

	Faculty/Institute/School	Department/Program	Course name	Course Hours		ECTS	Term	Content
				Theory	Practice			
1	Burdur Health Services Vocational School	Department of Medical Services and Techniques Anesthesia Program	Parenteral Therapy Principles	2	0	2	1st Semester-Fall	Introduction to parenteral treatment principles, Preparation of medications, Parenteral medications administration routes, IV fluid therapy, Taking a blood sample, CVP catheter insertion and caring, Catheter types, Basic eECG, ECG record, Inserting and removing a urine catheter , Taking arterial blood gas sample
2	Burdur Health Services Vocational School	Department of Medical Services and Techniques Anesthesia Program	First Aid	2	0	2	2nd Semester- Spring	Definition of health and factors affecting health, General First Aid Information, Assessment of Patient/Wounded and Incident Location, Basic Life Support and First aid in Drowning, Bleeding, Injury, Burn, Freezing, Broken, Dislocation and Sprain Poisoning, Patient / Injured Transportation Techniques
3	Burdur Health Services Vocational School	Department of Medical Services and Techniques Anesthesia Program	Resuscitation	4	0	6	2nd Semester- Spring	Basic life support for infants Basic life support children Adult basic life support Attached to a solid object drownings in first aid and emergency Maintenance - Baby Attached to a solid object drownings in first aid and emergency Maintenance-Child Attached to a solid object drownings in first aid and emergency Maintenance-Adult Oxygen therapy In Oksijentedavi Kullanilarac Provide Respiratory Support. Intubation Airway Opening Techniques Basic life support Course description: introduction, objectives and learning objectives Defibrillation and cardioversion

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1	Institute of Science	Biology	Phylogeography and Ecological niche modeling	2	2	6	2nd Semester Spring	Türleşme (allopatrik, simpatrik, vikaryans , dispersal), plaka tektoniği ve popuasyon izolasyonları, Milankoviç salınımı, iklimsel dalgalanmalar ve buzul verileri, popülasyonlarda yayılış değişimleri ve ekolojik niş radyasyonu, güncel veri ile popülasyonların geçmişi ve gelecek yayılış değişimlerinin tahmini, biyolojik-coğrafik plakaların (biolayers) incelemesi, ArcGIS ve MAXENT programlarının kullanımı
2	Institute of Science	Biology	Preparation of genomic libraries and sequencing technologies	2	2	6	2nd Semester Spring	Processing of new generation sequencing methods with laboratory process and sequencing method and obtained data shapes
3	Institute of Science	Biology	Use of high-performance computing clusters and RADseq data analysis	2	2	6	2nd Semester Spring	The use of high-performance computing (HPC) clusters for the analysis of large amounts of DNA sequence data, organizing GBS and ddRADseq data in HPC-clusters and making them suitable for phylogenetic and population genetic analysis. Teaching Linux commands, teaching the analysis of GBS and ddRADseq data on the TRUBA HPC-cluster with the STACKS program.
4	Institute of Health Sciences	Health and Biomedical Sciences	Regulation of Gene Expression	3	0	4	2nd Semester Spring	Students will learn concepts related to population and population genetics. Then, what is the Hardy-Weinberg Equilibrium and what are its conditions? What are the factors that cause microevolution? What is the source of new alleles in any population? They will be able to answer questions such as. It is aimed to identify the mechanisms that change allele frequency and to reinforce these mechanisms with projects by creating field studies and field scenarios.
5	Institute of Health Sciences	Health and Biomedical Sciences	Geometric morphometry	3	2	5	All Semester	Methods used to reveal the degree of similarity and difference of living things, classical morphometry, geometric morphometry, definitions and selections of taxonomic characters; revealing groupings among taxa; landmarks; fostering relationships; computer applications in numerical taxonomy; use of different computer programs (tps, morphoJ, R etc.)
9	Burdur Vocational School of Health Services	First and Emergency aid	Clinical Biochemistry	2	0	2	1st Semester Fall	Definition and importance of biochemistry, basic organic substances and their structures, functions and chemical properties, biochemical pathways and their functioning, laboratory applications related to introductory reactions. Lecture, question - answer, problem solving, travel - observation, laboratory (experiment) methods and brain storm, demonstration, individualized teaching, programmed teaching, computer-assisted teaching techniques.
7	Burdur Vocational School of Health Services	First and Emergency aid	Vocational Foreign Language I (English)	2	0	2	2nd Semester Spring	This course aims to provide students with English reading, writing, listening and spoken language skills at the beginner (A1-A2) level. This course includes basic English grammar as well as teaching reading comprehension, writing, listening comprehension and speaking skills.
8	Burdur Vocational School of Health Services	First and Emergency aid	Immunology	2	0	2	2nd Semester Spring	Antigen, primary barriers, innate immune system, antigen presenting cells, cytokines, cytokine storm, immunization and immunity, adaptive immune system, somatic hypermutations, V(D)J recombinations, lymphoid organs, B lymphocyte differentiation, T lymphocyte differentiation, monoclonal antibody technology
9	Burdur Vocational School of Health Services	First and Emergency aid	Vocational Foreign Language II (English)	2	0	2	3rd Semester Fall	This course aims to provide students with English reading, writing, listening and spoken language skills at the beginner (A1-A2) level. This course includes basic English grammar as well as teaching reading comprehension, writing, listening comprehension and speaking skills.
10	Burdur Vocational School of Health Services	First and Emergency aid	Medical Genetics	2	0	2	2nd Semester Spring	Chromosome structure and functions, cell division, Mendelian genetics and inheritance principles, mitosis and meiosis, chromosomal disorders and diseases, DNA and RNA structure, RNA types and functions, DNA replication, transcription and translation, organization in eukaryotic genes, organization in prokaryotic genes LAC operon , alternative splicing, DNA mutations and their relationship with diseases

