

**ISTINYE UNIVERSITY**  
**VOCATIONAL SCHOOL OF HEALTH SERVICES**  
**DEPARTMENT OF FIRST AID AND EMERGENCY**  
**COURSE DESCRIPTIONS**

**1<sup>st</sup> SEMESTER**

**Emergency Patient Care I | 5 ECTS**

Emergency approach and injuries according to trauma and environmental factors teaching procedures to be applied.

**IAY112- Emergency Health Services | 5 ECTS**

Emergency health services legislation and organization structure in Turkey, communication and security in emergency services and ambulances, teaching authority and responsibilities of paramedics.

**IAY113- Anatomy I | 3 ECTS**

To give information about the anatomical structure and properties of human body.

**IAY114- Medical Terminology | 3 ECTS**

With this course, students will be able to understand the meanings, They will be able to easily understand and use these terms in their professional and everyday life.

**IAY115- Biochemistry | 3 ECTS**

Teaching the structure and organization of molecules and basic biochemical mechanisms.

**ATA111- Ataturk's Principles And History Of Turkish Revolution I | 2 ECTS**

Teaching the military, political, economic and social events of the Ottoman Empire in the internal and external politics, the struggle for national liberation and the formation of the new Turkish Republic.

**ING111- English I | 2 ECTS**

Students will understand English effectively and use basic grammar of English rules. Through this course, students will be able to interpret simple dialogues in English and use the new structures and words they have learned in their daily lives.

### **TURK111- Turkish Language I | 2 ECTS**

To give information about language definition, role and importance in communication, verbal and written expression techniques in literary and scientific fields, writing rules and expression disorders.

### **MSE111- Occupational Ethics | 3 ECTS**

This course will help students learn about the ethical concept and health professional ethics and find solutions to the problems they face in their professional life.

### **Medical Biology | 2 ECTS**

The aim of this course is; general concepts and functions of cell and hereditary material genetic mechanisms.

## **2<sup>nd</sup> SEMESTER**

### **IAY121- Emergency Patient Care II | 5 ECTS**

Apply first evaluation techniques, make first assessment of patient or injury, make second evaluation of patient or injury, apply second evaluation techniques, apply urgent care in respiratory tract, apply urgent care to a patient with chest pain, perform urgent care in nervous system diseases.

### **IAY122- Ambulance Equipments And Applications | 4 ECTS**

Participants should have information about ambulance equipments and gain the ability to fully apply all the stretchers and equipments found

### **IAY123- Resuscitation | 3 ECTS**

Participants should have information about ambulance equipments and gain the ability to fully apply all the stretchers and equipments found.

### **IAY124- Anatomy II | 3 ECTS**

Anatomy of the digestive system, anatomy of the urinary system, male reproductive system, female reproductive system, central nervous system anatomy, peripheral nervous system anatomy, sensory organs anatomy, endocrine system anatomy, topographic anatomy of head and neck region, topographic anatomy of abdomen, pelvis Topographic anatomy.

### **IAY125- Basic ECG | 4 ECTS**

To teach the basic electrocardiographic principles, to learn the correct ECG acquisition and to learn the cardiac diseases that can be diagnosed by ECG

### **IAY126- Physiology | 3 ECTS**

Introduction to human physiology, tissue and systems, homeostasis, Muscular System, Nervous System, Cardiovascular System, Blood and Immune system, Respiratory System, Sensory System, Digestive System, Urinary System, Endocrine System and Reproduction

### **IAY127- Trauma And Sports Injuries | 2 ECTS**

Participants can intervene in trauma-affected needs to be able to distinguish types of sports injuries and to be able to comprehend the first intervention in sports injuries

### **ATA121- Ataturk's Principles And History Of Turkish Revolution II |2 ECTS**

This course examines Atatürk's principles and reforms and the political developments after the Ataturk with the establishment process of the Republic of Turkey.

### **ING121- English II | 2 ECTS**

Students will be able to understand English, use it effectively and compare basic grammar rules of English. Through this course, students can comment on simple dialogues in English and use the new structures and words they have learned in their daily lives.

### **TURK121- Turkish Language II | 2 ECTS**

Proper use of punctuation marks in writing, developing the ability to write plain texts; Listening, and reading abilities.

## **3<sup>rd</sup> SEMESTER**

### **First Aid Practice I | 5 ECTS**

First aid entry and general characteristics, evaluation of basic life function, respiratory and circulatory system, first aid injury, bleeding in first aid, shock and first aid, burns and first aid, poisoning and first aid, fracture-dislocations and sprains first aid, basic life support.

### **Ambulance Service Training I | 5 ECTS**

Modern tools, first aid, ambulance equipment, ambulance service standards, par abbreviations used unable to par you cannot drive the practice of legal responsibility.

### **IAY214- Pharmacology | 4 ECTS**

In this course, basic pharmacological concepts, specific mechanisms of drug action and the system will be discussed.

### **IAY215- Physical Education And Body Building | 2 ECTS**

Basic principles, movements, training in improving physical abilities, periodicals and learning to improve the sporty performance.

### **Manifest Of Istinye University I | 1 ECTS**

After graduation of Istinye University students to increase their employability, social and life skills to help them discover and increase their skills. The Manifesto of Istinye University in different categories such as art, sports, career and so on. students participating in the activities are expected to report on the activities they attend. After the evaluation of the report prepared by the student center, the students are counted as past or repeated.

### **IAY216- Compulsory Internship | 5 ECTS**

Students will receive internships at hospitals and emergency services of 112 ambulance stations during the thirty working days at the end of the 2nd semester to acquire new practical skills and technical skills, to recognize business life and to communicate effectively with other disciplines and administrators.

### **STS211- Stress Management | 3 ECTS**

To learn basic concepts about crisis and stress, what to do and how to do in crisis environment to teach that it should be managed, to give the awareness of controlling stress.

### **SAİ211- Communication In Health | 3 ECTS**

Basic concepts of Communication and Health Communication, Theories and Models of Communication, Target Audience, Campaign Process and Media Use

### **SKA211- Quality And Accreditation In Health | 2 ECTS**

Introduction to quality management, historical development of quality management in the world and in Turkey, basic concepts of quality management, quality control and quality assurance concepts, total quality management and elements, accreditation calibration concepts, evaluation of service quality (SERVQUAL), EFQM, JCI - quality standards (SKS Version 5), quality control circles, statistical quality control methods, examples of quality management applications in health services.

### **4<sup>th</sup> SEMESTER**

#### **İAY222- First Aid Practice II | 6 ECTS**

First aid entry and general characteristics, evaluation of basic life function, respiratory and circulatory system, first aid injury, bleeding in first aid, shock and first aid, burns and first aid, poisoning and first aid, fracture-dislocations and sprains first aid, basic life support.

#### **İAY223- Ambulance Service Training II | 6 ECTS**

Modern tools, first aid, ambulance equipment, ambulance service standards, par abbreviations used unable to par you cannot drive the practice of legal responsibility.

#### **İAY224- Pharmacology In First Aid | 4 ECTS**

In this course, basic pharmacological concepts, specific mechanisms of drug action and the system will be discussed.

#### **İAY225- Search, Rescue And Disaster Management | 4 ECTS**

Definition of disaster, types of disaster, natural disasters, human disasters, choice of settlement area, The functions of the municipalities on the layout plan, the layout of the municipal administration The effects on the central planning staff, the natural use of resources, disaster behavior of large man-made structures, disaster necessity of education, risk table, integrated disaster management.

#### **Manifest Of Istinye University II | 1 ECTS**

After graduation of Istinye University students to increase their employability, social and life skills to help them discover and increase their skills. The Manifesto of Istinye University in different categories such as art, sports, career and so on. students participating in the activities are expected to report on the activities they attend. After the evaluation of the report prepared by the student center, the students are counted as past or repeated.

### **ING221- Vocational English | 2 ECTS**

To address the basic concepts of professional English in the field of health, improve understanding skills, contribute to writing and speaking skills.

### **First Aid In Substance Addiction | 3 ECTS**

First aid entry and general characteristics, evaluation of basic life function, respiratory and circulatory system, first aid injury, bleeding in first aid, shock and first aid, burns and first aid, poisoning and first aid, fracture-dislocations and sprains first aid, basic life support for substance adductors.

### **Infectious Diseases And Microbiology | 4 ECTS**

To learn classifying microorganisms and some definitions of infectious diseases, transmission routes, factors, signs and symptoms and to gain information about the general factors related to the host and the environment.