

**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

**Numer of Credits** : 4

**Course Form** : Seminars

**Teachers:** Prof. David Stejskal, M.D., Ph.D., MBA, EurChem  
 Norbert Cibiček, M.D., Ph.D.  
 Prof. Tomáš Adam, Ph.D.  
 Dalibor Novotný, Ph.D.  
 Pavel Malina, M.D.

**Study:** Blocks – Thursdays 13:30–16:00, Fridays 13:30–15:00

	<b>Date</b>	<b>Subject</b>	<b>No. of lessons</b>	<b>Teacher</b>
1	26.3.2015	Phases of lab. testing process, principles of correct lab. test indication and interpretation	3	Cibiček
2	27.3.2015	Applications of modern hi-tech in clinical practice	2	Novotný
3	2.4.2015	Lab. dg. in cardiology and haemostaseology	3	Stejskal
4	3.4.2015	Lab. dg. of acid-base balance; disorders of water and electrolyte homeostasis	2	Cibiček
5	9.4.2015	Lab. dg. in endocrinology; Metabolic syndrome	3	Stejskal
6	10.4.2015	Lab. dg. of GI diseases, inflammation and sepsis	2	Malina
7	16.4.2015	Lab. dg. of tumours, nutritional deficits and renal function impairment	3	Cibiček
8	17.4.2015	Newborn screening; Lab. dg. of inborn errors of metabolism	2	Adam
9	23.4.2015	Lab. dg. in rheumatology, osteology and neurology	3	Stejskal
10	24.4.2015	Credit test	2	Stejskal

**Completed by:** Credit test

**Requirements:** 100% presence in the seminars

**Literature:** Burtis C.A., Ashwood E.R., Bruns D.E., Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, 5th ed., Elsevier Saunders W.B. Comp., Philadelphia 2012

Henry's Clinical Diagnosis and Management by Laboratory Methods: Expert Consult - Online and Print, 22nd ed., Elsevier Saunders W.B. Comp., Philadelphia 2011

Newsholme E., Leech T. Functional Biochemistry in Health and Disease, Wiley-Blackwell, 2009