

Course Manual ESL

Design of Circuit Board Layout

Version: 0 | Last Change: - | Draft: 0 | Status: vom verantwortlichen Dozent freigegeben

– General information

Long name Design of Circuit Board Layout

Approving CModule [ESL BaET](#)

Responsible Studiengangsleiter(in)
Bachelor Elektrotechnik

Valid from summer semester 2023

Level Bachelor

Semester in the year summer semester

Duration Semester

Hours in self-study null

ECTS 5

Professors NN
Lehrbeauftragter

Requirements Elektronik 1
Grundgebiete der
Elektrotechnik 1,2
Physik1,2
Elektronik 2

Language German

Separate final exam Yes

Literature

Final exam

Details

Minimum standard null

Exam Type EN schriftlicher
Ergebnisbericht

– Lecture / Exercises

Learning goals

Goal type	Description
Knowledge	creation of layouts with Ultiboard transfer of the circuits from Multisim to Ultiboard choosing of the device body choosing of the circuit board layer positioning of the devices transfer of the conducting path by hand automatically
Skills	design of layouts by yourself
Skills	komplexe Aufgaben im Team bewältigen Übungen Absprachen und Termine einhalten

Expenditure classroom teaching

Type	Attendance (h/Wk.)
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Special requirements

none

Accompanying material	null, null, null, null
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Separate exam	Yes
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Separate exam

Exam Type	EN Übungsaufgabe mit fachlich / methodisch eingeschränktem Fokus lösen
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Details	unbenotet
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Minimum standard	null
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– Practical training

Learning goals

Goal type	Description
Knowledge	development of layouts
Knowledge	operating with Ultiboard
Skills	realization of layouts
Skills	usage of the software Ultiboard
Skills	komplexe Aufgaben im Team bewältigen build-up simple layouts Absprachen und Termine einhalten Reviews planen und durchführen

Expenditure classroom teaching

Type	Attendance (h/Wk.)
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Special requirements

none

Accompanying material null, null, null, null

Separate exam Yes

Separate exam

Exam Type EN Übungsaufgabe mit fachlich / methodisch eingeschränktem Fokus lösen

Details unbenotet

Minimum standard null

– Lecture / Exercises

Learning goals

Goal type	Description
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Knowledge	
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Skills	
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Skills	
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Special requirements

null

Accompanying material	null, null, null, null
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Separate exam	Yes
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Expenditure classroom teaching

Type	Attendance (h/Wk.)
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Separate exam

Exam Type	EN Übungsaufgabe mit fachlich / methodisch eingeschränktem Fokus lösen
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Details	null
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Minimum standard	null
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