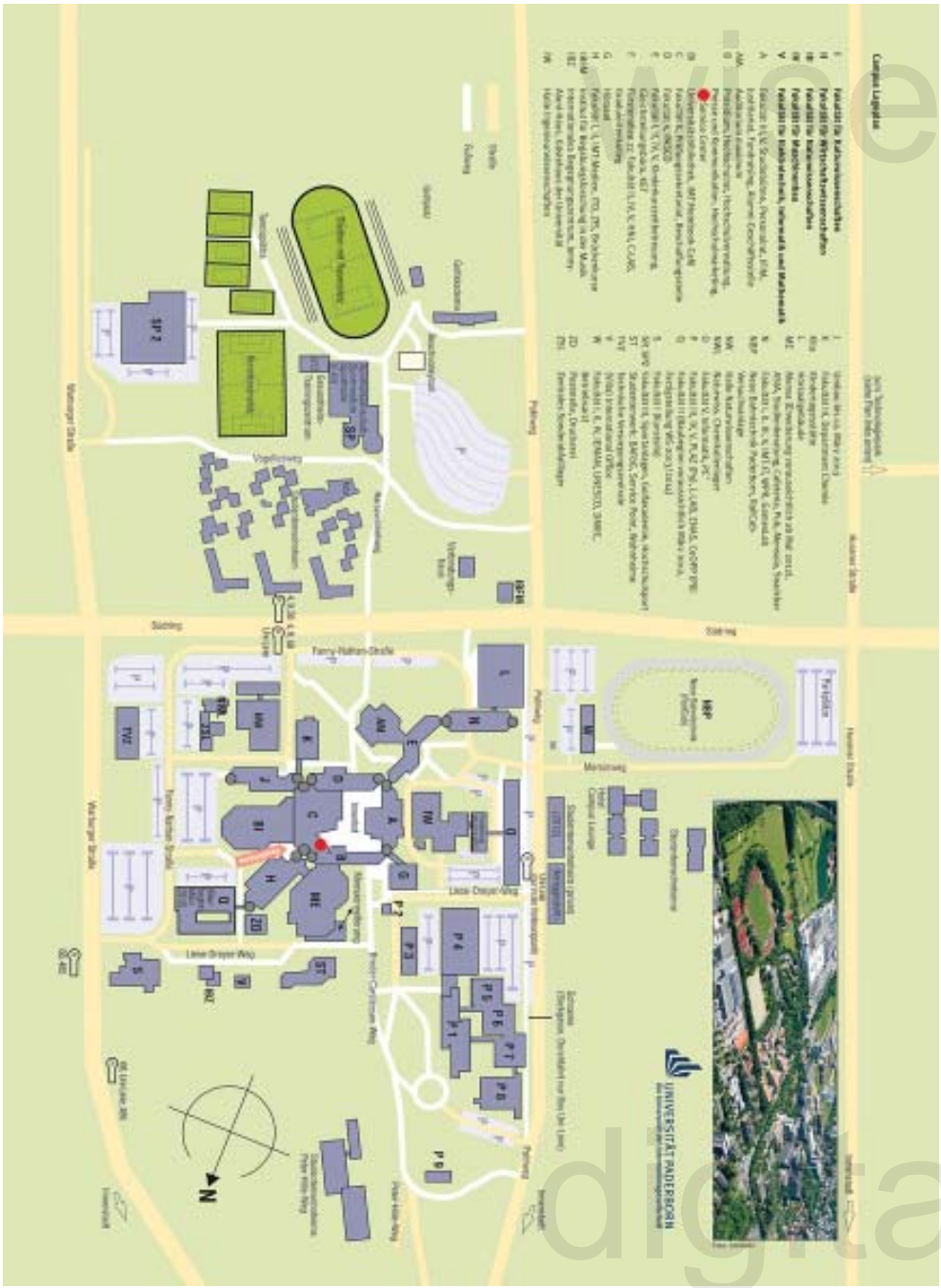

ET-Quick-Start Guide v.2

Ball Lightning

2012

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Impressum

Herausgeber: Fachschaft Elektrotechnik und Informationstechnik
Universität Paderborn
Warburger Straße 100
33098 Paderborn

Kontakt: Tel.: 60-3051
E-Mail: fset@upb.de
Raum P1.5.16.1

Redaktion: Brian Butterly

Layout: Brian Butterly

V.i.S.d.P: Brian Butterly

Auflage: 30 Stück

Author‘s scrapbook

Notebook Café
http:// http://nbc.uni-paderborn.de/
library entrance, on the right
-help with Wi-Fi, Networking
-help with OS Problems

Library
http://ub.upb.de
-large selection of literature
-printed books and ebooks
-missing books can be ordered

MSDNAA/MS Licences
https://msdnaa.uni-paderborn.de/
-licences for various MS software
-“free“ Windows copies

Bicycle Workshop
http://asta.uni-paderborn.de/service/fahrradwerkstatt/
-repair you own bike

PAUL
http://paul.upb.de
-timetables
-registration for exams
-problems? -> paul@upb.de

Service Center
opposite of library
-problems with study course

VPN
http://imt.uni-paderborn.de/netzbetrieb/vpn-installieren/
-gives you uni IP at home
-access to library services from home
-access to selected uni PCs from home

Faculty's BBQ

Comfortable evening in the Fachschaft

Our last party

Welcome,

to start off, I'd like to welcome you all to the University of Paderborn and wish you all the best for your studies in the name of the Fachschaft Elektrotechnik (FSET).
So, who are we, to wish you welcome here? Well, we're the „Fachschaftsrat", a committee voted by all students from our area in uni, and the „Aktive", all students helping the voted committee do their work. We represent all of you on various boards concerning everything from expenses to study regulations. We also offer you a stack of services which will be described on the following pages.
Fyi, I guess you've made quite a good choice coming to Paderborn. Due to only having just over 500 students in the area of electronics, the ratio between professors and students and the size of classes are just great. This results in the fact, that you'll always find somebody to answer you a question, if it's not the professor himself/herself, it will be a member of their staff. Most professors will actually offer you to come round their office when you've got any questions. You should really make use of this offer!

This flyer should tell you everything you need for a good start. If you've got any other questions or need a tour across campus, simply visit our office (P1.5.16.1)!

Brian Butterly
chairman FSET

The Fachschaft

What's the „Fachschaft"? There actually are two answers to this question. The first one simply is „You!". „Fachschaft" describes all the students of one area or departement. So you are part of the „Fachschaft"!
The other answer is, if you'd try to describe it in english, a „students union". This union consits of a stack of students using up their free time to help others with problems and questions, take seats in university's committees and try to make a student's life as easy and comfortable as possible, at least the part around classes. Being a kind of a union we also represent you towards your professors, if you ever have a problem you can't solve yourself.
The Fachschafts office is in P1.5.16.1. Here they offer you a quiet place to relax, an electrifying place for learning and, last but not least, a loud place to leave work behind you. Above that, they offer the best coffee on campus, a few chilled drinks and some sugar, or rather sweets and chocolate.
If you ever need to find somebody to talk to, or the answer to a question, feel free to come in!

In the Fachschaft's office one can also get questions from old exams and tests, which might sometimes ease up the learning phase.

P.S.
You're always welcome! At any time of the day!

Food

Mensa
The Mensa is our main canteen. It offers three core main courses per day (vegetarian, non-vegetarian, soup). You'll be able to have a look at the menu for each week on sundays. You can also choose various salads, noodles or courses from the BBQ-counter. For afters you've got the choice between different puddings and curd.

Gownsmen's Pub
Different main courses every lunchtime and a menu after 19hrs offer a good alternative to Mensa. In during summer you can also buy fresh „Bratwürstchen" from the hut outside.

Caféte
In the Caféte you can get different rolls and small snacks for inbetween. Around lunchtime you've got the choice between burgers, chips, sausages and Schnitzel.

Wok'n Roll
Here you can get Chinese noodles with different extras.

One Way Snacks
Simply sandwiches, wraps, salads and waffles!

Check out
http://www.studentenwerk-pb.de/gastronomie.html
for menus and opening hours

Course list

Compulsory subjects:

Module: Introduction to ESE I
- Advanced System Theory
- Modeling & Simulation

Module: Management and Applications
- Management of Technical Projects
- Topics in Systems Engineering

Compulsory electives:

Module: Introduction to ESE II
- Introduction to Algorithms
- Digital Signal Processing
- High-Frequency Engineering
- Mechatronics & Electrical Drives
- Software Engineering

Compulsory optional subjects:

Module: Introduction to Signal & Information Processing
- Statistical Signal Processing
- Statistical Learning & Pattern Recognition

Module: Introduction to Electronics & Devices
- Fields & Waves
- Circuit & System Design

For up to date information, please refer to
http://ei.uni-paderborn.de/english/education/curriculum.html

The E-Labor

The E-Labor is a small, student run lab offering you various tools and bits.
If you ever want to do some practical work such as etching or soldering, the guys there will give you a hand.

Currently having 4 workplaces, you've got access to a wide variety of measuring equipment, and everything you need to create, build, repair and test electronic devices. Two computers with everything neccessary installed for creating your own PCBs are available here.
If you need any small parts, simply come round and give it a try. The E-Labor has quite a large selection of Resistors, Capacitors, Transistors, various chips etc.
The staff also offers a regular ordering at www.reichelt.de, which is quite a large store selling various ET and IT bits.

You can contact the staff, Jan Müller and Lars Vössing by mail, fset-elabor@et.upb.de or personally in P1.5.16.2.

Computing Lab

Every student from the area of electronic engineering has the option to use our computing lab in P7.2.02.1. Offering 22 PCs Debian Linux, you've got acess to software such as Maple and Matlab.
You can use the room for any kind of work and learning.

To logon, you only need to activate the login for you IMT Account:

1. Goto http://benuterverwaltung.upb.de and login
2. Klick onto „Decentralized Services"
3. Klick the Button next to „Rechnerzugang im Institut für Informatik" and request access.

To be able to access the lab, you need a access card. This card can be picked up in E1.129.

Wi-Fi & Internet

University has a Wi-Fi coverage of probably 100% of the campus. The easiest way to access the net, is by using „eduroam". You'll need a certificate, which you can get in http://benutzerverwaltung.upb.de -> WLAN. Also check out http://imt.uni-paderborn.de/netzbetrieb/wlan/netzwerk-eduroam/ . I know it's german, simply choose an OS and follow the pictures.....

Degree Plan: Electronics & Devices

MS Electrical Systems Engineering
Specialization: Electronics & Devices

1. Semester 20 SWS, 30 CP	2. Semester 20 SWS, 30 CP	3. Semester 20 SWS, 30 CP	4.Semester 30 CP
Introduction to ESE 1 *Compulsory subject* **Advanced System Theory** (4 SWS, 6 CP)	Intro. to Electronics & Devices *Compulsory subject E&D* **Circuit & System Design** (4 SWS, 6 CP)	Electronics & Devices *Compulsory elective* (4 SWS, 6 CP)	**Master Thesis** (30 CP)
Introduction to ESE 1 *Compulsory subject* **Modeling & Simulation** (4 SWS, 6 CP)	Electronics & Devices *Compulsory elective* (4 SWS, 6 CP)	Electrical Systems Engineering *Elective* (4 SWS, 6 CP)	
Intro. to Electronics & Devices *Compulsory subject E&D* **Fields & Waves** (4 SWS, 6 CP)	Introduction to ESE 2 *Compulsory elective* (4 SWS, 6 CP)	Electrical Systems Engineering *Elective* (4 SWS, 6 CP)	
Introduction to ESE 2 *Compulsory elective* (4 SWS, 6 CP)			
Management and Application *Compulsory subject* **Management of Technical Projects** (2 SWS, 3 CP)	Projects *Elective* **Analysis/ Design** (6 SWS, 9 CP)	Projects *Elective* **Realization/ Test** (6 SWS, 9 CP)	
General Studies *Elective* **Language Course German or other** (2 SWS, 3 CP)	General Studies *Elective* **Language Course German or other** (2 SWS, 3 CP)	Management and Application *Compulsory seminar* **Topics in Systems Engineering** (2 SWS, 3 CP)	

Abbreviations: SWS: Hours per week
CP: ECTS credits

Compulsory electives

Summer semester

Analog CMOS IC's
Controlled AC Drives
Optical Communication B
Optical Communication D
Power Electronics
Processing of Semiconductors
Sensor Technology

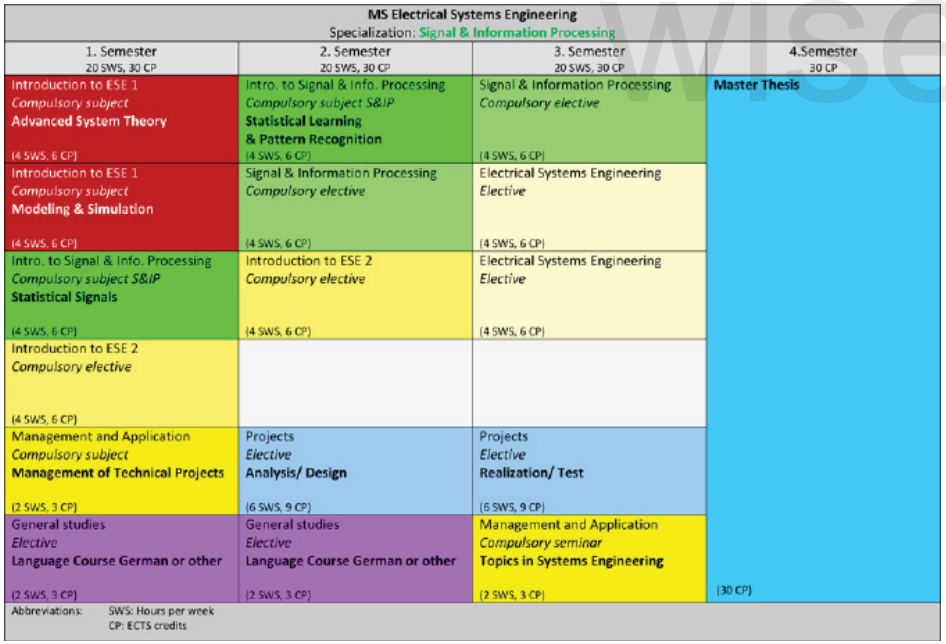
Winter semester

High-Frequency Electronics
Micro-Electromechanical Systems
Optical Communication C
Radio Frequency Power Amplifiers
System Packing
VLSI Testing

Summer and winter semester

Optical Communication A

Degree Plan: Signal & Information Processing



MS Electrical Systems Engineering
Specialization: Signal & Information Processing

1. Semester 20 SWS, 30 CP	2. Semester 20 SWS, 30 CP	3. Semester 20 SWS, 30 CP	4.Semester 30 CP
Introduction to ESE 1 *Compulsory subject* **Advanced System Theory** (4 SWS, 6 CP)	Intro. to Signal & Info. Processing *Compulsory subject S&IP* **Statistical Learning & Pattern Recognition** (4 SWS, 6 CP)	Signal & Information Processing *Compulsory elective* (4 SWS, 6 CP)	**Master Thesis** (30 CP)
Introduction to ESE 1 *Compulsory subject* **Modeling & Simulation** (4 SWS, 6 CP)	Signal & Information Processing *Compulsory elective* (4 SWS, 6 CP)	Electrical Systems Engineering *Elective* (4 SWS, 6 CP)	
Intro. to Signal & Info. Processing *Compulsory subject S&IP* **Statistical Signals** (4 SWS, 6 CP)	Introduction to ESE 2 *Compulsory elective* (4 SWS, 6 CP)	Electrical Systems Engineering *Elective* (4 SWS, 6 CP)	
Introduction to ESE 2 *Compulsory elective* (4 SWS, 6 CP)			
Management and Application *Compulsory subject* **Management of Technical Projects** (2 SWS, 3 CP)	Projects *Elective* **Analysis/ Design** (6 SWS, 9 CP)	Projects *Elective* **Realization/ Test** (6 SWS, 9 CP)	
General studies *Elective* **Language Course German or other** (2 SWS, 3 CP)	General studies *Elective* **Language Course German or other** (2 SWS, 3 CP)	Management and Application *Compulsory seminar* **Topics in Systems Engineering** (2 SWS, 3 CP)	

Abbreviations: SWS: Hours per week
CP: ECTS credits

Compulsory electives

Summer semester

Cognitive Systems in Virtual Reality - Modeling and Simulation
Digital Image Processing II
Knowledge Engineering
Robotics
Topics in Signal Processing

Winter semester

Advanced Topics in Robotics
Digital Image Processing I
Optimal and Adaptive Filters
Signal Processing for Wireless Communications
Wireless Communications

Summer and winter semester

Algorithms and Tools for Test and Diagnosis of Systems on a Chip
Cognitive Systems Engineering - Special Topics
Rescue Robot Systems
Simulation of Electromagnetic Fields

Important numbers and addresses

All numbers are internal numbers, so you'll have to add 05251 60
(05251 60 xxxx)

Exams Office	Schaefer, Svenja	-3427 C2-315 schaefer-s@zv.upb.de
Student Advisory Service		-3202 P1.3.12 studienberatung@ei.upb.de http://www.studiet.de
International Office	http://w3cs.uni-paderborn.de/aaa/index.html	
University Sports		http://unisport.upb.de
Library		http://ub.upb.de
AStA		-3174 ME U 210 schreibkraft@asta.upb.de http://asta.upb.de
Fachschaft		-3053 P1.5.16.1 fset@upb.de http://fset.upb.de