Conjunctions: And, But, While-While, Because.

MAT101 BASIC MATHEMATICS

Numbers, Exponential and rooted expressions, First order expressions, Coordination of the plane, Line equation in the plane, First order inequalities, First order equation and inequalities including the absolute value sign, vectors

SBS103 BASIC INFORMATION TECHNOLOGIES

Basic computer information, Windows Operating System Usage, Microsoft Word, Microsoft Excel, Microsoft Powerpoint, Internet usage.

TURK101 TURKISH LANGUAGE I

What is Language: Theories about the birth of language, Language-culture-nation relationship; Language Revolution: Turkish Language Institution and its works; World Languages: Language families, the place of Turkish among world languages; Features of Turkey Turkish: Voice properties, Format properties, Sentence properties; Writing rules; Punctuation; Correspondence: CV, Petition, Letter, Business letter, Telegram.

RKUL101 UNIVERSITY CULTURE I (ÜZSEÇ)

Each semester includes seminars, conferences, panels, workshops and speeches that will be held for 14 weeks within the framework of a program consisting of academic units, student council and student clubs at the university.

SBS115 HEALTH MANAGEMENT AND LEGISLATION

Health and health services, classification and functions of health services, historical development of health services in our country, organization of health services, basic concepts related to management and management, hospital management, management and leadership in health services, laws and

regulations related to management and practices in hospitals and other health institutions. and review of regulations

SKI107 BASIC HEALTH INFORMATION AND MEDICAL TERMINOLOGY (BSEÇ)

Basic concepts about health and health, health education and healthy working environment, hygiene, sanitation and infection concepts, healthy nutrition and exercise, growth, development, maternal and child health, old age, introduction to medical terminology, prefixes, suffixes, body systems, medical systems terms and diseases

RPSI209 POSITIVE PSYCHOLOGY AND COMMUNICATION SKILLS (ÜZSEÇ)

It is an approach that enables the individual to realize their own resources and values in order to be happy, peaceful and successful. Using these values and resources in accordance with the purpose and creativity of the individual gives the individual the opportunity to use his personal and cultural potential by making a conscious choice. In this course, students will evaluate their research and conceptual studies on different topics and theoretical approaches (meaningful living, feeling of gratitude, self-indulgence, happiness, hope, optimism, positive emotions, personal development after trauma, endurance, self-esteem, strength, time perspective). Students learn how to use methods such as brain map, thanksgiving diary, seven ways to increase happiness.

II. SEMESTER

ATA102 ATATÜRK'S PRINCIPLES AND REVOLUTIONS II

Ottoman Social and State Order Delay and Reform Movements; Disintegration of the Ottoman State and the Start of the National Struggle; Organization of the National Struggle in Mustafa Kemal Pasha in Anatolia; Opening of the First T.B.M.M.; Military and Political Developments Between 1920-1922; Revolutions and Counter-Reactions; Establishment of Constitutional System; Domestic and Foreign Politics in the Republican Era; Basic Features of Turkish Revolution and Thought Movements that are Affected; Innovations in Law, Education, Economy and Social Life; Atatürk's Principles and General Qualifications of These Principles; Evaluation of Kemalism in Ideological Perspective.

INGU102 ENGLISH II

Tenses: present tense, wide tense, past tense, future tenses; modes: might, could, can, must, may; envelopes: place, direction, purpose, state envelopes; adjectives: order of adjectives, comparison, structures indicating superiority; passive structure: current, broad, past, future passive structure; conditional clauses; adjective clauses; transfer sentences; verb structures: to, -ing; noun clauses; envelope clauses; comparative structures.

SBS110 VOCATIONAL MATHEMATICS

Numbers, Exponential and rooted expressions, First order expressions, Coordinating the plane, Line equation in the plane, First order inequalities, First order equations and inequalities including the absolute value sign, vectors, matrix and determinant.

SBS102 BASIC PROGRAMMING

General structure of Java programming language, algorithm, explanations, variables, basic data types, general and local variables, operators. Programming language input-output commands,

decision commands. Loop commands; for program and algorithm applications. Loop commands and Continue, break. Single and multidimensional arrays. Functions. Use of arrays with functions. Header files, and parameter transfer to functions. Pointer, pointer arithmetic. Comparison of pointers, pointers and arrays. Using pointers with functions. Strings. Structured data types. Disk files.

SBS112 SOFTWARE INSTALLATION AND MANAGEMENT

The aim of this course is to be able to make a good hardware design, to perform high-performance software analysis for large systems, to evaluate the options such as processor speed, structure, memory capacity and to choose the appropriate computer systems for them.

TURK102 TURKISH LANGUAGE II

To gain the skill of using mother tongue correctly; In the course where students who have come to the university by acquiring this skill are also essential to produce their thoughts in order to develop their skills in this field, punctuation marks, spelling rules, composition rules, writing types are discussed with examples and writing studies are carried out. In addition, various novels, poetry books and theater works are read and studied. By making a reading theater in the classroom, applied emphasis and intonation lessons are carried out with various diction techniques.

ILK101 FIRST AID (BZSEÇ)

General First Aid Information, Human Body, Patient / Wounded and Crime Scene Assessment, Basic Life Support, Respiratory Tract Obstructions, Bleeding and Shock, Injuries, Burns, Freezing, Heat Stroke, Consciousness Disorders (Loss of Consciousness, Remittance, Low Blood Sugar, Chest Disorders Pain), Poisoning, Animal Bites, Eye-Ear-Nose-Foreign Body Escape, Drowning, Fractures, Dislocations, Sprains, Transport Techniques.

RKUL102 UNIVERSITY CULTURE II

Each semester includes seminars, conferences, panels, workshops and speeches that will be held for 14 weeks within the framework of a program consisting of academic units, student council and student clubs at the university.

SBS114 HEALTH WEB DESIGN

Html Basic Structure and Tags, Text, Image and Media Tags, Link (Bridge) Creation, Listing Tags, Table Operations, Frames, Forms and Form objects, Style Template (CSS) Fundamentals, Style Template (CSS) Properties and Use , Style Template (CSS) Menu Operations and Web Design, Java Script basics and usage, JQuery basics and usage, Browser Problems and Solutions

III. SEMESTER

SBS205 DATABASE MANAGEMENT

Basic database topics targeting conceptual, logical and physical design are covered. ER model in conceptual design, Relational model and SQL in logical design, indexing in physical design are some

topics. In addition, query efficiency issues such as “embedded images” and security within the scope of VT Management are examined.

SBS207 VISUAL PROGRAMMING I

Multiple application development, partitioning logical layers into multiple components, visual programming concepts: designing forms and writing code in C #, key components: label, TextBox, Combobox, Button, Form and properties and events of these components, listbox component and text file operations, data putting the components into the database.

SBS213 HOSPITAL INFORMATION MANAGEMENT SYSTEMS I

Definitions (Data, Information, Knowledge, Information, Hardware, Software, System, Information Systems, Hospital Information Management Systems), Computer and Network (LAN, WAN, Internet, Intranet, Server-Client, Database, Web services), Hospital Information Aims, Benefits of Management Systems (HBYS), Systems Where HBYS Exchange Data (MHRS, KPS, Medula, Sağlık-Net, ÇKYS, LIS, PACS, Biometric Authentication System, İTS, ATS, e-Pulse), History of HBYS and Development, HBYS Programming and Structure, Most Common Diagnostic and Therapeutic Procedures and Interventions Recorded in HBYS, HBYS Service Price Lists (SGK SUT (Health Practice Communiqué) Service Price Lists, Turkish Medical Association Medical Practices Database (TTB-HUV) Minimum Wage Tariff, Paid Patient Price Lists, Medication Price List, Medication Tracking System (İTS), Vaccine Tracking System (ATS), Medical Equipment Price Lists, Defining Institutional Agreements in HBYS, Patient Registration and Admission, Polyclinic Registration, Inpatient Registration, Polyclinic Doctor Patient Tracking, Inpatient Doctor Tracking, Nurse Patient Tracking, Emergency Patient Registration, Laboratory and LIS, Radiology, PACS, Tele-Radiology, Medicine and Medical Equipment Tracking, Appointment

SBS201 QUALITY MANAGEMENT IN HEALTHCARE ORGANIZATIONS

The concept of quality in healthcare, customer satisfaction in healthcare institutions, measurement of quality in healthcare, teamwork in quality improvement, continuous improvement, tools used in quality improvement, accreditation in health care, certification and quality awards, patient safety

MET101 PROFESSIONAL ETHICS (BZSEÇ)

Ethical and moral concepts, ethical systems, factors that play a role in the formation of morality, professional ethics, professional corruption and the results of unethical behavior in professional life and examination of social responsibility concepts.

SBS999 SUMMER INTERNSHIP

Combining theoretical knowledge learned in theory with routine functioning

IV. SEMESTER

SBS214 SERVER OPERATING SYSTEM

OSI, TCP / IP layers, communication between network layers, network topologies, internet, intranet, internet security, internet engineering topics will be transferred to students throughout the semester. It has 8 hours of application.

SBS206 SYSTEM ANALYSIS AND DESIGN

The course covers floating point arithmetic, solution of univariate nonlinear equations, linear equation system solutions, interpolation and polynomial approximation, curve fitting, Bezier and cubic strips, least squares method, FFT, compression, optimization. Students are expected to complete their graduation projects in this context.

SBS208 VISUAL PROGRAMMING II

NET framework, Common Runtime language (CLR), compilation of VB codes in medium language, Class library (FCL) framework, Windows, Web forms and controls, Input output I / O file, regular expressions, multiple form applications, pictureBox component and graphic files, commonly used components, file and folder operations, Dialog boxes, Application ADO.NET, MS SQL Server connections and related classes, database application, heterogeneous and various collections.

SBS216 HOSPITAL INFORMATION MANAGEMENT SYSTEMS II

HBYS Programming and Structure, The Most Common Diagnostic and Therapeutic Procedures and Interventions Recorded in HBYS, HBYS Service Price Lists (SGK SUT (Health Practice Communiqué) Service Price Lists, Turkish Medical Association Medical Practices Database (TTB-HUV) Minimum Fee Tariff, Paid Patient Price Lists), Medication Price List, Medication Tracking System (İTS), Vaccine Tracking System (ATS), Medical Equipment Price Lists, Identification of Institutional Agreements in HBYS, Patient Registration and Acceptance, Polyclinic Registration, Inpatient Registration, Polyclinic Doctor Patient Monitoring, Inpatient Doctor Follow-up, Nurse Patient Follow-up, Emergency Patient Record, Laboratory and LIS, Radiology, PACS, Tele-Radiology, Medicine and Medical Equipment Tracking, Appointment

SBS218 HEALTH STATISTICS

Understanding and interpreting statistical analysis in the field of health, understanding the analysis in the general literature. Applied analysis, statistical tests. To have a general knowledge about statistical analysis. To be able to apply parametric and non-parametric tests. Application of regression, correlation and diagnostic tests. Frequency Analysis, Normal Distribution, Standard Normal Distribution, Statistical Graphics, t Test, t Test Applications, Standard Normal Distribution Applications

SBS220 MEDICAL DOCUMENTATION

Basic concepts of medical document and medical documentation, patient files, legal aspect of medical documentation, file storage methods, archiving, automation, international documentation system of diseases, medical correspondence, the importance of quality in documentation