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| **COURSE IDENTIFICATION FORM** |
| Course Code and Name: SM-555 Fish Blood Physiology  | **Department of :** |
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| **Semester** |

 | **Theoretic Hour** | **Practice Hour** | **Total Hour** | **Credits** | **ECTS** | **Education Language** | **Type: Compulsory Elective** |
| Fall | 3 | 0 | 3 | 3 | 5 | Turkish | Optional |
| **Prerequisite (s)** |  |
| **Instructor** | Prof. Dr. Azime KÜÇÜKGÜL | **Mail : akucukgul@munzur.edu.tr** **Web :** |
| **Course Assistant** |  | **Mail :****Web :** |
| **Groups / Classes** |  |  |
| **Course Aim** | The aim of the course is to enable teaching physiological properties and functions of blood cells and plasma to the students |
| **Course Goals** | * Physical and chemical characteristics of the blood, hematopoiesis, erythrocytes, construction and destruction of hemoglobin, leukocytes, platelets, the complement system, blood coagulation and fibrinolysis, laboratory practices and information and interpretation of experimental results.
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| **Course Learning Outs and Proficiencie*s*** | * Will learn the physiological characteristics of blood cells and plasma and the general information on the functions of blood cells
* Will be able to learn and review to the basic knowledge on the generation and destruction of blood cells.
* Will understand the mechanisms related to coagulation and anti-coagulation
* Will be able to learn and review the information involved with the diseases and physiopathological changes in regard to both the number and the functions of blood cells
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| **Course Basic and Auxiliary Contexts** | * Tıbbi Fizyoloji Arthur C.Guyton, John E. Hall
* Power point sunumlar ve ders notları
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| **Methods of Give a Lecture** | Lecture, The relevant notes from application, Question-answer, Discussion, Individual study, Relevant web information |

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| **Assessment Criteria** |  | **If Available, to Sign (x)** | **General Average Percentage (%) Rate** |
| **1. Quiz** | **X** | **40** |
| **2. Quiz** |  |  |
| **3. Quiz** |  |  |
| **4. Quiz** |  |  |
| **5. Quiz** |  |  |
| **Oral Examination** |  |  |
| **Practice Examination (Laboratory, Project etc.)** |  |  |
| **Final Examination** | **X** | **60** |
| **Semester Course Plan** |
| **Week** | **Subjects** |
| **1** | Functions and physical characteristics of the blood  |
| **2** | Functions and physical characteristics of the blood  |
| **3** | Hematopoiesis |
| **4** | Regulation and organization of hematopoiesis |
| **5** | Erythrocytes |
| **6** | Fish blood cells |
| **7** | Leukocytes |
| **8** | Intermediate exam |
| **9** | Transfusion |
| **10** | Platelets |
| **11** | Physiological prevention of hemorrhage |
| **12** | Fibrinolytic system |
| **13** | Anti-coagulation |
| **14** | Final exam |