

<b>Module: G8 Organic Chemistry</b>		
<b>Exam:</b> G8 Organic Chemistry	<b>LV.-No.:</b>	<b>ECTS-Points:</b> 5 CP
<b>Recommended Semester:</b> 2nd Semester	<b>Module:</b> Mandatory	<b>Language:</b> German
<b>Responsible lecturer:</b> Prof. Dr. Wigbert Hillebrand	<b>Cycle:</b> Summer Term	<b>Registration information:</b>
<b>Lecturer in charge:</b> Prof. Dr. Wigbert Hillebrand		
<b>Learning outcomes</b>	Students are able <ul style="list-style-type: none"> <li>to describe and compare the chemistry and the properties of carbon compounds</li> <li>to dominate the codes of nomenclature and chemical reaction behaviour functionally different carbon compounds</li> <li>to identify and distinguish the different isomerism types of carbon compounds</li> <li>to describe and evaluate the basic biochemical compound classes according to their property and reaction behaviour</li> </ul>	
<b>Form of exam</b>	Written exam (90 min)	
<b>Form of teaching</b>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Training</li> <li>Tutorial (optional, additional)</li> </ul>	
<b>Course contents</b>	<ul style="list-style-type: none"> <li>Basics of organic chemistry</li> <li>Aliphatic and alicyclic hydrocarbon compounds of different functionality and aromatic hydrocarbon compounds</li> <li>Optical activity and enantiomerism</li> <li>Basic biochemically important compounds and substance classes</li> </ul>	
<b>Workload</b>	Presence (4 SWS): Preparation and Follow-up: Sum:	60 h 90 h 150 h
<b>Requirements</b>	Module Exam G2 (General and Inorganic Chemistry) must be passed.	
<b>Literature</b>	<ul style="list-style-type: none"> <li>Arni, A., (2003), Grundkurs Chemie II: Org. Chemie, Wiley-Verlag, Weinheim, Berlin, (aktuellste Auflage)</li> <li>Morrison, R. T., Boyd, R. N., (1986) Lehrbuch der organischen Chemie, Wiley-VCH-Verlag, Weinheim, Berlin (aktuellste Auflage)</li> <li>Kaufmann, H., Hädener, A., (1996), Grundlagen der organischen Chemie, Birkhäuser Basel</li> <li>Hart et. Al., Organische Chemie, Wiley-VCH-Verlag</li> </ul>	