

Module name: Allgemeine Pharmakologie und Toxikologie (Elective Module)

Identification number	Workload	Credits	Term of studying*	Frequency of occurrence	Duration
MN-B-EM 3	120 h	4	1 st or 2 nd term of studying	Summer term, 1 st half**	6 weeks
1	Type of lessons a) Lectures (L) b) Seminar (S)	Contact times a) 30 h b) 18 h	Self-study times 72 h (Preparing and reworking matters of L and S; Preparation for written examination)	Intended group size a) 20 Students b) 20 Students	
2	Learning outcomes / Skills Nach Abschluss des Moduls besitzt der/die Studierende grundlegende und vertiefte Kenntnisse zu ausgewählten Themen der Allgemeinen Pharmakologie, der Pathophysiologie wichtiger Krankheiten, den Wirkmechanismen von Pharmaka, der Auswahl von Wirkstoffen sowie zu unerwünschten Nebenwirkungen. Der/die Studierende beherrscht in diesem Zusammenhang auch alle wesentlichen Definitionen (z.B. Selektivität, Dosis-Wirkungskurven, Rezeptorkinetik und therapeutische Breite).				
3	Contents <ul style="list-style-type: none"> • Antibiotika • Anagatika • Antidepressiva • Diuretika • Antidiabetika • Lipidsenker • Pharmakokinetik • Rezeptoren und kardiovaskuläres System • Toxikologie 				
4	Teaching methods Lectures; Seminar				
5	Requirements for participation None				
6	Type of examinations Exam prerequisites: Regular and active participation Exams: Written examination (judged as „pass“ or „fail“); more details will be given at the beginning of the module				
7	Requisites for the allocation of credits Certification of the module coordinator (a form can be found at http://www.biologie.uni-koeln.de/1214.html) has to be delivered to the examination office				
8	Compatibility with other Curricula Lectures are part of the education of medical students				
9	Significance of the mark for the overall grade None, in the sense that the Elective Module and its various components are judged as „pass“ or „fail“ and are not graded. A „pass“ in every component of the Elective Module is nevertheless an essential prerequisite for permission to start a Master Thesis.				
10	Module coordinator and Participating faculty Module coordinator: Prof. Dr. D. Gründemann, phone 478-7455, e-mail: dirk.gruendemann@uni-koeln.de , Address: Institut für Pharmakologie, Uniklinik Köln, Gleueler Str. 24, 50931 Köln				

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Additional information

- Language of instruction: German, English as required
- Registration for the module via e-mail to dirk.gruendemann@uni-koeln.de**
- Further information can be found at <http://www.pharmakologie.uk-koeln.de/lehre/naturwissenschaften/master-studiengang>

* According to the course schedule (see appendix 2 of the examination regulations)

** The module takes place only, if at least 10 students register for the module.