

Structural Control and Health Monitoring

Course of study	Language	Lecturer	SWS	Credits Workload	Credits Bonus	Duration	Semester
Civil Engineering (M.Sc.) Constructive Building Eng.	Englisch	Dr.-Ing. O. Altay	2	3	3	1	3
Bauingenieurwesen (M.Sc.) Constructive Civil Eng.							

This optional course consists of the parts including following topics:

Structural Control:

- Structural rehabilitation and retrofitting
- Passive, active and semi-active damper systems
- Anti-seismic devices and base isolation
- Principles of control engineering

Structural Health Monitoring:

- Sensors and actuator technology
- System identification methods
- Vibration measurement and evaluation
- Condition monitoring

Start: 18.10.2016

Date and place: Tue, 12:15-13:45 (BS 312)

Millennium Bridge, London