

Lecture
Design of Hydraulic Structures
(LV-Nr. 6222703)

Lecturer:	Dr.-Ing. Frank Seidel		
Time:	Thursday: 8:00 to 9:30 h		
Place:	Building 10.81	Room:	HS93
Takes place in:	Summer Term		

Content :

Managing water resources is closely linked to hydraulic structures, such as e.g. dams, weirs and spillways. Within the lecture, we will have a closer look at these structures, their design, the state of the art, legal issues and special phenomena which might influence the safe operation of the structure. Taking hydromechanic fundamentals into account, we will analyze events of damage, investigate the causes and have a look at different countermeasure.



Fig. 1: stepped spillway with chute blocks, morning glory spillway



Fig. 2: spillway in operation, damaged spillway