

Module title	Flood Protection – RWTH Aachen			
Identifier	3100050			
Duration (Semester)	one semester			
Cycle (Semester)	summer semester			
Valid from				
Valid until				
Module level	Master			
Content	Overview of flood protection; technical flood protection; flood prevention; flood risk area management			
Learning Objectives/ Learning Outcomes	Students are introduced into fundamental processes that affect or cause floods and their interrelations. They learn different flood protection strategies and become familiar with practical applications in detail.			
(Study-Specific) Prerequisites	None			
References	<p>Patt, H. (2001): Hochwasser-Handbuch: Auswirkungen und Schutz. Berlin: Springer – ISBN 978-3540677376.</p> <p>Maniak, U. (2005): Hydrologie und Wasserwirtschaft. Berlin: Springer – ISBN 978-3-540-20091-8</p> <p>Merz, B. (2006): Hochwasserrisiken - Grenzen und Möglichkeiten der Risikoabschätzung. Stuttgart: Schweizerbart'sche Verlagsbuchhandlung - ISBN 3-510-65220-7</p>			
Language	English			
Examination Terms	Graded written exam. There are no admission requirements for attending the exam.			
Miscellaneous				
Module coordinator	Universitätsprofessor Dr.-Ing. Holger Schüttrumpf			
ETCS credits	5			
Contact time (WSH)	2			
Examination duration (min)				
Total hours (h)	90			
Contact hours (h)	30			
Self-study hours (h)	60			
Exam node (Kennung)				
Title	ECTS Credits	Contact time (WSH)	Recommended Semester (Study start winter)	Recommended Semester (Study start summer)
Written exam (or oral exam) Flood Protection	5	0	2nd semester	no semester recommended
Offer node				

Title	ECTS Credits	Contact time (WSH)	Recommended Semester (Study start winter)	Recommended Semester (Study start summer)
Lecture/exercise Flood Protection	-	2	2nd semester	no semester recommended