

Georg-August-Universität Göttingen		9 C
Module M.CVS.101: Cardiovascular basics I		7 WLH
Learning outcome, core skills: Students who have successfully finished this module have an advanced knowledge of: <ul style="list-style-type: none"> • The anatomy of the heart, the vasculature, the lung, the kidney, the nervous system of humans, rodents and widely used experimental animals (e.g. zebra fish) • The embryonic development in general and of the cardiovascular system • The physiology of the heart, the circulation, the lung, the kidney, the autonomous nervous system including e.g. detailed knowledge on the control of cardiac contractility and function, the short and long term control of the blood pressure, important hemodynamic laws • The hormonal control of the cardiovascular system e.g. by catecholamines, the RAAS, natriuretic peptides, sex hormones 		Workload: Attendance time: 98 h Self-study time: 172 h
Course: M.CVS.101.Lec Cardiovascular basics I (Lecture) <i>Contents:</i> <ul style="list-style-type: none"> • Cardiovascular Anatomy • Cardiovascular Physiology • Cardiovascular Embryology • Cardiovascular Nervous System • Cardiovascular Endocrinology 		5 WLH
Examination: Written examination (180 minutes) M.CVS.101.1: Cardiovascular basics I - exam Examination requirements: Written examination about the development, physiology and anatomy of the heart and the cardiovascular system and its hormonal and nervous regulation.		7 C
Course: M.CVS.101.C Cardiovascular basics I (practical course) <i>Contents:</i> <ul style="list-style-type: none"> • The cardiovascular anatomy • Histology course of cardiovascular tissues • Cardiovascular Physiology 		2 WLH
Examination: Oral Presentation (approx. 15 minutes), not graded M.CVS.101.2: Cardiovascular basics I - presentation Examination requirements: Short PowerPoint presentation about a given topic, including max. 5 minutes discussion.		2 C
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Dr. L. Zelarayan-Behrend	
Course frequency: each winter semester	Duration: 1 semester[s]	

Number of repeat examinations permitted: twice	Recommended semester: 1
Maximum number of students: 25	
Additional notes and regulations: Teaching capacity provided by: Med-VK: 54h lecture, 28h practical work; Med-KT: 16h lecture; Med.-K:-	