

Faculty	Faculty 2: Architecture, Civil and Environmental Engineering
Course Title	Experimental Static – load tests of structures show their actual load carrying behaviour
Number of ECTS credits	6 ECTS
Hours per week (SWS)	5 hrs/week - 3 to 6 months
Time	March – August (Summer semester HS Bremen) each year
Prerequisites	Technical Mechanics, Concrete Constructions, Structural planning
Recommended reading	
Teaching methods	Project work, laboratory or field experiments
Assessment methods	Project report and oral presentation
Language of instruction	English
Name of lecturer	Prof. Dr.-Ing Marc Gutermann
Email	Marc.Gutermann@hs-bremen.de
Link	https://www.hs-bremen.de/internet/en/forschung/einrichtungen/ifes/
Course content	<ul style="list-style-type: none"> • Experimental assessment of structures • Measurement and Load Devices • Analysis of existing structures, i.e. reinforced concrete beams • Analysis of load-reaction-curve gained by load tests • Comparison of theoretical assumptions and experimental results