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| **Course title** | **Code** | **Semester** | **Type of course** | **Course volume (Contact hours)** | **ECTS** |
| **Laboratory Medicine** | **MED****5022** | **XII** | **Mandatory** | **35** | **4** |
| **Faculty, the educational program and level of education** | * School of Medicine and Health Sciences
* Higher Medical Educational Program “Medicine”
* One cycle 6-year
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| **Learning Course Content** |
| * Safety: Patients and clinical laboratory; Phlebotomy. Collecting and processing patients’ blood specimens.
* Concepts ın lab medıcıne. Quality assessment and quality control in the clinical laboratory
* Clinical laboratory hematology, basic and contemporary technics in clinical laboratory, Preparing the blood smear and staining, Microscopy investigation.
* Basic concepts of Immunohematology / Blood Banking.
* Clinical biochemistry - Liver function
* Clinical biochemistry - Renal function.
* Hemostasis and blood coagulation, cardiac markers
* Examination of body fluids: Urinalysis.
* Examination of body fluids: CSF
* Basic serology / Immunology,
* Infectıous dısease dıagnostıcs
* Introduction to microbiology diagnostics.
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| **Textbooks and Materials** |
| * Laboratory Medicine: The diagnosis of Disease in the Clinical Laboratory- Michael Laposata; McGraw- Hill Medical; 2nd.ed. 2014;
* Clinical laboratory Medicine- Shirlyn B. McKenzie, J. Lynne Williams; Pearson; 2nd.ed. 2010;
* Immunology and Serology in Laboratory Medicine-Mary Louise Turgeon; Elsevier Mosby; 5th.ed. 2014;
* Bailey and Scott's Diagnostic Microbiology- Tille, Patricia M; Elsevier Mosby; 13th. ed.2014
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