

<b>Module title</b>		<b>Abbreviation</b>
Clinical Biochemistry / Laboratory Medicine 1		03-5S2KB-092-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Biochemistry		Faculty of Medicine
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
10	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
<p>Basic research practice and analytical approaches that are used in pathobiology and clinical biochemistry are presented by means of selected examples. Pathological mechanisms are compared to the respective regular physiological processes (e. g. thrombocyte function, cardiovascular transformation) and the underlying biochemical and genetic variations are discussed.</p>		
<b>Intended learning outcomes</b>		
<p>Students have developed a fundamental knowledge of techniques and approaches that are commonly used in modern molecular biology and biochemistry and have developed a fundamental understanding of how to approach, analyse and interpret problems in clinical biochemistry. They also have developed skills in experimental design, bench work, data analysis and the presentation of scientific results both orally and in writing.</p>		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
<p>This module comprises 2 module components. Information on courses will be listed separately for each module component.</p> <ul style="list-style-type: none"> <li>• 03-5S2KB-1KB-092: Ü (no information on SWS (weekly contact hours) and course language available)</li> <li>• 03-5S2KB-2KB-092: S (no information on SWS (weekly contact hours) and course language available)</li> </ul>		
<b>Method of assessment</b> (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
<p>Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.</p> <p><b>Assessment in module component 03-5S2KB-1KB-092:</b> Clinical biochemistry / laboratory medicine 1 (laboratory practice)</p> <ul style="list-style-type: none"> <li>• 8 ECTS, Method of grading: numerical grade</li> <li>• a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)</li> <li>• Language of assessment: German, English</li> </ul> <p><b>Assessment in module component 03-5S2KB-2KB-092:</b> Clinical biochemistry / laboratory medicine 1 - Seminar clinical biochemistry</p> <ul style="list-style-type: none"> <li>• 2 ECTS, Method of grading: (not) successfully completed</li> <li>• presentation (approx. 20 to 30 minutes)</li> <li>• Language of assessment: German, English where required</li> </ul>		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
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**Teaching cycle**

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**Referred to in LPO I** (examination regulations for teaching-degree programmes)

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**Module appears in**

Bachelor' degree (1 major) Biology (2007)