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| **EMERGENCY AID AND DISASTER MANAGEMENT COURSE SCOPE** |
| **Emergency and Disaster Management I** |
| **Course Content**: Concepts and definitions: Emergency management, hazard, emergency, disaster; history of disaster, natural disasters, atmospheric disasters, geological disasters, hydrogeological disasters, seismic disasters, technological disasters, dam explosions, fires, traffic accidents, hazardous materials, nuclear accidents, hazard analysis, four phases of emergency management, resources, participants, important functions, resource requirements, private sector resources, requesting help, integrated emergency management concept, four phases (preparation, mitigation, response, recovery), coordination, communication, chain of command, functional groups in emergency management, relationships in emergency management, coordination between organizations, role of participants, citizens, private sector, government, sample application. Emergency management profession.  **Textbook and Recommended Resources:**  • Şengezer, B and Kansu, H., (2001), Comprehensive Disaster Management, YTÜ Publications, İST.  • Mikdat Kadıoğlu, Emin Özdamar (Editors), Basic Principles of Disaster Damage Reduction, Jıca Turkey Office, Publication No: 2, MARCH 2008, ANKARA. • P. Gülkan, M. Balamir, A. Yakut, "Strategic Principles of Disaster Management: General View of Policies in Turkey and the World", METU, Disaster Management Application and Research Center, September 2003 |
| **Emergency Vehicle Training and Emergency Aid** |
| **Course Content:** Definition of Search and Rescue Team (SAR), Definition of Vehicles Used in SAR, Lead Vehicle in SAR, SAR Equipment Carrier, Generators, Breaker and Drilling Vehicles, Hydraulic Separator and Support Vehicles, Lighting Equipment, Airbags, Tripod, Hog Dam, Use of Sledgehammer, Lever, Stretcher Types, Carabiners, Octopuses, Cumars, Safety Belts, Personal Protective Equipment, Pulleys, Motorized Transport Vehicles, Off-Road Vehicles, Chainsaws. Open and closed stake knot, Reef knot and Swedish Seat, Carabiner Octopuses and Pulleys, Station Setup and Landing, Descent with Injured, Aerial Line Setup and Evacuation, Stretcher Preparation.  **Textbook and recommended resources:**  • Basic firefighting lecture notes KÜRECİ, Kemal. 2005. Kocaeli  • Ufuk, H. HÜŞAN. Lecture notes.  • Emergency Medicine (A Comprehensive Study Guide) Judith E. Tintinalli |
| **Anatomy** |
| **Course Content**: Terms related to human anatomy and physiology, functions of the human organism, respiratory system, cardiovascular system, digestive system, nervous system, urogenital system, locomotor system and anatomy and physiology of sensory organs, endocrine system.  **Textbook and recommended resources:**  • DEMİRSOY, A. Basic Rules of Life, Vertebrates/Amniota, Meteksan, Ankara  • Atlas of Human Anatomy, MEB.  • Olcay ÖZKAN, Nurettin OĞUZ, B.Ö.DÖNMEZ Anatomy Lecture Notes,  • Jane B.R., Lisa A.U., Michael L.C., Stewen A. W., Peter, V.M. and Robert B. J. Cambell Biology, Nine Edition, 1263 pp.  • Marieb, E.N. and HOEHN, K. 2017. Anatomy and Physiology. Nobel Publications, Editor, İlkan TATAR, 1022 p. Ankara.  • Dyer, J.G.. 2017. Anatomy and Physiology. Nobel Publications, Ed M. Büyükmumcu, 250 p. Ankara |
| **Microbiyology-Parazitology** |
| **Course Content:** Classification of microorganisms, Properties of microorganisms such as viruses and bacteria, disease-causing microorganisms, Parasitism, Properties of unicellular parasites, their diagnoses, diseases they cause and protection methods, Helminths, their properties, diagnoses, diseases they cause and protection methods, Parasitic species living in arthropods and acting as vectors, their properties, diagnoses and diseases they cause.  **Textbook and recommended sources:**  • Anonymous, Microbiology Lecture Notes  • DEMİRSOY, A. 1998. Basic Rules of Life (Invertebrates-Except Insecta) Volume II, Part 1, Demirsoy, A., Meteksan Publications, Ankara.  • SAYGI, G. 1998. Basic Medical Parasitology Textbook.  • GÖÇMEN, B. 2008. General Parasitology Book, Ege University Publications, 359 p.  • OKTEM, N. and GÖÇMEN, B. 2008. General Parasitology and Application Book, Nimet OKTEM and Bayram Göçmen, Ege University Publications, 186 p. |
| **Epidemiyology** |
| **Course Content:** Definition of Epidemiology, Strategies, Historical Development of Epidemiology, Classification of Epidemiological Research, Areas of Use of Epidemiological Methods, Descriptive Epidemiology, Concept of Cause in Epidemiology, Epidemiological Investigation of Epidemics, Epidemiological Data Sources, Epidemiological Criteria, Epidemiology of Communicable Diseases, Epidemiology of Non-Communicable Diseases, Epidemiology of Chronic Diseases, Epidemiology of Accidents.  **Textbook and recommended sources:**  • TEZCAN, S. 1992. Epidemiology is the methodology of medical research. Hacettepe University Faculty of Medicine.  • ÖZATALAY, N. 1995. Communicable Diseases and Epidemiology. Ankara: Hatiboğlu Publishing House.  • BİLİR, N., and GULER, Ç. 1989. Epidemiology. Ankara: Hatiboğlu Publishing House.  • TEZCAN, S. 1992. Epidemiology Methodology of Medical Research. Ankara: Hacettepe Public Health Foundation.  • GORDIS, L.1996. Epidemiology. US: W.B. Sounders Company.  • SUMBULOGLU,V., SEZER, E., SUMBULOGLU, K. 1999. Epidemiology and Research Techniques, Ankara: Somgür Publishing House |
| **Management and Organization** |
| **Course Content:** Management process, Classical and neo-classical views on business management, System view and contingency view, Decision making process in business management, Planning, planning process and techniques, Organization problems, organization processes, contemporary views, Business and management functions, Total quality approach, Utilizing external resources, Core competence and Benchmarking, Virtuality in business management and reengineering and learning organizations in businesses, Coordination and control problem and control tools  **Textbook and recommended resources:**  • KOÇEL, T. 2011. Business Management, Beta Publishing.  • 2.EREN, ER. 2011. Management and Organization, Beta Publishing  • 3.GÜNEY, S. 2007. Management and Organization, Nobel Publications  • 4.ŞİMŞEK Ş.ve ÇELİK A. 2017. Management and Organization, Eğitim Publishing House |
| **Basic Information Technology Usage** |
| **Course Content:** Basic Concepts of Computer, Computer Hardware, Software and Working Principles of Computer, Basic Hardware and Additional Hardware Units and Features, Operating Systems and Features, File, Folder and Window Operations, Operating System Application Software and Usage, Word Processing Program Menu and Toolbar Operations, Text Formatting Operations in Word Processing Program, Page Settings and Printer Usage, Spreadsheet Program Menu and Toolbar Operations, Creating and Formatting Tables, Formula and Function Usage, Internet Concepts and Search Engine and Mail Applications  **Textbook and Recommended Resources:**  • Internet Web Pages and Lecture Notes on the Subject (http://enformatik.aksaray.edu.tr)  • SARI, I. and BAĞCI, Ö. 2008. Basic Information Technology Usage, Seçkin Publishing. |
| **(English) Foreign Language** |
| **Course Content:** English reading/listening/speaking and writing exercises about names and professions, relationships, directions and transportation, people, events and times, clothes, home and work  **Coursebook and recommended sources:**  • JOAN S. and ALLEN A. Top Notch Fundementals (Pearson Longman).  • Thomos, A.J. and Martinet, A.V. A Practical English Grammer, Exercises 1, Third Edition, 383 pp.   * • Öztürk, C. Bulding Skills for proficiency, Seventh Edition, Hacettepe Taş. 625 p. |
| **Turkish Language I** |
| **Course Content**: Language and Languages: Language Nation Relationship, Language Culture Relationship Languages ​​on Earth and the Place of Turkish Language among World Languages; Language Families in Terms of Their Sources, Historical development of Turkish Written Language; Old Turkish, Middle Turkish, Divanü Lügat-it Türk, Atabetü'l- Hakayık, Khwarezm Turkish, Old Turkey Turkish (Old Anatolian Turkish); New Turkish Period, Modern Turkish Period, Western, Southwestern Turkish), Turkey Turkish, Eastern (Northern) Eastern Turkish), Karatay Turkish, Phonetics (PHONETIC), Sound and formation of sound, big and small vowel harmony, main sound events in Turkish; Sound features of Turkish, syllable structure of Turkish, sentence stress. Morphology (MORPHOLOGY- FORM INFORMATION), words in terms of shape, roots, stems, suffixes (derivative suffixes, inflectional suffixes), words in terms of expression and functions; nouns, adjectives, pronouns, verbs, verb conjugation, form and time suffixes, gerunds, prepositions, derived from verbs and derived from nouns, semantics; meaning in words, the meaning framework of words.  Textbook and recommended sources:  • YAKICI, A., YÜCEL, M., YELOK, S. and DOĞAN, M. 2008. Turkish Language and Composition Information, Gazi Bookstore, Ankara  • KORKMAZ, Z., AKALIN, M., ERCİLASUN, A., ZÜLFİKAR, H. and PARLATIR, İ. 2003. Turkish Language and Composition Information for Universities, Yargı Publishing House, Ankara  • ERGİN, M. 1988. Turkish Language for Universities, Dergah Publications. |
| **Disaster and Emergency Management II** |
| **Course Content:** Criteria for Determining New Settlements, Calculation of Hazard Risks in Existing Settlement Areas, Reduction of Hazard Risks, Public Institutions Disaster Preparedness Trainings, Establishment of Public Institutions Coordination, Fire Department and Hospital Emergency Response Plans, Neighborhood Disaster Preparedness Trainings, Voluntary Disaster Response Teams, Crisis Center Establishment Studies, Search and Rescue and Logistic Support Studies for Disaster Victims, Debris Removal and Burial Procedures, Epidemic Prevention and Public Health Services, Tent City Studies  **Textbook and recommended sources:**  • ŞENGEZER, B and KANSU, H. 2001. Comprehensive Disaster Management, YTÜ Publications, İST.  • KADIOĞLU, M. 2008. Basic Principles of Disaster Damage Reduction, Emin Özdamar (Editors), Jıca Turkey Office, Publication No: 2, Ankara.  • GÜLKAN, P., BALAMİR M. And YAKUT A. 2003. Disaster Management Application and Research Center, METU |
| **Rescue Studies I** |
| **Course Content:** Open and closed stake knot, Reef knot and Swedish Seat, Carabiner figure eight and Pulleys, Station Setting and Landing, Descent with Casualty, Aerial Line Setting and Evacuation, Stretcher Preparation, Food Logistics, Strength Walking and Transfer, Crisis Center Setting and Reconnaissance Studies, Search and Rescue Exercise, Night Exercise, Survival and Navigation.  **Textbook and recommended resources:**  • TINTINALI, J.E. Emergency Medicine (A Comprehensive Study Guide).  • Underwater and Surface Search and Rescue. General Directorate of Civil Defense  • ULUSOY, F AND GÖRGÜLÜ, S. 1995. Fundamentals of Nursing, Basic Theory, Concept, Principle and Methods. Çağın Ofset, Ankara. |
| **Physclogy** |
| **Course Content:** Definition, purpose, importance of physiology, Organic and inorganic substances, Metabolism, Structure and functions of enzymes, Cell Physiology, Nerve Physiology, Excretion, Respiration, Digestive Physiology, Endocrine secretion, Blood Physiology, Circulatory System, Heart and lymph circulation.  **Textbook and recommended sources:**  • NOYAN A. 1989. Physiology. Meteksan A.Ş. Ankara  • SCHMİDT-NİELSEN K. 1997. Animal Physiology: Adaptation and Environment. Cambridge Univ. Pres, 1st Eds., 607pp  • AKTÜMSEK, A. 2007. Human Physiology, Nobel Publications, 460 p.  • GUNER, U. Animal Physiology lecture notes, Trakya University,  • Marieb, E.N. and HOEHN, K. 2017. Anatomy and Physiology. Nobel Publications, Editor, İlkan TATAR, 1022 p. Ankara.  • Dyer, J.G.. 2017. Anatomy and Physiology. Nobel Publications, Ed M. Büyükmumcu, 250 p. Ankara |
| **Basic Disaster Knowledge** |
| **Course Content:** To inform about earthquake, rockfall, landslide, flood, avalanche.  **Textbook and recommended resources:**  • KOYUNCU, R. Civil Defense Information-Rahmi Koyuncu  • Civil Defense Law, Civil Defense Organization and Duties (Ministry of Interior Civil Prosecution General Directorate  • AFAD 2017 CBRN Congress presentations, Ankara |
| **Diseases Knowledge** |
| **Course Content:** Cell, organ, tissue, general structure of the human body, Metabolism, fluid-electrolyte imbalances, health and disease concepts, symptoms, findings, examination and diagnosis procedures for diseases, Respiratory, Digestive, Infection and parasite, urinary system, blood endocrine system diseases and cancers, mental health and disorders, allergic diseases, joint connective tissue, mental health and disorders, nervous system and sensory organ diseases.  **Textbook and recommended sources:**  • AKGÜN, S. 1995. Disease Information. Ankara: Hatiboğlu Publications.  • BİROL, L and AKDEMİR, N. 1997. Internal Medicine Nursing. Vehbi Koç Publications  • Thoracic Association Schools Information (Internet)  • NOYAN, A. 1988. Human Physiology, Meteksan, Ankara |
| **Mathematics** |
| **Course Content:** Importance of analytical thinking, Reading numbers, Place of mathematics in the health sector, Exponential functions, Equations, Determinants, Linear equations, Applications related to matrices, Continuity limit, Applications related to limits, Area of ​​use of derivative, Integral and applications, Differential Equations and applications  **Textbook and recommended sources:**  • KOBU, B. 2008. Business Mathematics, Beta Publishing  • TULUNAY, Y. 2006. Business Mathematics, Nobel Publishing Distribution,  • DOWLING E. 1999. Business Economics and Social Sciences for Mathematics, (Translation Editor: Hilmi Hacısalihoğlu), Nobel Publishing Mount |
| **Organizational Behavior** |
| **Course Content:** Introducing Organizational Behavior and its historical process, Organizational Commitment, Organizational Citizenship Behavior, Psychological Violence in Organizations, Organizational Justice, Burnout Syndrome, Management of Diversity, Political Behavior in Organizations, Organizational Culture, Organizational Learning, Counterproductive Behaviors in Organizations, Emotional Intelligence and Labor Behavior.  **Textbook and recommended resources:**  • EREN, E.2010. Organizational Behavior and Management Psychology, 12th Edition, Beta Publishing, Istanbul  • YENIÇERI Ö. and DEMIREL Y. 2011. Individual and Organization Focused Behaviors in Management, Ekin Kitabevi Publications |
| **Turkish Language II** |
| **Course Content:** Word groups, real, lateral and metaphorical meanings of words, Idioms, reduplications, terms, language errors, sentence structure of Turkish, sentence elements, sentence analysis, written expression types such as novel, article, essay, poem, presentation, report and minutes examples, petition, business letter and CV writing, expression types such as conversation and discussion  **Coursebook and recommended resources:**  • YAKICI, A., YÜCEL, M., YELOK, S. and DOĞAN, M. 2008. Turkish Language and Composition Information, Gazi Bookstore, Ankara  • KORKMAZ, Z., AKALIN, M., ERCİLASUN, A., ZÜLFİKAR, H. and PARLATIR, İ. 2003. Turkish Language and Composition Information for Universities, Yargı Publishing House, Ankara  • ERGİN, M. 1988. Turkish Language for Universities, Dergah Publications |
| **Foreign Language II (English)** |
| **Course Content:** Activities, weather and ongoing events, food, past events, appearance and health, talents and requests, past, present and future plans in English reading/writing/listening/speaking exercises  **Course Book and recommended resources:**  • SASLOW, J.and. ASCHER, A. Top Notch Fundamentals (Pearson Longman)  • THOMOS, A.J. and MARTİNET, A.V. A Practical Englisg Grammer, Exercises 1, Third Edition, 383 pp.  • ÖZTÜRK, C. Bulding Skills for proficiency, Seventh Edition, Hacettepe Taş. 625 p. |
| **General Chemistry** |
| **Course Content:** Properties and measurement of matter, atomic theory atoms and atomic theory, chemical reactions, aqueous solution reactions, electron structure and properties of gas atoms, periodic table, chemical bonds, chemical kinetics, chemical equilibrium principles, acid-base equilibrium, saturated hydrocarbons, organic reactions and functional groups, alcohols, ethers, aldehydes and ketones, esters, amines and amides.  Textbook and recommended sources:  • HARWORD, P., 1994. General Chemistry. Palme Publishing. Ankara.  • ERDİK, E., SARIKAYA, Y., 2004 . Fundamental University Chemistry. Gazi Bookstore. Ankara.  • TÜZÜN, C., 1996 . Organic Chemistry. Palme Publishing. Ankara.  • CHANG, R., 2005. (Translation from 8th Edition by Uyar, T., Aksoy, S.), Palme Publishing, Ankara. • PETRUCCI,R.H., HARWOOD, W.S., HERRING, F.G., 2005. (Translation from 8th Edition by Uyar, T., Aksoy, S.), Palme Publishing, Ankara. |
| **Professional English** |
| **Course Content:** Developing reading, writing, speaking and translation skills related to professional subjects.  **Coursebook and recommended resources:**  • GÜLKAN, P.; CREAMER, T., 2004. Disaster Preparedness Glossary, Dunwoody Press.  EXPLANATORY DISASTER TERMS DICTIONARY, 2014. Republic of Turkey Prime Ministry Disaster and Emergency Management Presidency.  • AZAR, B.S., 1989. Understanding and Using English Grammar. Second Edition.  • TÖREL, S., 1985. Medical Translation. 3rd edition. Hacettepe-Taş Kitapçılık Ltd. Şti.   * • TURÇİN, M., 1980. Medical English for Turks. 2nd edition. Öğretmenler Matbaası. Ankara. |
| **Rescue Studies II** |
| **Course Content:** Conceptual foundations of emergency aid and rescue, Introduction to emergency aid and rescue activities, Use of individual protection and personal protective equipment in emergency aid and rescue operations, Environmental safety in emergency aid and rescue operations.  **Textbook and recommended sources:**  • TINTINALLI, J.E., EmergencyMedicine (A ComprehensiveStudy Guide).  • UNDERWATER AND SURFACE SEARCH AND RESCUE. General Directorate of Civil Defense.  • KADIOĞLU, M., 2011. Disaster Management Expecting the Unexpected Managing the Worst, Marmara Municipalities Union Publication. |
| **Emergency Patient Care I** |
| **Course Content:** Human-Environment-Health-Disease, What is Emergency?, Emergency Care in Our Country, Infection and Infection Control, Fluid Electrolyte Balance and Imbalances, Body Mechanics, Triage, Wound and Wound Care, Vital Signs, Measurement of Vital Signs, Physical Examination in Emergency Situations, Hot-Cold Applications, First Applications in Frostbite and Burns, Drug Applications.  **Textbook and recommended resources:**  • ULUSOY, M.F., GÖRGÜLÜ, R.S., 2001. Fundamentals of Nursing-Basic Theory, Concept, Principles and Methods, Volume:I, 5th ed., DFO Ltd.Şti, Ankara.  • HATİPOĞLU, İ., AVCI, Y., ÖZTÜRK, A., 1994. Fundamentals of Nursing. Ankara, Gata Printing House.  • AKCA AY, F., 2011. Basic Concepts and Skills in Health Practices, Nobel Medical Bookstore.  • SABUNCU, N., AKCA AY, F., 2010. Clinical Skills, Nobel Medical Bookstore.  • BİROL, L., 2002. Nursing Process, Etki Publishing.  • GÖRGÜLÜ, S.R., 2002. Physical Examination Methods for Nurses, Ankara, Tasarım Ltd.  • UÇAN, S., ÇELİKLİ, S., BARUŞ, Ü.N., ERSOY, G., 2000. Paramedic, Dokuz Eylül University Publications.  • CEM, M., TÜRKEŞ, M., ÖZCAN, Ü., 2005. First aid training handbook, Aktüel Publishing.  • MORAY, G., BİLGİN, N., 2004. First aid in trauma. Haberal Education Foundation.  • GÜNDEN, D., UÇAN, S.E., 2000. Professional Skills for Paramedics, Paramedic, Dokuz Eylül University Publications. |
| **Health Management in Disaster** |
| **Course Content:** The purpose of this course is to teach students the basic principles of the health sector and management.  **Textbook and recommended resources:**  • SARGUTAN, A.E., 1993. The Structure of the Turkish Health Sector. |
| **Statistic I** |
| **Course Content:** Basic concepts used in statistics, Measures of Central Tendency, Measures of Distribution, Measures of deviation from normality, Completion of missing data, Drawing graphs, Counting, Probability, Expected value and limit theorems, Probability distributions, Sampling Distribution, Confidence Interval.  **Textbook and recommended sources:**  • SUMBULOGLU, K., SUMBULOGLU, V. 2007. Biostatistics., Hatipoglu Publications, 299p.  • UNVER, O., GAMGAM, H. 1999. Applied Statistics., Siyasal Bookstore, Ankara, 413p.  • KARAGÖZ, Y. 2015. Biostatistics, Nobel Publications, 2nd Edition, 744p. Ankara.  • SOKAL, R.R. and ROHLF, F.J. 1995. Biometry. Third Edition, New York, 887 pp.  • KALAYCI, Ş. 2010. SPSS Applied Multivariate Statistical Techniques. Asil Yayın Dağıtım, 5th Edition, 426 p., Ankara |
| **Interpersonal Relations and Communication** |
| **Course Content**: Importance of communication Definition and characteristics of communication, Verbal and nonverbal communication Variables affecting communication, Professional and social relationships, Active listening, Self-awareness, Ways of self-awareness, Self-awareness practices, Using I language, Assertive behavior, Ability to control anger, Helping relationship and its basic qualities (trust, empathy, respect, sincerity), Communication techniques that develop and prevent helping relationships, Approach to some behaviors that may occur in sick/healthy individuals, Passive behavior, Aggressive and manipulative behavior, Communication in some special situations.  **Coursebook and recommended resources:**  • ACAR, N.V., 1998. Therapeutic communication (3rd edition), Onur Ofset, Ankara.  • ALTINTAŞ, E., ÇAMUR, D., 1994. Body language, Motif Printing, İstanbul.  • ANTAI-OTONG, D., 2007. Nurse-Client communication: A life span approach, Canada:30 Jones and Bartlett Publishers.  • DANISH, S.J., D’AUGELLI, A.R., HAUER A.L., 1994. Helping skills basic training program (F. Akkoyun, Trans.), Ankara: Ankara University Faculty of Education.  • ÖZCAN, A., 2006. Nurse-patient relationship and communication (2nd ed.), Ankara: Sistem Publishing.  • SCHUSTER, P.M., 2000. Communication: The key to the therapeutic relationship, Philadelphia: F.A.Davis Company.  • SILVERMAN, J., KURTZ, S., DRAPER, J., 2005. Skills for communicating with patients (2nd ed.), San Francisco: Radcliffe Publishing.  • ARNOLD E., BOGGS, K.U., 1999. Interpersonal Relationships Professional Communication Skills for Nurses (3rd ed.). United States of America: W.B. Saunders Company.  • CÜCELOĞLU D., 1993. Human to Human. 4th ed. Remzi Bookstore, İstanbul.  • ÜSTÜN B., AKGÜN E., PARLAK N., 2005. Teaching Communication Skills in Nursing, ISBN 975-98185-0-7, Okullar Publishing House, İzmir.  • ÖZ F., 2004. Basic Concepts in the Health Field. İmaj İç ve Dış Tic. AŞ. Ankara.  • DÖKMEN, Ü., 1996. Communication Conflicts and Empathy. İstanbul: Sistem Yay.  • TERAKYE, G., 1995. “Patient-Nurse Relationships”, ISBN 975-95943-0-7, Aydoğdu Ofset, Ankara. |
| **Biochemistry** |
| **Course Content:** Introduction to Biochemistry, Fundamental Properties of Living Organisms, Structure and Properties of Carbohydrates, Structure and Properties of Lipids, Structure and Properties of Amino Acids and Peptides, General Properties of Enzymes, Coenzymes and Vitamins, Bioenergetics Principles, Bioenergetics and the ATP Cycle, Digestion, Glucose and Glycogen Metabolism, Metabolism of Lipids, Amino Acid and Protein Metabolism, Hormones  **Textbook and recommended resources:**  • MARSHALL, W. J., LAPSLEY, M., DAY, A., & AYLING, R. (2014). Clinical Biochemistry E-Book: Metabolic and Clinical Aspects. Elsevier Health Sciences.  • DORR, D. Q., DENNISTON, K. J., & TOPPING, J. J. (2017). General, organic, and biochemistry. McGraw-Hill.  • BAYŞU SÖZBILIR N, BAYŞU N (2008) Biochemistry.Güneş Medical Bookstores  • ADAM B, GÖKER Z, ARDIÇOĞLU Y.( 2008). Basic and Clinical Biochemistry. Atlas Bookstore.  • ULUKAYA E. (1998). Clinical Biochemistry. Güneş & Nobel Bookstore |
| **Basic concepts related to Atatürk's principles and history of revolution I** |
| **Course Content:** Basic concepts related to Atatürk's principles and history of revolution, industrial revolution and French revolution, dissolution of Ottoman Empire, Tanzimat and Islahat Fermani, I and II Constitutional Monarchy, Tripoli and Balkan Wars, World War I, Establishment of TBMM, end of War of Independence and Lausanne Peace Treaty.  **Textbook and recommended sources:**  • YALÇIN,S., 2004 . History of Turkish Revolution and Atatürk's principles, Siyasal Publishing House, Ankara.  • MUSTAFA KEMAL ATATÜRK, 1980. Speech, Ministry of Culture, Ankara.  • SEZER, A., 2003 . History of Atatürk and Republic of Turkey, Siyasal Publishing House, Ankara.  • KÜRKCÜOĞLU, Ö., 1990. “Atatürk's Principles and History of Revolution”, Higher Education Council Press, Ankara.  • MUSTAFA KEMAL ATATÜRK, 1967. Speech I, II, III, Istanbul. |
| **Pschology** |
| **Course Content:** Basic concepts in psychology, definition of biological basis of behavior, examination of human cognitive and personality development, defense mechanisms used in protecting mental health, motivations that motivate people, needs, drives, learning, memory, intelligence, multiple intelligences, emotional intelligence, life-span psychology, social psychology, research methods used in psychology.  **Textbook and recommended resources:**  • YEŞİLYAPRAK, B., 2005 . Development and Learning Psychology. Pegem A. Publishing, Ankara.  • BAYMUR, F., 1998 . General Psychology, İnkılâp Bookstore, İstanbul.  • BERNSTEİN, D. A. et al., 2000. Psychology, Houghton Mifflin Company , NY. |
| **Turkish Sign Language** |
| **Course Content:** Learning and teaching the sign language used by hearing impaired individuals and providing the ability to use this language when necessary in social life.  **Course Book and recommended resources:**  • ATİLLA, M., 2011. Speaking Hands Basic Sign Language, İlgi Culture and Art Publications.  • COURSE NOTES, Videos. |
| **Special Education** |
| **Course Content:** Basic concepts; individuals with special education needs; language and speech disorders; physical disabilities/chronic illnesses; multiple disabilities; emotional/behavioral disorders; classification; prevalence and frequency; causes; screening/diagnosis; team; education-training environments; scientifically based practices; the concept of family and characteristics of families with children with special education needs; attitudes towards children with special education needs and their families; services, supports and legal rights provided to families.  **Textbook and recommended resources:**  • DİKEN, İ. H., 2015. Students with Special Education Needs and Special Education, Pegem Academy, Ankara. |
| **Fire Chemistry** |
| **Course Content:** Substances causing fire, substances formed after fire, fire safety systems, risk assessment.  **Textbook and recommended resources:**  • KÜREKÇİ, K., Basic Fire Department Information Fire Safety in Buildings, SMGM Publications.   * • DOĞAN, A., 2006, Fire Safety and Intervention Style in Natural Disasters, Seçkin Publishing. |
| **Professinal English II** |
| **Course Content:** Learning the English equivalents of basic terms related to the department; Reading and understanding the reading passages and articles and expressing what you understand in English; Translating from Turkish to English and from English to Turkish; Writing articles in English.  **Course Book and recommended resources:**   * • Articles and reading passages to be distributed every week. |
| **Rescue Studies III** |
| **Course Content:** Types of structures and debris, preliminary damage assessment, search knowledge and skills, rescue knowledge and skills, operational incident command system and teamwork  **Textbook and recommended resources:**  • ARIOĞLU, E., ARIOĞLU, N., YILMAZ, A. O., GİRGİN C., 2000. Earthquake and Rescue Principles, Evrim Publishing House. |
| **Basic Rules of Life in Nature** |
| **Course Content:** Clothing, eating and drinking, shelter, communication and what to do in case of loss to protect oneself from external factors when going out into the field.  **Course Book and recommended resources:**  • Prepared lecture notes. |
| **Emergency Patient Care II** |
| **Course Content:** Monitoring the patient or injured person, administering medication, digestive system emergencies, emergency care for a patient with abdominal pain, emergency care for metabolic diseases, emergency care for endocrine diseases, emergency care for urogenital diseases.  **Textbook and recommended resources:**  • SÖZEN, C., 2006. “First Aid and Emergency Care”., Sistem Printing, Göktuğ Printing, Istanbul.  • KOCATÜRK, C., 2005. “First Aid Book Arranged According to the New Guide”., Tümer Education Publishing Co. Ltd., Ohan Printing, 4th Edition, Istanbul.  • SABUNCU, N., AKÇA AY, F., 2010. Clinical Skills, Nobel Medical Bookstore.  • BİROL, L., 2002. Nursing Process, Etki Publishing.  • GORGULU, S.R., 2002. Physical Examination Methods for Nurses, Ankara, Tasarım Ltd.  • UCAN, S., CELIKLI, S., BARUŞ, U.N., ERSOY, G., 2000. Paramedic, Dokuz Eylul University Publications.  • CEM, M., TURKES, M., OZCAN, U., 2005. First aid training handbook, Aktuel Publishing.  • MORAY, G., BILGIN, N., 2004. First aid in trauma. Haberal Education Foundation. |
| **Statistic-II** |
| **Course Content:** Hypothesis Tests, Parametric Tests, Nonparametric Tests, Regression and Correlation, Statistical Methods Specific to Healthcare, Factor Analysis, Cluster Analysis, Covariance Analysis, Canolical Correlation Analysis, Reliability Analysis.  **Textbook and recommended resources:**  • SUMBULOGLU, K., SUMBULOGLU, V. 2007. Biostatistics., Hatipoglu Publications, 299pp.  • UNVER, O., GAMGAM, H. 1999. Applied Statistics., Siyasal Bookstore, Ankara, 413pp.  • KARAGÖZ, Y. 2015. Biostatistics, Nobel Publications, 2nd Edition, 744pp. Ankara.  • SOKAL, R.R. and ROHLF, F.J. 1995. Biometry. Third Edition, New York, 887pp.  • KALAYCI, Ş. 2010. SPSS Applied Multivariate Statistical Techniques. Asil Yayın Dağıtım, 5th Edition, 426 p., Ankara |
| **Team Leadership** |
| **Course Content:** Leadership Characteristics, Creating Team Spirit and Integration with the Team, Developing Command Skills, Creating Shared Vision and Goal, Inspiring and Motivating Others, Making Fast and Correct Decisions in Complex Situations, Giving Importance to Getting Results, Strategy Design and Implementation**.**  **Course Book and recommended resources:**  • BALTAŞ, A., 2000. Teamwork and Leadership, Remzi Bookstore.  • WEİSS H.D (1993): Creating a Successful Team, Rota Publishing Production Promotion Trade Co. Ltd., Istanbul.  • ERDOĞAN İ (1999): Organizational Behavior in Business Management, Dönence Printing and Publishing Services, Istanbul.  • SCOOT M (1997): (Translator: Aslı Çevik) Time Management, Rota Publishing Production Promotion Trade Co. Ltd., Istanbul. |
| **Ecology** |
| **Course Content:** General Definitions related to Ecology. Energy flows in ecosystem. Matter cycles. Marine and terrestrial ecosystems. Eutrophication. Succession, Community, Ecosystem, Population ecology, General view of ecological problems.  **Textbook and recommended sources:**  • F. BERKES, M. KIŞLALIOĞLU, Ecology and Environmental Sciences, Remzi Bookstore, Istanbul, 1990  • MAHMUT KILINÇ, H. GÜRAY KUTBAY, Plant Ecology, 2003, 432  • JANE B.R., LISA A.U., MİCHAEL L.C., STEWEN A. W., PETER, V.M. AND ROBERT B. J. CAMBELL Biology, Nine Edition, 1263 pp. |
| **Atatürk's Principles and History of Revolution II** |
| **Course Content**: Revolutions within the country during the Republic period since the Lausanne Peace Talks, foreign policy and Atatürk's principles until 1938.  **Textbook and recommended sources:**  • KILINÇKAYA, D., 2004. (ed) Atatürk and the History of the Republic of Turkey. Siyasal Kitabevi, Ankara.  • AHMAD F., 1995. The Formation of Modern Turkey, Istanbul.  • ATATÜRK'S SPEECHES AND STATEMENTS, 1981. 3 volumes, Ankara.  • ATATÜRK'S CIRCULAR TELEGRAPH AND DECLARATIONS, 1964. 4 volumes, Ankara.  • BAYUR, Y. H., 1991. History of Turkish Revolution, 10 volumes, Ankara.  • BERKES, N., 1978. Modernization in Turkey, Ankara.  • KARPAT, K. H., 1967. History of Turkish Democracy, Istanbul.  • LEWIS, B., 1984. The Birth of Modern Turkey, Ankara, 2nd Edition.  • MUMCU, A., 1974. The Foundations and Development of the Turkish Revolution in Terms of History, Ankara.  • SAFA, P.,1988. Views of the Turkish Revolution, Istanbul.  • ZÜRCHER, E. J., 1999. The History of Modernizing Turkey, Istanbul.  • YALÇIN, S., 2004. History of the Turkish Revolution and Atatürk's Principles, Siyasal Publishing House, Ankara.  • ARMAOĞLU, F., 1992. 20 Centuries of Political History (1914–1980), Ankara.  • KÜRKÇÜOĞLU , Ö., 1990. Atatürk's Principles and History of Turkish Revolution, YÖK Press, Ankara. |
| **Disaster Protection** |
| **Course Content:** Natural disasters, disaster protection methods, disaster control in the built environment, disaster management regulations and institutions that prepare them in the built environment, post-earthquake damage detection and intervention methods, project readings on fire and earthquake regulations and interior architecture project applications.  **Textbook and recommended resources:**  • PATTERSON J., 1993. Simplified design for building fire safety, Wiley, New York.  • LATHROP, J.K., 1988. Life safety code handbook, National Fire Protection Assoc Quincy, Mass. |
| **Phonetic Diction** |
| **Course Content:** Communication tools and verbal communication, The need for speech and basic elements of speech, The structure and elements of the language used, Language and expression characteristics, The importance of beautiful and correct speech, The qualities of beautiful speech, Factors affecting beautiful speech, Rules to be applied, Use of language, The art of beautiful speech, The place and importance of diction, Tone and harmony of voice, Use of body language, Beautiful speech in front of the society,  **Coursebook and recommended sources:**  **•** KONAK, M., ADA S., AND SELÇUKER N., DOĞRU, Beautiful and Effective Speech Diction, Kitap Dostu Publications, 2nd Edition, Istanbul, 2010. |
| **Medical Geology** |
| **Course Content:** Definition and importance of medical geology; Health risks of gases (methane gas, styrene gas, nitrogen and sulfur); Health risks caused by heavy metal elements; Water pollution by natural means and health risks.  **Textbook and recommended resources:**  • MEDICAL GEOLOGY (Effects of Geological Environments on Human Health) 498p, TMMOB JMO translations No:2.  • ATABEY E., 2005. Medical Geology. |
| **Meteorology** |
| **Course Content:** Introduction to meteorology, sections of meteorology, structure and properties of the atmosphere, meteorological elements, atmospheric pressure, winds, temperature, humidity, evaporation, precipitation and its types, frontal systems, air masses, meteorological stations and their properties, instruments used in meteorological stations and their properties, phenology and agricultural climatology, relationships between meteorological elements and plant development.  **Textbook and recommended sources:**  • ÖZYUVACI, N., 1999. Meteorology and Climatology, Istanbul University Faculty of Forestry Publications: 460, Istanbul.  • ÖZGÜREL, M. AND G.P. MENGÜ, 2005. Agricultural Meteorology, Ege University Faculty of Letters Publications: 567, Izmir. |
| **Guided Study I** |
| **Course Content:** Determining the Research Topics of the Groups, Project Preparation Techniques, Literature Review, Accessing Resources, Report Preparation Techniques, Presentation Techniques with Power Point, Meeting with Project Groups  **Textbook and Recommended Resources:**  • TIMUR M, ÇAĞILTAY F. (2008). Project Preparation Technique. Nobel Press Publication. Ankara  • GİRAY, A. (1993). Project Preparation and Evaluation Methods. Second Edition, Gazi Office Kit. Ankara  • ERKUŞ, A., & REHBER, E. (1998). Project Preparation Technique. Ankara University Faculty of Agriculture Publications, (1496). Ankara. |
| **Tecnology Use In Disasters** |
| **Course Content: D**evelopments in information technologies and types of information technologies such as unmanned aerial vehicles, robotics, simulation and imaging technologies, and CBRN technologies.  **Textbook and recommended resources:**  • WENZEL, F., & ZSCHAU, J. (2014). Early Warning for Geological Disasters. RANA, S.,  • RANA, S., & SHARMA, J. (2006). Frontiers of geographic information technology. Berlin: Springer. |
| **Fire Truck Equipment Information and Firefighting** |
| **Course Content:** Personal Protective Equipment, Firefighting tools, rescue equipment, first aid equipment, technical assistance equipment, emergency aid equipment, safety equipment, hazardous materials response equipment, response vehicles, rescue vehicles, support vehicles, NBC (Nuclear, Biological, Chemical) control vehicles, NBC decontamination vehicles, crisis management tools.  **Textbook and recommended resources:**   * FORD, T. M., & FIREFIGHTERS, N. F. (2016). Fire and Emergency Services Safety & Survival,Pearson. * GREENBERG, A. S. (2014). Cause for Alarm: The Volunteer Fire Department in the Nineteenth-Century City. Princeton University Press. * BAŞKANLIĞI, İ. B. B. İ. D. (2015). Yangın ve Kazalarla Mücadele Eğitim Kitabı. |
| **Pharmacology:** |
| **Course Content:** General definition and concepts of pharmacology, pharmacokinetics and pharmacodynamics, toxic effects of drugs, chemotherapeutics, respiratory system drugs, digestive system drugs, drugs affecting kidney function and fluid-electrolyte balance, drugs affecting endocrine functions, nutrition pharmacology, cardiovascular system drugs, autonomic nervous system drugs, central nervous system drugs, analgesics, and anesthetics.  **Textbook and recommended resources:**   * KARA, H., 2007. Farmakoloji, Göktuğ Basın Yayın Dağıtım ve Pazarlama, Elazığ. * KAYAALP, O., 2005. Tıbbi Farmakoloji, Hacettepe Taş Kitapçılık, Ankara. |
| **Physical Education and Bodybuilding I** |
| **Course Content:** Development of the cardiovascular system (oxygen system), low-intensity endurance runs, general principles of body development, principles and rules for using a sports center, general strength training, definition and content of strength and endurance.  **Textbook and recommended resources:**   * HODGSON, D. R., MCKEEVER, K. H., & MCGOWAN, C. M. (2014). The athletic horse: principles and practice of equine sports medicine. Elsevier Health Sciences. * GÜNAY, M., TAMER, K., & CICIOĞLU, İ. (2010). Spor fizyolojisi ve per. ölçümü. Gazi Kitabevi. * ACAR, M. F. (2001). Kuramsal boyutuyla antrenman bilimi el kitabı. Meta Basım, İzmir. * COSTILL, D. (1986). Inside running: basics of sports physiology. Benchmark Press |
| **Trauma and Resuscitation** |
| **Course Content:** General information about trauma and resuscitation, scene evaluation and patient transport, general evaluation of polytrauma patients, airway management, head trauma, thoracic trauma, abdominal trauma, pelvic trauma, spinal cord trauma, extremity trauma, burns and frostbite, pediatric trauma, trauma during pregnancy, legal responsibility in trauma, eye trauma, trauma scores, triage scenarios.  **Textbook and recommended resources:**   * VOIGLIO, E. J., PRUNET, B., PRAT, N., & DAVID, J. S. (2017). Damage control resuscitation. In Damage Control Management in the Polytrauma Patient (pp. 57-70). Springer International Publishing. * BROWNER, B. D., JUPITER, J. B., KRETTEK, C., & ANDERSON, P. A. (2014). Skeletal Trauma E-Book. Elsevier Health Sciences. * SİVRİKOZ, E., GÖK, A. F. K., & YANAR, H. (2014). Travmaya Yaklaşım ve Yenilikçi Gelişmeler. Turkiye Klinikleri Journal of General Surgery Special Topics, 7(3), 65-68. |
| **Occupational Health and Safety I** |
| **Course Content:** Historical development of occupational health and safety, law No. 6331 on occupational health and safety, definition, causes, and prevention of work accidents, management of work accidents in the health sector, hazard and hazard types, risk assessment, safety culture, physical risk factors, chemical risk factors, biological risk factors, psychosocial risk factors, personal protective equipment, health and safety signs.  **Textbook and recommended resources:**   * SCHİLLİNG, R.S.F., 1981. Occupational Health Practice, London. * ENCYCLOPEDİa of Occupational Health and Safety-ILO, 1997. * LEVY, B.S., WEGMAN, D.H.,2000. Occupational Health, 4th ed. * SNASHALL, D., PATELL, D., 2004. ABC of Occupational and Environmental Medicine, Second Edition, BMJ publishing Book. * WALDRON, H.A., EDLİNG, C., 2004. Occupational Health Practice, 4th ed. * LADOU, J., HARRİSON, R.,2007. Current Occupational and Environmental Medicine, 5th ed, Mc Graw Hill. * GUİDOTTİ, T.L., 2011 Global Occupational Health. New York, Oxford University Press. * DETELS, R., BEAGLEHOLE, R., LANSANG, M.A., Gulliford, M., 2011. Oxford Textbook of Public Health, 5th Edition. (Eds) Oxford University Press. * BİLİR, N.,YILDIZ, A.N., 2013. Halk Sağlığı Temel Bilgiler, İçinde: İş Sağlığı, Hacettepe Üniversitesi Yayınları. |
| **Emergency and Disaster Psychology** |
| **Course Content:** Concept of psychology in emergencies and extraordinary situations, psychosocial support and intervention in disasters, characteristics and types of traumatic life events and disasters.  **Textbook and recommended resources:**   * BLAIKIE, P., CANNON, T., DAVIS, I., & WISNER, B. (2014). At risk: natural hazards, people's vulnerability and disasters. Routledge. * MITCHELL, D. (2014). Crises, conflict and disability: ensuring equality. Routledge. * LI, S. M., LI, X. R., YANG, D., & XU, N. W. (2016). Research progress in disaster nursing competency framework of nurses in China. Chinese Nursing Research. * TÜRK KIZILAY DERNEĞI (2008). Afetlerde Psikososyal Destek Uygulama Rehberi, Türk Kızılay Derneği yayını * İSTANBUL VALILIĞI İL AFET VE ACIL DURUM MÜDÜRLÜĞÜ (2009). Afetlerde Psikolojik Yardım El Kitabı, İstanbul Valiliği İl Afet ve Acil Durum Müdürlüğü yayını İstanbul |
| **Pathology** |
| **Course Content:** Inflammation – causes, pathogenesis, inflammatory cells and their course, classification and naming of inflammations, healing of damaged tissues, anomalies, circulatory disorders (hyperemia, anemia, bleeding, shock), circulatory disorders (thrombosis, embolism, infarction, edema, dehydration), necrosis, disease causes and responses to infection – physical and chemical causes, disease causes and responses to infection – biological disease causes, nutritional diseases, degenerations, and metabolic disorders, pigments, crystals, and mineral deposits, disorders of cell growth and differentiation, immunopathology.  **Textbook and recommended resources:**   * KUMAR, V., ABBAS, A. K., & ASTER, J. C. (2017). Robbins Basic Pathology E-Book. Elsevier Health Sciences. * PATTERSON, J. W. (2014). Weedon's Skin Pathology E-Book. Elsevier Health Sciences. * KUMAR, VINAY (2000), Temel Patoloji, İstanbul, Nobel Tıp Kitabevi * GOODMAN, C. C., & FULLER, K. S. (2014). Pathology-E-Book: Implications for the Physical Therapist. Elsevier Health Sciences. |
| **Poisonous Creatures of Turkey** |
| **Course Content:** Classification of living organisms, characteristics of fungi and poisonous fungi, first precautions for mushroom poisoning, basic characteristics of plants, poisonous plants and precautions for plant poisoning, characteristics of invertebrate animals, bites from scorpions, ticks, etc., preventive measures, characteristics of vertebrates, dangerous vertebrate animals.  **Textbook and recommended resources:**   * ZEİBİG, E. (2014). Clinical Parasitology-E-Book: A Practical Approach. Elsevier Health Sciences. * Hendrix, C. M., & Robinson, E. D. (2016). Diagnostic Parasitology for Veterinary Technicians-E-Book. Elsevier Health Sciences. * TAYLOR, S. L., & HEFLE, S. L. (2017). Naturally occurring toxicants in foods. In Foodborne Diseases (Third Edition) (pp. 327-344). * DEMİRSOY, D. A. (2011). Invertebrate Animals “Omurgasız Hayvanlar, Invertebrate Animals. * SAYGI, G. (1998). Temel tıbbi parazitoloji. Esnaf ofset matbaacılık |
| **Earthquake Geology** |
| **Course Content:** Earthquakes, earthquake mechanisms, geological features of earthquakes, earthquake zones in the world and Turkey.  **Textbook and recommended resources:**   * HOPPE, A. (ED.). (2015). Catastrophes: Views from Natural and Human Sciences. * SPRİNGER. ATKİNSON, B. K. (Ed.). (2015). Fracture mechanics of rock. Elsevier. * CEMEN, I., & YİLMAZ, Y. (EDS.). (2017). Active Global Seismology: Neotectonics and Earthquake Potential of the Eastern Mediterranean Region (Vol. 225). John Wiley & Sons. * ROBERT S. YEATS, KERRY SİEH, CLARENCE R. ALLEN (2006). Deprem Jeolojisi, Seçkin Kitapevi. |
| **Quality Management in Healthcare Services** |
| **Course Content:** Quality in healthcare services, importance of continuous quality improvement, customer perceptions, basic quality improvement tools, quality improvement teams, basic quality improvement models, importance of strategic quality management, external quality improvement methods.  **Textbook and recommended resources:**   * DONALD M. BERWİCK, A. BLANTON GODFREY, AND JANE ROESSNER. Curing Health Care. Jossey-Bass Inc., Publishers, San Francisco, California, * ELLEN J. GAUCHER, RİCHARD J. COFFEY. Total Quality in Healthcare. Jossey-Bass Inc., Publishers, San Francisco, California, |
| **Basic Structure and Building Information** |
| **Course Content:** Types of buildings, building elements, residential structures, industrial structures, military structures, transportation structures, water structures, structures based on load-bearing systems (masonry, frame, steel construction, prefabricated), building materials, types of building materials according to their use, detailed materials, load-bearing materials, composite materials, fire resistance properties of building materials.  **Textbook and recommended resources:**   * RUMELHART, D. E. (2017). Schemata: The building blocks. Theoretical issues in reading comprehension: Perspectives from cognitive psychology, linguistics, artificial intelligence and education, 11, 33. * ELGHAZOULİ, A. (ED.). (2016). Seismic design of buildings to Eurocode 8. CRC Press. * PRASAD, D., & SNOW, M. (2014). Designing with solar power: a source book for building integrated photovoltaics (BiPV). Routledge. |
| **Scientific Principles of Technology** |
| **Course Content:** Material properties, kinematics, balance, fluids, waves and sound, static electricity, electrical potential, current and resistance, capacitance and capacitors, direct current circuits, magnetism, electromagnetic induction, alternating current circuits, reflection and refraction of light.  **Textbook and recommended resources:**   * DE MOLA, J. R. L. (2014). Principles and practice of assisted reproductive technology. Fertility and Sterility, 102(2), 610. * ORHUN Ö. (2007) Teknolojinin Bilimsel ilkeleri. Nobel yayın Dağıtım, İstanbul |
| **Research Methods** |
| **Course Content:** What is science? Emergency Aid and Disaster Management (EADM) discipline and research, importance of EADM research, purpose of EADM research, what EADM research is, history, present, and future of EADM research, ethics in EADM research, research process, qualitative and quantitative approaches in EADM research, research problems, research questions, and hypotheses, research design, quantitative research (descriptive, analytical, quasi-experimental, experimental, methodological), qualitative research, report writing.  **Textbook and recommended resources:**   * SÜMBÜLOĞLU, V., SÜMBÜLOĞLU, K., 1999. “Sağlık Bilimlerinde Araştırma Yöntemleri, Hatiboğlu Yayınevi, Ankara. * GÜVENER, A., “Bilimsel Makale Yazım Kılavuzu” Türkiye Klinikleri Dergisi, hekimler Birliği vakfı, Ankara . * ULUSOY, F., UÇAR, H., 2002. “Araştırma Etiği”, Ankara. * EREFE, İ., 2002. Hemşirelikte Araştırma İlke, Süreç ve Yöntemleri. İstanbul. * AKSAKOĞLU, G., 2001. Sağlıkta Araştırma Teknikleri ve Analiz Yöntemleri, Dokuz Eylül Üniversitesi Yayın Komisyonu, DE Üniv. Rektörlük Matbaası. * AKDUR, R., 1996. Sağlık Bilimlerinde Araştırma ve Tez Yapma Rehberi, Ankara. * YILDIRM, A., 2000. Sosyal Bilimlerde Nitel Araştırma Yöntemleri, Seçkin Yayıncılık, Ankara. |
| **Fire Response Techniques and Safety** |
| **Course Content:** Headquarters operations, planning access to residential areas, risk determination, preparation of equipment, tools, materials, and personnel, evaluating calls (reports), formation and assignment of teams, dispatch and transportation of resources, on-site operations.  **Textbook and recommended resources:**   * BUCHANAN, A. H., & ABU, A. K. (2017). Structural design for fire safety. John Wiley & Sons. * BERNARDINI, G. (2017). Introduction. In Fire Safety of Historical Buildings (pp. 1-5). Springer, Cham. * RUBINSTEIN, R. A. (2015). Peacekeeping under fire: Culture and intervention. Routledge. * KILIÇ, A. (2008). Betonarme ve Çelik Yapılarda Yangın Güvenliği.. * AKKAPLAN, S., & ŞEKER, U. (2001). İş Yerlerinde Yangın Güvenliği. İş Sağlığı-İş Güvenliği Kongresi Bildiriler Kitabı, 19-36.YENIÇERI Ö. ve DEMIREL Y. 2011. Yönetimde Birey ve Örgüt Odaklı Davranışlar, Ekin Kitabevi Yayınları |
| **Physical Education and Bodybuilding II** |
| **Course Content:** Definition of training, principles of training planning, training periods, endurance training and methods, strength-endurance, basic conditioning.  **Textbook and recommended resources:**   * HAWKINS, B. J., CARTER-FRANCIQUE, A. R., & COOPER, J. N. (2016). Critical Race Theory. Palgrave Macmillan * NELSON, L., GROOM, R., & POTRAC, P. (Eds.). (2014). Research methods in sports coaching. Routledge. * CANDAN, N., & DÜNDAR, U. (1996). Atletizm teorisi. |
| **Directed Study II** |
| **Course Content:** Concept of volunteering and comparison of global practices, volunteering in Turkey and challenges encountered.  **Textbook and recommended resources:**   * AKMAN, N., İSKENDER, H., KADIOĞLU, M., KAPDAŞLI, I., & Ural, D. (2001). Gönüllü Kaynakların Geliştirilmesi, İTÜ Afet Yönetim Merkezi. * TIMUR M, ÇAĞILTAY F. (2008). Proje Hazırlama Tekniği. Nobel Basın Yayın. Ankara * GİRAY, A. (1993). Proje Hazırlama ve Değerlendirme Yöntemleri. İkinci Basım, Gazi Büro Kitabevi. Ankara * ERKUŞ, A., & REHBER, E. (1998). Proje Hazırlama Tekniği. Ankara Üniversitesi Ziraat Fakültesi Yayınları, (1496). Ankara |
| **Occupational Health and Safety II** |
| **Course Content:** Scope, historical development, components, occupational health team, workforce, ethics in occupational health, sensitive groups, country-specific and international priorities.  **Textbook and recommended resources:**   * CHİLLİNG, R.S.F., 1981. Occupational Health Practice, London. * ENCYCLOPEDİA OF Occupational Health and Safety-ILO, 1997. * LEVY, B.S., WEGMAN, D.H.,2000. Occupational Health, 4th ed. * SNASHALL, D., PATELL, D., 2004. ABC of Occupational and Environmental Medicine, Second Edition, BMJ publishing Book. * WALDRON, H.A., EDLİNG, C., 2004. Occupational Health Practice, 4th ed. * LADOU, J., HARRİSON, R.,2007. Current Occupational and Environmental Medicine, 5th ed, Mc Graw Hill. * GUİDOTTİ, T.L., 2011 Global Occupational Health. New York, Oxford University Press. * DETELS, R., BEAGLEHOLE, R., LANSANG, M.A., GULLİFORD, M., 2011. Oxford Textbook of Public Health, 5th Edition. (Eds) Oxford University Press. * BİLİR, N.,YILDIZ, A.N., 2013. Halk Sağlığı Temel Bilgiler, İçinde: İş Sağlığı, Hacettepe Ünivers. Yayınları. * BİLİR, N.,YILDIZ, A.N., 2014. İş Sağlığı ve Güvenliği, Hacettepe Üniversitesi Yayını. * İŞ SAĞLIĞI VE GÜVENLİĞİ Mevzuatı, www.mevzuat.gov.tr. |
| **Disaster Response Plan** |
| **Course Content:** Roles and responsibilities of service groups and coordination units involved in disaster and emergency response efforts, basic principles of intervention planning before, during, and after a disaster.  **Textbook and recommended resources:**   * MCENTIRE, D. A. (2014). Disaster response and recovery: strategies and tactics for resilience. John Wiley & Sons. * AFET, T. B., & BAŞKANLIĞI, A. D. Y. (2013). Türkiye Afet Müdahale Planı (TAMP). TC Başbakanlık Afet ve Acil Durum Yönetimi Başkanlığı Yayınları, Ankara. * ERKAL, T., & DEĞERLIYURT, M. (2009). Türkiye’de afet yönetimi. Doğu Coğrafya Dergisi, 14(22). * AFET, T. B. Acil Durum Yönetimi Başkanlığı Türkiye Afet Müdahale Planı-2013 (TAMP-2013). |
| **Mountaineering** |
| **Course Content:** Technique and theory of mountaineering.  **Textbook and recommended resources:**   * SEİFERT, L., WOLF, P., & SCHWEİZER, A. (2016). The Science of Climb. and Moun.. Taylor & Francis. * MACDONALD, D. (2016). Accidents in North American Mountaineering 2015. * GRAYDON, D., HANSON, K., & FINDIK, T. (2005). Dağcılık: zirvelerin özgürlüğü. Homer Kitabevi. |
| **Modern Management Techniques** |
| **Course Content:** Evolution of management science and examination of management approaches from a strategic perspective.  **Textbook and recommended resources:**   * BEDÜK, A. (2011). Modern Yönetim Teknikleri, Gazi Kitabevi, Ankara * PARLAK, B. (2011). Yönetim bilimi ve çağdaş yönetim teknikleri. Beta Basım Yayım Dağıtım. |
| **Basic Organic Substances** |
| **Course Content:** Scope of biochemistry, concept of life and cells, interaction of biomolecules in aqueous environments, amino acids, peptides and protein structure, protein function: hemoglobin and myoglobin, enzymes, enzyme kinetics, lipid structure and function, carbohydrate structure and function, nucleic acid structure and function, transfer of genetic information.  **Textbook and recommended resources:**   * GÜNER, S. 2007; Biyokimya-I, KTÜ Yayınları, Trabzon. * KEHA, E., KÜFREVİOĞLU, Ö.İ. 2004; Biyokimya, Aktif Yayınevi, Ankara. * NELSON, D.L., COX, M.M. , 2005; Lehninger Biyokimya İlkeleri, 3. Baskıdan Çeviri; Ed Kılıç, N., Palme yayınları, Ankara. * VOET, D., VOET, J.G., 2004; Biochemistry, 3. Baskı, John Wiley and Sons Inc., U.S.A**.** |
| **Bioterrorism** |
| **Course Content:** Identification of bio-crimes and threat elements, biological agents used for warfare purposes, their characteristics, classification, usage, key targets in bioterrorism, and the impact of bioterrorism on health.  **Textbook and recommended resources:**   * SAVARD, P., MAHAROM, P., & PERL, T. M. (2014, December). Bioterrorism. In Elsevier Inc.. * BORİO, L. L., HENDERSON, D. A., & HYNES, N. A. (2014). Bioterrorism: an overview. In Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases. Elsevier Inc.. |
| **Risk and Crisis Management** |
| **Course Content:** What is risk? Definitions. Hazard risk management model: diagnosing and managing topics, setting up a risk management network, establishing risk assessment criteria, determining policy, risk management and strategy, developing risk assessment criteria, identifying risks, recognizing hazards, identifying and diagnosing the community and environment. Sensitivity analysis: identifying risks, reassessing risk evaluation criteria, risk perception. Risk analysis: determining the probability and consequences, modeling techniques, physical, practical, mathematical, and perceptual aspects. Risk assessment: comparing risk levels with criteria, prioritizing risks based on risk levels, determining acceptable risks. Risk reduction: creating options, establishing criteria, selecting the optimal risk reduction method, insurance, risk-based decision making, timing and planning risk reduction. Consultation and communication: gathering information from the public—surveys, focus groups, stakeholder groups, communicating actions and plans to the public, creating public-private sector solidarity, managing and marketing risk reduction actions, monitoring and evaluation. Case studies: applying the risk reduction process to real-life scenarios. What is a crisis? Characteristics of a crisis, organizations and crisis management, crisis factors, crisis preparedness and protection, crisis management process, crisis resolution approaches, crisis management team and managers, public relations in crisis management.  **Textbook and recommended resources:**   * HOWARD T.1994. Employment Relations Today (Aktaran Aylin ÖZDEMİR), Kriz Yönetimi ve Halkla İlişkiler, Ege Yayıncılık, İzmir. * BOLGÜN E. 2009. Risk Yönetimi, Scala yayıncılık, İstanbul, 698s. |
| **Public Relations and Behavioral Sciences** |
| **Course Content:** History of public relations, public relations in the world and in Turkey, definition, objectives, and social responsibilities of public relations, management sciences and public relations, total quality management and public relations, relationship between public relations and crisis management, public relations tools and applications, media relations and disaster management, public relations in disaster management, propaganda, promotion, communication, organizational structure of public relations, qualities of a public relations expert, target audience in public relations, introduction to behavioral sciences, sociology, psychology, and anthropology in behavioral sciences, relationship between management sciences and behavioral sciences.  **Textbook and recommended resources:**   * 1.YAVUZ, C. 2011. Halkla İlişkiler. Detay Yayıncılık, İstanbul, 250s. * 2.BUDAK, G., 1995. Halkla İlişkiler (Davranışsal Bir Yaklaşım). Beta Basım Yayım, İstanbul. 247s. |
| **Rehabilitation in Emergency Aid** |
| **Course Content:** Ensuring that emergency response teams can work comfortably on-site, creating necessary order, coordinating between teams, directing individuals in need of emergency assistance to appropriate health centers, organizing post-disaster rehabilitation efforts.  **Textbook and recommended resources:**   * ÖZEL, G.,2016. İlk Yardım , Güneş Kitapevi, 144s. * MORAL, E.2016. İlk yardım, , İstanbul Tıp Kitapevi,163s. |
| **Electrical Installation Information** |
| **Course Content:** Knowledge of electrical installations and project information, basic concepts of electricity, electrical installation projects, materials used in electrical installations, grounding and techniques, fire and alarm installations, methods of protection against electrical hazards, protection from electrical dangers during disasters.  **Textbook and recommended resources:**   * Elektrik İç Tesisleri Yönetmeliği, Enerji ve Tabii Kaynaklar Bakanlığı Yayınları. * ÖZDEMİR, A., 2016. Elektrik Tesisat Bilgisi., Gece Kitaplığı Kitapevi, 128s. |
| **Basic Emergency Training and Vehicle Equipment Information I** |
| **Course Content:** Emergency planning, risk determination studies, necessary tools and materials for emergencies, and their characteristics, levels of emergency, hazard analysis, characteristics of tools used in emergencies, electrical vehicles.  **Textbook and recommended resources:**   * İTÜ,2001. Acil Durum Planlaması, Afet Yönetimi Merkezi. * ÖZDİKMEN, T., 2017. Acil Durum Yönetimi, , Seçkin kitapevi, 312s. |
| **CBRN** |
| **Course Content:** Information on hazardous chemical, biological, radiological, and nuclear substances and protection methods, hazardous chemical substances, hazardous biological substances, hazardous radiological substances, hazardous nuclear substances, CBRN protection equipment.  **Textbook and recommended resources:**   * AFAD., 2017.Uluslararası KBRN kongresi, Ankara. * AFAD., 2015. KBRN konferansı ve tatbikatı, Samsun. |
| **Site Selection in Disasters** |
| **Course Content:** Introduction of the course's goals and objectives, the importance of site selection in disasters, geological factors in site selection, the importance of earth sciences in settlement location selection, site selection for disaster stations and gathering centers, site selection for distribution centers within disaster logistics, establishment site selection for disaster stations.  **Textbook and recommended resources:**   * TAFT, P., & HAKEN, N. (2015). Introduction. In Violence in Nigeria (pp. 1-7). Springer, Cham. * GÜLKAN, P., BALAMIR, M., & YAKUT, A. (2003). Afet yönetiminin stratejik ilkeleri: Türkiye ve dünyadaki politikalara genel bakış. Orta Doğu Teknik Üniversitesi Afet Yönetimi Uygulama ve Araştırma Merkezi, 30-32. * ÖZMEN, B., NURLU, M., KUTERDEM, K., & TEMIZ, A. (2005). Afet yönetimi ve afet işleri genel müdürlüğü. Deprem Sempozyumu, 23-25. * ÇİÇEKDAĞI, H. İ., & KIRIŞ, Ş. (2012). Afet İstasyonu ve Toplanma Merkezi İçin Yer Seçimi ve Bir Uygulama. Dumlupınar Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 28, 67-76. |
| **Drone Use in Disasters** |
| **Course Content:** Drones and their applications, types of drones, cameras used in drones, drone usage in disasters, determining disaster areas with drones.  **Textbook and recommended resources:**   * KİLBY B. 2017. Drone kullanmaya başlarken, Aba Yayınları, 170s. |
| **Entrepreneurship** |
| **Course Content:** Conceptual framework, approaches, functions, process, entrepreneurship culture, functions of entrepreneurship, developing a business idea.  **Textbook and recommended resources:**   * ONAY M. 2017.Girişimcilik, Cinius yayınevi, 467s. * DURAK İ. 2017. Girişimcilik, , Ekin yayınları, 173s. |
| **Smart Polymers** |
| **Course Content:** Polymers, types of polymers, polymer chemistry, polymerization, monomers and polymers, preparation of polymer-based tissue engineering materials.  **Textbook and recommended resources:**   * SEÇKİN T. 2015. Polimer Kimyası, , Seçkin yayınları, 688s. * BASAN S. 2014. Polimer Kimyası, , Gazi Kitapevi,753s. |
| **Basic Photography** |
| **Course Content:** History of photography, related terminology, types of cameras, lenses, lighting information and types of light, exposure, and equivalency law.  **Textbook and recommended resources:**   * SÜTLÜOĞLU [M. 2013.](http://www.idefix.com/Yazar/muzaffer-sutluoglu/s=19061) Temel Fotoğraf ve Kompozisyon, , Umuttepe Yayınları, 390s. * FAZIL A. 1996. Temel Fotoğraf Bilgileri, , İnkılap Yayınevi, 118s. |
| **Disaster Protection, Prevention Techniques and Action Styles** |
| **Course Content:** Prevention, mitigation, and loss reduction efforts in disasters, risk determination efforts in disasters, communication with the public during disasters, prevention efforts in risk areas.  **Textbook and recommended resources:**   * 2001. Afetlerden Korunma, Afet Yönetim Merkezi Yayınları.. |
| **Professional Ethics** |
| **Course Content:** Definition of ethics, principles of beneficence, non-maleficence, respect for autonomy, justice, ethical and bioethical behaviors in extraordinary situations, medical ethics in war and armed conflicts, types of human rights violations, personal ethical behaviors.  **Textbook and recommended resources:**   * KOLÇAK M., Meslek etiği, Ekin basımevi. 288s. * ÇOBANOĞLU N., 2007., Tıp Etiği, Akademya Eğitim Yayınları., 286s. |
| **Basic Emergency Training and Vehicle Equipment Information II** |
| **Course Content:** Emergency planning, risk determination studies, necessary tools and materials for emergencies, risk reduction efforts during disasters, intervention action plan, hazard analysis.  **Textbook and recommended resources:**   * İTÜ,2001. Acil Durum Planlaması, Afet Yönetimi Merkezi. * ÖZDİKMEN, T., 2017. Acil Durum Yönetimi, , Seçkin kitapevi, 312s. |
| **Integrated Project** |
| **Course Content:** Common elements of projects, difference between project work and other work, project management, project management processes, characteristics of project management, project management phases, components of project management, project planning, division of work in integrated projects.  **Textbook and recommended resources:**   * MANİSALI, E. 2006. Proje Yönetimi, Ders Notları. * ERSOY. M.S.,2014. Proje Yönetimi, İmaj Yayıncılık, 280s. |
| **Educational Psychology** |
| **Course Content:** Basic concepts of educational psychology, concept of education, concept of psychology, subject and importance of educational psychology, main methods used in educational psychology, general overview of development integrity.  **Textbook and recommended resources:**   * SELÇUK, ZIYA (2008), Eğitim Psikolojisi, Ankara: Nobel Dağıtım * CÜCELOĞLU, DOĞAN (1998). İnsan ve Davranışı. İstanbul: Remzi Kitabevi. * ERDEN, MÜNIRE VE YASEMIN AKMAN (2004). Gelişim ve Öğrenme: Eğitim Psikolojisi. Ankara: Arkadaş Yayınevi. * ELGHAZOULİ, A. (ED.). (2016). Seismic design of buildings to Eurocode 8. CRC Press. * PRASAD, D., & SNOW, M. (2014). Designing with solar power: a source book for building integrated photovoltaics (BiPV). Routledge. |
| **Communication Management and Control** |
| **Course Content:** General and specific information on communication techniques and supervision methods in communication management, communication techniques, professional and social relations, self-awareness applications, passive behavior, aggression.  **Textbook and recommended resources:**   * DÖKMEN, Ü., 1996. İletişim Çatışmaları ve Empati., İstanbul: Sistem Yay. 363s. * CÜCELOĞLU, D., 2001. İnsan İnsana., Remzi Kitabevi, İstanbul, 253s. |
| **Animal Rescue** |
| **Course Content:** Animal rescue methods and tools used during these operations, general classification of animals, tools used in animal rescue operations, animal psychology, incorrect methods in animal rescue, animal rescue operations in Turkey.  **Textbook and recommended resources:**   * PATRİCK G., 2017. Hayvan kurtarma, Meav yayıncılık, 52s. |
| **Biomedical Materials** |
| **Course Content:** Molecular biology and genetics, drug delivery systems, biomechanics, physiological signals, molecular biology, drug delivery systems, materials science.  **Textbook and recommended resources:**   * MERT, A., ve diğ., 2017. Biyomedikal Mühendisliğinin Temelleri, Nobel Akademik Yayıncı, 782s. * KHANDPUR, R.S, 2004. Biomedical Instrumentation: Technology and Applications, McGraw-Hill Professional, New York. * BRONZİNO J.D., 2006. Medical Devices and Systems (The Biomedical Eng. Hand.) Florida, USA. |
| **Protocol Information** |
| **Course Content:** Importance, development, reasons for need, necessity, types, examples, protocol rules and importance in the secretarial profession, significance in the secretarial profession, vehicle protocol, meeting protocol.  **Textbook and recommended resources:**   * TOPUZ, Ç., 2009. Protokol Bilgisi, Gazi Kitabevi, Ankara, 174s. * AYTÜRK, N., 2008. Protokol Bilgisi, Nobel Yayın Dağıtım, Ankara, 288s. * MISIRLI, İ., 2016. Sosyal Davranışlar ve Protokol Bilgisi, Detay Yayıncılık, Ankara,306s. |
| **Human Rights and Democracy** |
| **Course Content:** Basic concepts, historical development of democratic thought, principles and institutions of democracy, elections and representation, political parties, pluralism and participation, meanings of the concepts of rights, freedom, and equality, the rule of law, foundations and types of international protection, historical development of democratization movements in Turkey.  **Textbook and recommended resources:**   * GÜLMEZ, M. 1996. İnsan haklarının uluslararası korunması, Todaie yayınları, Ankara. ŞAYLAN, * G. 1998. Demokrasi ve demokrasi düşüncesinin gelişimi, Todaie yayınları, Ankara. * GÜLMEZ, M. 1996. İnsan haklarının uluslararası korunması, Todaie yayınları, Ankara, * ŞAYLAN, G. 1998. Demokrasi ve demokrasi düşüncesinin gelişimi, Todaie yayınları, Ankara. |