# AYDIN ADNAN MENDERES UNIVERSITY
# COURSE INFORMATION FORM

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|---|---|---|---|---|---|---|---|---|---|
| Course Title | Hemostatic Mechanisms and Platelet Functions | | | | | | | | |
| Course Code | TFZ621 | | Couse Level | Third Cycle (Doctorate Degree) | | | | | |
| ECTS Credit | 6 | Workload | 156 *(Hours)* | Theory | 1 | Practice | 2 | Laboratory | 0 |
| Objectives of the Course | Giving information about Hemostatic Mechanisms and Platelet Functions. Introduce knowledge skills . Present novel scientific data to participants. | | | | | | | | |
| Course Content | To learn about hemostatic mechanisms, platelet structure and functions , related factors, anticoagulant activity and hemostatic mechanisms in physiopathological processes. To learn the rules and conditions of stuying in haemathology laboratory, and also gain the ability of doing and analyzing the coagulation tests, platelet function tests. To establish true relationships with patient and their family, and also with other laboratory personnels, to take care of blood samples, to make literature survey, analize the results,if necessary consult the results. | | | | | | | | |
| Work Placement | N/A | | | | | | | | |
| Planned Learning Activities and Teaching Methods | Explanation (Presentation), Discussion, 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, Medical Physiology |
| 2 | All scientific data about the subject |

| Week | Weekly Detailed Course Contents | |
|---|---|---|
| 1 | Theoretical | To learn about hemostatic mechanisms |
| | Practice | To learn about hemostatic mechanisms practice |
| | Preparation Work | Reading |
| 2 | Theoretical | platelet structure and functions |
| | Practice | platelet structure and functions practice |
| | Preparation Work | Reading |
| 3 | Theoretical | anticoagulant activity and hemostatic mechanisms in physiopathological processes |
| | Practice | anticoagulant activity and hemostatic mechanisms in physiopathological processes practice |
| | Preparation Work | Reading |
| 4 | Theoretical | To learn the rules and conditions of stuying in haemathology laboratory |
| | Practice | To learn the rules and conditions of stuying in haemathology laboratory practice |
| | Preparation Work | Reading |
| 5 | Theoretical | coagulation tests |
| | Practice | coagulation tests practice |
| | Preparation Work | Reading |
| 6 | Theoretical | analyzing the  platelet function tests |
| | Practice | analyzing the  platelet function tests practice |
| | Preparation Work | Reading |
| 7 | Intermediate Exam | Midterm Exam |
| 8 | Theoretical | To establish true relationships with patient and their family |
| | Practice | To establish true relationships with patient and their family practice |
| | Preparation Work | Reading |
| 9 | Theoretical | To establish true relationships with laboratory personnels |
| | Practice | To establish true relationships with laboratory personnels practice |
| | Preparation Work | Reading |

| | | |
|---|---|---|
| 10 | Theoretical | to take care of blood samples |
| | Practice | to take care of blood samples practice |
| | Preparation Work | Reading |
| 11 | Theoretical | to make literature survey |
| | Practice | to make literature survey practice |
| | Preparation Work | Reading |
| 12 | Theoretical | analize the results |
| | Practice | analize the results practice |
| | Preparation Work | Reading |
| 13 | Theoretical | analize the results,if necessary consult the results. |
| | Practice | analize the results,if necessary consult the results practice |
| | Preparation Work | Reading |
| 14 | Final Exam | Final Exam |

**Workload Calculation**

| Activity | Quantity | Preparation | Duration | Total Workload |
|---|---|---|---|---|
| Lecture - Theory | 14 | 1 | 1 | 28 |
| Lecture - Practice | 14 | 1 | 2 | 42 |
| Assignment | 10 | 6 | 1 | 70 |
| Individual Work | 14 | 1 | 0 | 14 |
| Midterm Examination | 1 | 0 | 1 | 1 |
| Final Examination | 1 | 0 | 1 | 1 |
| | | | Total Workload (Hours) | 156 |
| | | | [Total Workload (Hours) / 25*] = **ECTS** | 6 |

**25 hour workload is accepted as 1 ECTS*

**Learning Outcomes**

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|---|---|
| 1 | To be able to recognize the importance of Hemostatic Mechanisms and Platelet Functions |
| 2 | To be able to evaluate the relationship between other systems |
| 3 | To be able to investigate physiopathological symptoms about the subject |
| 4 | Interpret general principals about the subject |
| 5 | |

**Programme Outcomes** *(Physiology (Medical) Doctorate)*

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|---|---|
| 1 | Has a deep and broad knowledge about the field and the interdisciplinary area related with the field through the achievements gained in undergraduate and professional levels. |
| 2 | Has the knowledge to create original ideas, analyze them and develop definition/product/diagnosis methods by using the knowledge gained in undergraduate and/or professional experience, when needed. |
| 3 | To learn the laws and regulations both national and international in the field of physiology. |
| 4 | To gain ability to apply the principles and fundamentals of scientific ethical rules. |
| 5 | Implements and defends institutional and practical information and abilities in accordance with the needs of the country and the world, and changes when necessary. |

**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 | 5 | 4 | 4 | 5 | 4 |
| P2 | 5 | 4 | 5 | 5 | 4 |
| P3 | 5 | 4 | 4 | 5 | 4 |
| P4 | 5 | 5 | 5 | 5 | 5 |
| P5 | 5 | 5 | 4 | 5 | 5 |