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**Hochschule Konstanz**  
University of Applied Sciences



**Course number: EIB 33262**  
**System Architecture**  
**Study Level: Bachelor /**  
**Undergraduate**

**Prof. Dr. Burkhard Lehner, Prof.**  
**Dr. Alexander Krupp**  
**Language of Instruction: English**  
**ECTS Credits: 6**

**Objectives:**

The students learn how to design a system architecture for a system that consists of software AND hardware, and how to develop such a system. Topics are e.g. the design of the system as a set of independent components, the definition of interfaces between these components, some criteria to compare communication protocols, adding a testing concept into the architecture, and application of systems engineering methods. The course also contains a practical project that is developed during the semester by the students.