

<p>Content:</p> <ul style="list-style-type: none"> • Modelling and analysis of LTI-systems with MATLAB/Simulink • Liquid level control • Modelling, simulation and control of DC-servo-system • Digital control of a magnetical levitation system Operation if a ball-on-rim system
<p>Recommended reading:</p> <ul style="list-style-type: none"> • Nise, Norman S.: “Control systems engineering”, John Wiley, 2000. • Ogata, Katsuhiko: “Modern Control Engineering”, Prentice Hall • Tietze, Ulrich; Schenk, Christoph: Electronic Circuits, Springer Verlag • Föllinger, O.: Regelungstechnik: Einführung in die Methoden und ihre Anwendungen, 12. Auflage, VDE Verlag, Offenbach, 2016 • Hoffmann, J.; U. Brunner: MATLAB & Tools für die Simulation dynamischer Systeme, Addison-Wesley, München, 2002 • Mann, H.; H. Schiffelgen; R. Froiep: Einführung in die Regelungstechnik: Analoge und digitale Regelungen, Fuzzy-Regler, Regler-Realisierung, Software, 11. Auflage, Carl Hanser Verlag, München, 2009

2.4.5 Management

Management

Module Summary
Module code: EEIB450
Module coordinator: Lecturers of the “Studium Generale” offered by the Center of Competence
Credits (ECTS): 6 Points
Semester: 4. Semester
Pre-requisites with regard to content: none
Pre-requisites according to the examination regulations: Regarding to the examination regulations no pre-requisites are required.
<p>Competencies: The participants can acquire further qualifications in the area of management and business administration in order to be able to use their personal skills better in professional life.</p> <p>The students</p> <ul style="list-style-type: none"> • know the principles of human resources management • are able to carry out an analysis of the annual financial statements with the help of suitable key figures;

<ul style="list-style-type: none"> are able to use important parameters of corporate management in a controlling manner.
<p>Assessment: The courses are offered by the Center of Competence. The examinations for the individual courses can be found the program booklet at www.h-ka.de/studiumgenerale/profil.</p>

Course: Focal Subjects 1
Module code: EEIB451
Lecturer: NN
Scope of weekly semester hours (SWS): 4
Semester of delivery: Summer semester
Type/mode: Lecture, Compulsory subject
Language of instruction: English
<p>Content: In the focal Subjects, the students choose from the available elective subjects. The competencies result from these. It is also possible to choose from the german-language elective subjects of the EITB course.</p>
<p>Recommended reading:</p> <ul style="list-style-type: none"> See details of specific course