



**AYDIN ADNAN MENDERES UNIVERSITY**  
**GRADUATE SCHOOL OF HEALTH SCIENCES**  
**PHYSIOLOGY**  
**PHYSIOLOGY (MEDICAL)**  
**PHYSIOLOGY (MEDICAL) MASTER**  
**COURSE INFORMATION FORM**

Course Title	Underwater High Altitude and Space Physiology								
Course Code	TFZ522	Course Level		Second Cycle (Master's Degree)					
ECTS Credit	6	Workload	150 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To understand aviation high altitude and space physiology; Effects of low oxygen pressure on the body; Effects of acceleratory forces on the body in aviation and space physiology; Physiology of deep sea diving and other hyperbaric conditions; Effect of high partial pressures of gases on the body; Physical problems in diving; Special physiological problems in submarines.								
Course Content	aviation high altitude and space physiology; Effects of low oxygen pressure on the body; Effects of acceleratory forces on the body in aviation and space physiology; Physiology of deep sea diving and other hyperbaric conditions; Effect of high partial pressures of gases on the body; Physical problems in diving; Special physiological problems in submarines.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Individual Study								
Name of Lecturer(s)									

#### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

#### Recommended or Required Reading

1	Guyton, Tibbi Fizyoloji
2	Vander, İnsan Fizyolojisi

Week	Weekly Detailed Course Contents
1	Theoretical
2	Theoretical
3	Theoretical
4	Theoretical
5	Theoretical
6	Theoretical
7	Intermediate Exam
8	Theoretical
9	Theoretical
11	Theoretical
12	Theoretical
13	Theoretical
14	Theoretical
15	Theoretical
16	Final Exam

#### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	1	28	28	56
Assignment	10	3	2	50
Reading	3	0	14	42
Midterm Examination	1	0	1	1



Final Examination	1	0	1	1
Total Workload (Hours)				150
[Total Workload (Hours) / 25*] = ECTS				6
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	
2	
3	
4	
5	

### Programme Outcomes (Physiology (Medical) Master)

1	To be able to acquire a background needed for basic physiological research and having the ability to use the teoritical and practical knowledge in the field
2	To be able to prepare the article in the science of physiology
3	To be able to present papers in the field of science of physiology
4	To have professional ethics and responsibility
5	To be able to reach a level to follow research in the field, to possess written and spoken communication skills and be able to join discussions

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

	L1	L2	L3	L4	L5
P1	4	3	3	4	4
P2	5	4	4	5	5
P3	4	5	3	4	3
P4	5	4	5	4	4
P5	4	5	4	3	3

