

Course Manual ESL

Design of Circuit Board Layout

Version: 0 | Last Change: - | Draft: 0 | Status: Entwurf

– General information

Long name	Design of Circuit Board Layout
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Approving CModule	ESL BaET
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Responsible	Studiengangsleiter(in) Bachelor Elektrotechnik
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Valid from	summer semester 2023
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Level	Bachelor
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Semester in the year	summer semester
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Duration	Semester
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Hours in self-study	null
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ECTS	5
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Professors	NN Lehrbeauftragter
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Requirements	Elektronik 1 Grundgebiete der Elektrotechnik 1,2 Physik1,2 Elektronik 2
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Language	German
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Separate final exam	Yes
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Literature

Final exam

Details

Minimum standard	null
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Exam Type	EN schriftlicher Ergebnisbericht
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– 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 chochoosing of the circuit board layer positioning of the divices 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

Separate exam Yes

Separate exam

Exam Type EN Übungsaufgabe mit fachlich / methodisch eingeschränktem Fokus lösen

Details unbenotet

Minimum standard null

– 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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