



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Advanced Live Support Applications Practice							
Course Code		İAY206		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	76 (Hours)	Theory	0	Practice	4	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, Case Study, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Practice Examination	1	110

Recommended or Required Reading

1	"Alanda Acil Bakım" S. Sarıkaya, Yeditepe Üniversitesi, 2009.
2	"Paramedik" S. Uçan, S. Çelikli N. Üstünkarlı Baruş, 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	Practice	Advanced Life Support Perspective
2	Practice	Human Factors and Quality Condition in resuscitation
3	Practice	Deteriorating Patient Recognition
4	Practice	Prevention Cardiorespiratory Arrest You
5	Practice	Resuscitation in the Hospital
6	Practice	Resuscitation in the Hospital
7	Practice	Advanced Life Support Algorithm
8	Practice	Keeping the airway open and ventilation
9	Practice	Advanced airway applications
10	Practice	The drugs used in the pre-hospital emergency care
11	Practice	Cardiac Monitoring, ECG and Rhythm Recognition
12	Practice	Defibrillation and cardioversion applications
13	Practice	Pre-hospital care in the Resuscitation After Cardiac Arrest
14	Practice	Blood gas analysis and pulse oximetry
15	Practice	Practice Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Practice	14	1	4	70
Practice Examination	1	2	4	6
Total Workload (Hours)				76
[Total Workload (Hours) / 25*] = ECTS				3

*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 colleagues and patients.
17	To be able to apply Infection Control Methods and check infectious 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
P9		5	5					
P10	5	5	5					
P11					5			
P12				5		5	5	5
P15						5	5	5

