Number of module	**Name of module**	**Lecturer**
BIWE-05	Structural Use of Glass	Prof. Weller
Content and qualification aim	Content of the module: • Aspects of Facade Engineering • Mechanical and physical principles of annealed and pre-stressed glass • Safety concepts in the structural use of glass • Glass design • Numerical simulation of glass • Numerical simulation of mechanical and adhesively bonded glass connections • Glass design and numerical simulations After having finished the module successfully students have in-depth knowledge on the structural use of glass, the safety concept and respective building regulations.	
Type of course	2 hours of lectures, 1 hour of exercise per week, and self-study	
Requirements for study	Study competence from module BIWO-05	
Practical use of the module	The module is one of the elective modules in the Master´s programme: Advanced Computational and Civil Engineering Structural Studies, of which seven have to be chosen.	
Requirements for the award of credits	The credits are awarded if the module examination is successfully passed. The module examination consists of a written examination (90 min).	
Credits and grades	4 credits can be acquired for this module. The grade is the grade of the written examination.	
Frequency of module	The module is offered every academic year (summer semester).	
Workload	The workload is 120 working hours.	
Duration of the module	1 semester	
Recommended literature	• The Institution of Structural Engineers: Structural use of glass in buildings. ISBN 1 874 266 5147. • Schittich et al: Glass construction manual. ISBN 3 764 381 221	