



Organization

Prof. Dr.-Ing. Abdelhak M. Zoubir



Signal Processing Group
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Prerequisites:

- ▶ Basic knowledge of signal and system theory

Format and assessment:

- ▶ Lectures and Tutorials (V3 + Ü1), 6 Credits
- ▶ Written exam (100 %), 180 min, open book

Manuscript:

- ▶ Can be purchased in A5 booklet format from the Kittler Student Center (KSC)
- ▶ Can be also used during the exam!

Platform for announcements and materials:

- ▶ Moodle (<https://moodle.tu-darmstadt.de>)



Lectures (Prof. Dr.-Ing. A.M. Zoubir)

Day	Time	Room
Wed	13:30-15:10	S306 051
Thu	14:25-15:10	S306 051

Tutorials (C. Eckrich)

Group	Day	Time	Room
1	Fri	09:50-11:30	S101 A5
2	Tue	16:15-17:55	S306 051

- ▶ Tutorials are held bi-weekly in two alternating groups, no registration required! First tutorials are on Fri, 01.11.23 (Group 1) and Tue, 05.11.23 (Group 2).



Open Question Session (C. Eckrich)

Day	Time	Room
22. Oct.	16:15-17:55	S306 051
14. Jan.	16:15-17:55	S306 051

- ▶ Extra open consultation hour before the exam
- ▶ Moodle Question Forum
- ▶ Meeting requests via email



Besides announcements, all materials and information can be found on Moodle:

- ▶ Organization slides
- ▶ Lecture
 - ▶ Slides
- ▶ Tutorials
 - ▶ Sample tasks and solutions
 - ▶ Slides
- ▶ Manuscript
- ▶ Timetable
- ▶ Forum for questions
- ▶ Recommended literature
- ▶ Previous exams



1. Discrete-Time Signals and Systems
2. Digital Signal Processing of Continuous-Time Signals
3. Filter Design
4. Finite Impulse Response Filter Design
5. Design of Infinite Impulse Response Filters
6. An Introduction to Random Variables and Stochastic Processes
7. The Finite Fourier Transform
8. Estimation of the Spectrum
9. Non-Parametric Spectrum Estimation
10. Parametric Spectrum Estimation
11. Advances in Digital Signal Processing

GO OUT! IHR STUDIUM IM AUSLAND

et:it

- Ein oder zwei Semester im Ausland studieren
- Möglich ab dem 5. Semester
- Bewerbung ab sofort bis zum 30. November - Start im WiSe 2025/26
- 80 Partnerunis in Europa, Nord-u. Südamerika, Asien, Ozeanien
- Anerkennung der erworbenen Leistungen
- Double Degree
- Finanzielle Unterstützung

NÄCHSTE INFOVERANSTALTUNG:

29.10.24 | 13:30 Uhr
S3|06, 052

Do you have further Questions?



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1. Consult the moodle forum
2. Visit the [SPG webpage](#)
3. Contact supervisor: Christian Eckrich
4. Contact tutors who held the respective tutorial

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