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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. |
| **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 |