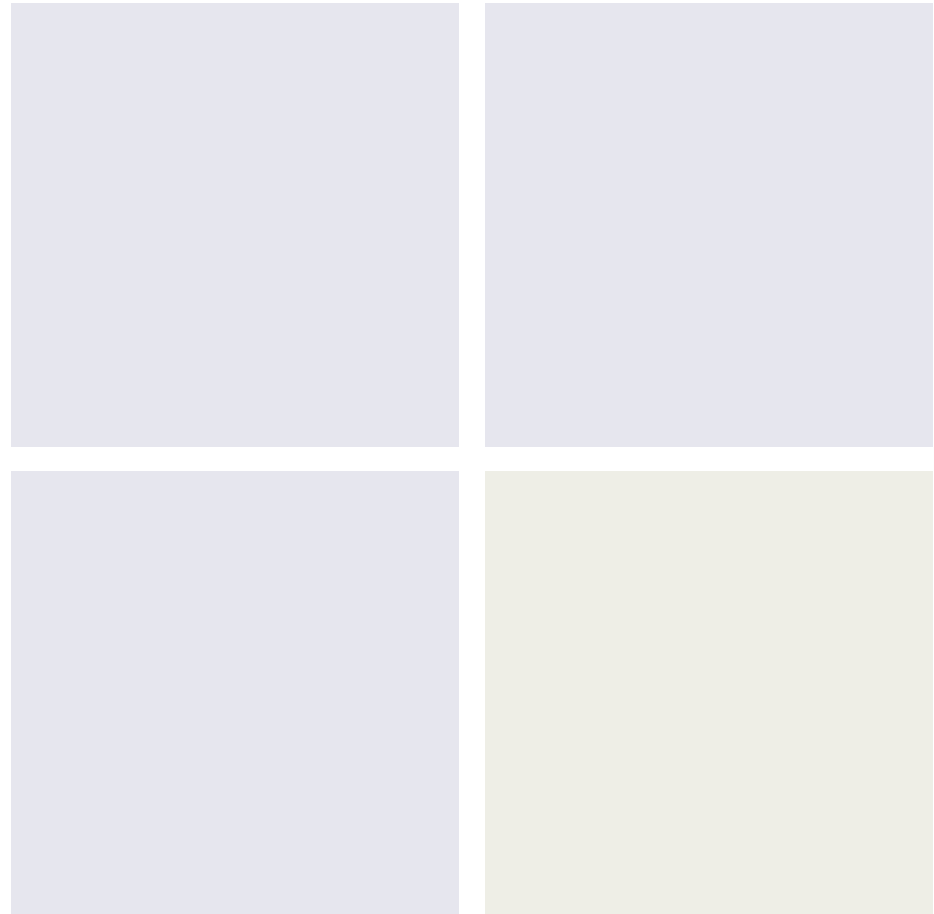




**PADERBORN
UNIVERSITY**



Study program
Master Computer Engineering
PO 2017

May 10, 2017

Overview

- Changes in the Master program Computer Engineering
- Transition rules

Examination Regulations (PO)

- Currently: **PO 2013** (with update 2015)
- From WS 2017/18 on: **PO 2017**
 - all courses offered by the Computer Science (CS) department increase to 6 credit points (credits, CP)
 - => each course is also a module
 - => **no more module exams covering two or three courses**
 - mandatory module CS replaced by
 - mandatory module “CS 1” with “Advanced Computer Architecture” (6 CP)
 - mandatory module “CS 2” with “Networked Embedded Systems” (6 CP)
 - **focus area** with **exactly four modules** (24 CP)
 - **further electives** with **exactly three modules** (18 CP)

MA CE PO 2017

1st Semester 20 SWS / 30 Credits	2nd Semester - SWS / 30 Credits	3rd Semester - SWS / 30 Credits	4th Semester - SWS / 30 Credits
Focus Area 24 Credits (4 modules out of 1 of 6 focus areas)			Master Project 30 Credits
Module 1 e.g. 2+2 SWS / 180 h	Module 2 e.g. 2+2 SWS / 180 h	Module 4 e.g. 2+2 SWS / 180 h	Work Plan - / 150 h
	Module 3 e.g. 2+2 SWS / 180 h		Master Thesis - / 750 h
Mandatory Module ET I 6 Credits	Further Electives 18 Credits (3 modules out of arbitrary focus area)		
Statistical Signal Processing* 2+2 SWS / 180 h	Module 1 e.g. 2+2 SWS / 180 h	Module 2 e.g. 2+2 SWS / 180 h	
Mandatory Module ET II 6 Credits		Module 3 e.g. 2+2 SWS / 180 h	
Circuit and System Design 2+2 SWS / 180 h	Project Group 18 Credits		
Mandatory Module CS I 6 Credits	Project Group Computer Engineering - / 540 h		
Advanced Computer Architecture 2+2 SWS / 180 h	Scientific Work Style 6 Credits		
Mandatory Module CS II 6 Credits	Seminar - / 120 h		
Networked Embedded Systems 2+2 SWS / 180 h	Languages, Writing and Presentation Techniques - / 60 h		

Focus areas

- Embedded Systems
- Nano/Microelectronics
- Computer Systems
- Communication and Networks
- Signal, Image and Speech Processing
- Control and Automation

Transition Rules

- Beginning with WS 2017/18, new students must enroll into PO 2017
- Already enrolled students have the choice ...
 - **remain in PO 2013** (exams possible until SS 2020)
 - upon request **change to PO 2017** (strongly recommended)

Remaining in PO 2013

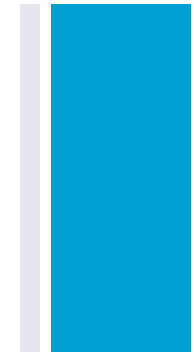
■ Mandatory CS module

- attend 2/3 of Advanced Computer Architecture (in coordination with lecturer)
- attend 2/3 of Hw/Sw Codesign (in coordination with lecturer)
- attend 2/3 of Networked Embedded Systems (in coordination with lecturer)
- one module exam covering all three courses

■ Elective CS modules

- attend 2/3 of course (in coordination with lecturer)
- one module exam covering two courses

Changing to PO 2017



passed course in PO 2013	credit transfer to PO 2017
Mandatory module CS (12 CP) <ul style="list-style-type: none">- Advanced Computer Architecture (4 CP)- Operating Systems (4 CP)- Hw/Sw Codesign (4 CP)	Mandatory module CS 1 (6 CP) <ul style="list-style-type: none">- Advanced Computer Architecture (6 CP) Mandatory module CS 2 (6 CP) <ul style="list-style-type: none">- Networked Embedded Systems (6 CP) Elective module Hw/Sw Codesign (6 CP)
Elective module from CS (4 CP)	Elective module from CS (6 CP)