

MS ESE

Prof. Dr.-Ing. Bärbel Mertsching
University of Paderborn

Plenary Meeting

Bärbel Mertsching, Jan Tünnermann

February 1, 2018

MS ESE

Prof. Dr.-Ing. Bärbel Mertsching
University of Paderborn

Agenda

- **Update: Examination Regulations**
- **Further Information for the Upcoming Summer Semester**
- **Mailing Lists**
- **Open Discussion**

Important Information:
Examination Regulations Updates

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General Information: What are Examination Regulations?

- Legally binding regulations concerning the degree program
- Prerequisites, duration, goals, sequence, transfer of credits, forms of examinations, repeat options, deadlines and timings, consequences of deception attempts, etc.

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Important Information:
Examination Regulations Updates

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General Information: Where can I find the MS ESE ERs?

<http://ei.upb.de/studium/studienangebot/electrical-systems-engineering/examinations/>

...elektrotechnik - Studium - Studienangebot - Electrical

FURTHER INFORMATION

- Prerequisites
- Application
- Curriculum
- Examinations
- Further Information
- News

SOCIAL NETWORK

You can also visit us on facebook.

Documents

Examination regulations ↑

Official German versions:

- Examination regulations (official note No. 12/12, April 30, 2012)
- 1st Amendment (official note No 160/14, October 31, 2014)
- 2nd Amendment (official note No 14/16, March 16, 2016)
- Examination regulations (official note No. 107/17, October 30, 2017)

Versions translated to English (respective amendments integrated):

- Examination Regulations (2012)
- Examination Regulations (2017) - editorial modifications to this document are under way

Note: Officially binding are the German versions of the examination regulations.

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General Information: Which ERs are valid for whom?

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graph LR
    ER2012["ER 2012  
(No 12 / 12)"] --> ER2014["ER 2014  
(No 160 / 14)"]
    ER2014 --> ER2016["ER 2016  
(No 14 / 16)"]
    ER2016 --> ER2017["ER 2017  
(No 107 / 17)"]
    ER2016 --> Text1["All students who  
enrolled before winter  
semester 2017 / 18"]
    ER2017 --> Text2["All students who  
enrolled winter  
semester 2017 / 18  
or later"]
  
```

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	<p>Important Information: Examination Regulations Updates</p> <p style="text-align: right;">MS ESE <small>Prof. Dr.-Ing. Bärbel Mertching University of Paderborn</small></p>
	<p>General Changes in Newer Examination Regulations:</p> <ul style="list-style-type: none"> ▪ Minor changes (typos, ordering, consistency with its sister examination regulations CE, ET, CS) ▪ Relevant changes: Briefly summarized in the next slides
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	<p>Important Information: Examination Regulations Updates</p> <p style="text-align: right;">MS ESE <small>Prof. Dr.-Ing. Bärbel Mertching University of Paderborn</small></p>
	<p>Topic: Examinations (ER 2014 Art. I, §8 (3); ER 2017 Art. I, §20 (3))</p> <ul style="list-style-type: none"> ▪ A passed or (not finally) failed examination can be replaced with a compatible passed examination that was formerly registered as “additional examination”. Only valid for non-mandatory courses. <p>Consequences:</p> <ul style="list-style-type: none"> ▪ Grades can be improved. ▪ Failed examinations in one subject can be replaced. ▪ Important: The new course must be selected as “additional examination” (overall up to 18 ECTS ER 2014 / 24 ECTS ER 2017 and passed first.
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Important Information: Examination Regulations Updates	MS ESE <small>Prof. Dr.-Ing. Bärbel Mertching University of Paderborn</small>
<p>Topic: Thesis Registration (ER 2014 Art. II, §17 (6); ER 2017 Art. II, §10 (3))</p> <ul style="list-style-type: none"> ▪ The Master's thesis can only be started if: All stipulations are fulfilled and 60 ECTS have been achieved, including: <ul style="list-style-type: none"> ○ Advanced Systems Theory + Modelling & Simulation + ○ Fields & Waves and Circuit & System Design (E&D) + ○ Stat. Sig. Proc. and Stat. Learn. & Pattern Rec. (I&SP) <p>Consequences: Some of the allegedly most difficult courses cannot be put off until the end of the studies.</p>	
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Important Information: Examination Regulations Updates	MS ESE <small>Prof. Dr.-Ing. Bärbel Mertching University of Paderborn</small>
<p>Topic: Master Thesis (ER 2017 Art. II, §17 (1))</p> <ul style="list-style-type: none"> ▪ A working plan is now mandatory. ▪ It makes up 5 of the 30 credits of the thesis. ▪ It is not explicitly graded but mandatory part of the examination (“qualifizierte Teilnahme”). <p>Consequences: Students (ER 2017) have to prepare a working plan, when starting their thesis.</p>	
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**Example:
Working plan**

- Title, Name, ...
- Abstract
- Methods
- Structure
- Schedule
- References
- Signature of advisor

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Examination Regulations Updates

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How do I transfer from ER 2014 to ER 2017 ?

- Send a request to the examination board (using our contact form) stating that you wish to change.

What are the prerequisites for direct approval?

- You request the change before and not during a semester.
- You agree to not request a reverse change in the future.
- (Exceptions may be possible.)

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	<p>Should I transfer ER 2014 → ER 2017 ?</p> <p>Only if ...</p> <ul style="list-style-type: none"> ▪ ... you need the 24 instead of 18 credits in the additional examinations areas (e.g. for compensating). ▪ ... you are sure there are not disadvantages. <p>Other than that, there is no use in changing. It will only generate work for you (filing the request) and the administration (transferring all your courses to the new ERs).</p>	
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	Prerequisites	MS ESE <small>Prof. Dr.-Ing. Bärbel Mertching University of Paderborn</small>
	<p>ER §4 Licensing requirements</p> <p>b4. All prospective foreign students who aren't equivalent to German residents through or due to treaties under international law, prove their ability to study by means of the GRE Revised General Test. In the part "Quantitative Reasoning" usually at least 157 points are necessary, and at least 4,0 points are needed in the part "Analytical writing". In case of a very good or good final grade of the qualification according to n°2, the proof of the GRE Revised General Test is not necessary. Prospective students with a German university entrance qualification are excluded from this proof of the ability to study.</p>	
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New Name: L.048.23012, resp. L.048.92005

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Instructor: Prof. Dr. Reinhold Häb-Umbach

Old name of course:

- English: **Statistical Learning and Pattern Recognition**
- German: Statistische Lernverfahren und Mustererkennung

New name of course:

- English: **Statistical and Machine Learning**
- German: Statistische und maschinelle Lernverfahren

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New Name: L.048.23012, resp. L.048.92005 contd.

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“Editorial” change in the S&IP degree plan:

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
Introduction to ESE Compulsory subject Advanced System Theory (4 SWS, 6 CP)	Intro. to Signal & Info. Processing Compulsory subject S&IP Statistical and Machine Learning (4 SWS, 6 CP)	Signal & Information Processing Compulsory elective	
Introduction to ESE Compulsory subject Modeling & Simulation (4 SWS, 6 CP)	Signal & Information Processing Compulsory elective	Electrical Systems Eng. Elective	
Intro. to Signal & Info. Processing Compulsory subject S&IP Statistical Signal Processing (4 SWS, 6 CP)	Fundamentals of ESE Compulsory elective (4 SWS, 6 CP)	Electrical Systems Eng. Elective (4 SWS, 6 CP)	
Fundamentals of ESE Compulsory elective (4 SWS, 6 CP)			
Management and Application Compulsory subject Management of Technical Projects (2 SWS, 3 CP)	Projects Elective Analysis/ Design (8 SWS, 9 CP)	Projects Elective Realization/ Test (8 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)	(30 CP)

**Intro. to Signal & Info. Processing
 Compulsory subject S&IP
 Statistical and Machine Learning
 (4 SWS, 6 CP)**

↑

New name!

Formerly:
Statistical Signal Processing and Pattern Recognition

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<div style="float: right; text-align: right;"> MS ESE <small>Prof. Dr.-Ing. Bärbel Mertching University of Paderborn</small> </div> <h2 style="margin: 0;">New Course: Tutorial on Scientific Working</h2>
<p>Instructor: Dennis-Pascal Friederici</p> <p>Course number: L.048.65013</p> <p>Course objective: Within this seminar, participants will increase their level of expertise with regard to scientific working and their way of presenting.</p> <p>Content: In this course participants will get an insight into the techniques of scientific working including the way of creating a time schedule, learning how to do literature research, writing scientific manuscripts and getting advice on how to improve their way of presenting in the setting of lectures and discussions.</p> <p>Therefore, this course is not only targeted at students, but may also be interesting for scientific staff.</p>
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<div style="float: right; text-align: right;"> MS ESE <small>Prof. Dr.-Ing. Bärbel Mertching University of Paderborn</small> </div> <p>Important Information: News, Changes, Information</p>
<p>Our mailing lists are based on your e-mail addresses used in the application process. This leads to problems if ...</p> <ul style="list-style-type: none"> ▪ ... you arrive late and we are not informed about it. ▪ ... you stop using your (gmail, hotmail, ...) addresses. ▪ ... your 3rd party mail provider blocks our mailing lists. ▪ ... similar problems occur. <p>These things happen! Therefore ...</p>
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	<p>Important Information: News, Changes, Information</p> <p>MS ESE Prof. Dr.-Ing. Bärbel Mertching University of Paderborn</p>
	<p>We suggest:</p> <ul style="list-style-type: none">▪ Use your @mail.upb.de addresses while you are here!▪ To update your address, send an e-mail to tuennermann@get.upb.de, stating your starting semester, your former e-mail address, and your @mail.upb.de address.▪ Note: You can have the UPB mailing system forwarding mails to you 3rd party address.
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	<p>MS ESE Prof. Dr.-Ing. Bärbel Mertching University of Paderborn</p>
	<p style="text-align: center;">Thanks for your attention!</p>
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