

**Program of study:** General Medicine  
**Course:** **LABORATORY DIAGNOSTICS IN CLINICAL PRACTICE**  
**Abbreviation:** LCH/VAA62  
**Schedule:** 25 hours of seminars  
**Course distribution:** 4th year, 8th semester  
**Number of credits:** 2  
**Course form:** Seminars  
**Seminars:**  
**Teachers:** Doc. RNDr. David Friedecký, Ph.D.  
 RNDr. Markéta Plchová  
 RNDr. Jitka Prošková  
 MUDr. Lenka Štefaničková  
 Mgr. Lucie Roubalová  
 Mgr. Štěpán Kouřil

**Study:** Thursdays 13:00–15:30, Fridays 13:30–15:00  
**Room:** MPP

	Date	Subject	No. of lessons	Teacher
1	9. 3. 2023	Principles of laboratory test indication and interpretation, interferences	3	Friedecký
2	10. 3. 2023	Laboratory diagnostics of water and electrolyte balance and acid-base balance disorders	3	Plchová
3	16. 3. 2023	Laboratory diagnostics of inflammation and sepsis, importance of CSF	2	Roubalová
4	17. 3. 2023	Laboratory tests in cardiology	3	Štefaničková
5	23. 3. 2023	Laboratory tests in endocrinology	3	Štefaničková
6	24. 3. 2023	Laboratory tests in gastroenterology	2	Kouřil
7	30. 3. 2023	Laboratory tests in oncology	2	Roubalová
8	31. 3. 2023	Kidney and urine laboratory tests	2	Plchová
9	13. 4. 2023	Liver and its disorders, enzymes, hyperbilirubinemia	3	Prošková
10	14. 4. 2023	Laboratory Diagnostics in Practice, Building I – Department of Clinical Biochemistry, UH Olomouc	2	Friedecký

**Completed by:** Credit test, colloquium  
**Requirements:** 100% presence in the seminars  
**Literature:** Printed handouts (provided by teachers)  
 Books:  
 Burtis, C. A., Ashwood, E. R., & Bruns, D. E. (2012). *Tietz Textbook of Clinical Chemistry and Molecular Diagnostics* (5th ed.). Elsevier Saunders W. B. Comp., Philadelphia.  
*Henry's Clinical Diagnosis and Management by Laboratory Methods: Expert Consult – Online and Print* (22nd ed.).  
 Newsholme, E., & Leech, T. (2009). *Functional Biochemistry in Health and Disease*. Wiley-Blackwell.