AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Advanced Life Support Applications								
Course Code	İAY202		Couse Level		Short Cycle (Associate's Degree)				
ECTS Credit	5	Workload	126 *(Hours)*	Theory	4	Practice	0	Laboratory	0
Objectives of the Course	To gain skills in advanced life support applications.								
Course Content	Advanced life support perspective, the human factor and the quality status in resuscitation, preventing worsening of recognition and cardiorespiratory arrest, hospital resuscitation, advanced life support algorithms, airline kept open and ventilation, advanced airway applications, pre-hospital use in acute care medications, cardiac monitoring, ECG, defibrillation and cardioversion applications, resuscitation after cardiac arrest in the pre-hospital care, blood gas analysis and pulse oximetry, decisions about resuscitation, supporting caregivers in resuscitation.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Individual Study								
Name of Lecturer(s)	Prof. Mustafa OĞURLU								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	“Alanda Acil Bakım” S. Sarıkaya, Yeditepe Üniversitesi, 2009.
2	“Paramedik”S.Uçan, S. Çelikli N.ÜstünkarlıBaruş, G.Ersoy, İzmir, 2000.
3	“Travma ve Resüsitasyon Kursu Kitabı” K. Taviloğlu,C. Ertekin, R.Güloğlu,İstanbul, 2006.
4	"İlk ve Acil Yardım Teknikerliği Paramedik" G.Özel, B.A. Özel, C.Özcan, Güneş Tıp Kitabevleri, Ankara, 2015.

Week	Weekly Detailed Course Contents	
1	Theoretical	Advanced Life Support Perspective
2	Theoretical	Human Factors and Quality Condition in resuscitation
3	Theoretical	Deteriorating Patient Recognition
4	Theoretical	Prevention Cardiorespiratory Arrest You
5	Theoretical	Resuscitation in the Hospital
6	Theoretical	Resuscitation in the Hospital
7	Theoretical	Advanced Life Support Algorithm
8	Intermediate Exam	Midterm
9	Theoretical	Keeping the airway open and ventilation
10	Theoretical	Advanced airway applications
11	Theoretical	The drugs used in the pre-hospital emergency care
12	Theoretical	Cardiac Monitoring, ECG and Rhythm Recognition
13	Theoretical	Defibrillation and cardioversion applications
14	Theoretical	Pre-hospital care in the Resuscitation After Cardiac Arrest
15	Theoretical	Blood gas analysis and pulse oximetry

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	4	84
Assignment	8	4	0	32
Midterm Examination	1	2	2	4

Final Examination	1	4	2	6
			Total Workload (Hours)	126
			[Total Workload (Hours) / 25*] = **ECTS**	5
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Knowledge of the basic concepts related to ECG
2	Cardiac arrhythmias and to know of pre-hospital emergency care knowing the principles of
3	Knowledge of cardiac arrest rhythms and pre-hospital emergency care knowing the principles of
4	Advanced airway applications having the ability to
5	Pre-hospital emergency care in the drugs that are used to know and apply.
6	The knowledge of advanced life support applications for adult patients
7	Pediatric advanced life support practices knowledge of
8	Knowledge of neonatal resuscitation

Programme Outcomes *(First and Emergency Aid)*	
1	To be able to be aware of their professional authorities and responsibilities.
2	To be able to use the principles of individual and organizational communication skills.
3	To be able to define the emergency medical services and the pre-hospital emergency medical system devices used in Turkey and the world .
4	To be able to perform physical assessment of the patient and primary and secondary inspection.
5	To be able to apply the methods of handling and transportation of the patient
6	To be able to recognize the rules of the general approach to trauma patients and to be able to be capable of handling and maintenance of trauma equipment.
7	To be able to recognize emergency vehicles' mechanical and technical equipment and to be able to drive emergency vehicles.
8	To be able to identify the principles of pre-hospital emergency care in cases of environmental emergencies.
9	To be able to identify the principles of pre-hospital emergency care in medical emergencies.
10	To be able to analyze the ECG rhythm and apply the principles of pre-hospital emergency care for rhythm Disorders.
11	To be able to recognize and apply the pre-hospital emergency care drugs and fluids.
12	To be able to identify basic life support applications, Advanced Life Support applications and Advanced air way applications.
13	To be able to recognize the principles of pre-hospital emergency during disasters.
14	To be able to protect and maintain the highest level of physical and mental health.
15	To be able to recognize human anatomy and physiology.
16	To be able to develop good communication and human relations skills with colluques and patients.
17	To be able to apply Infection Control Methods and check infectional situations of emergency vehicles and equipment, ensure the conditions of asepsis-antisepsis and pre-hospital emergency care with Infectious Diseases.
18	To have the appropriate knowledge of medical sciences at the level of interest, to use specific medical terms and terminology of field

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5	L6	L7	L8
P1	5	5	5	5	5	5	5	5
P4					5	5	5	5
P10	5	5	5					
P11					5	5	5	5
P12			5	5				
P15	5	5	5	5				