

Audio- / Videosignalverarbeitung Advanced Digital Signal Processing Digital Signal Processing 2

Lecture 1 WS 2014/2015

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Organizational information (1)

- Lectures every week
 - Tuesdays at 9-10.30 in Sr Oe 109
- Seminars every two weeks
 - Wednesdays (**even** weeks) at 13-14.30 in K 2003B
 - Tuesdays (**even** weeks) at 11-12.30 in HU 210
 - Thursdays (**odd** weeks) at 9-10.30 in K 2002A
- Quizzes every week

Organizational information (2)

- This week
 - **NO** lecture on Tuesday
 - **Lecture 1** is postponed to:
 - Wednesday (15.10) at 13-14.30 in K-Hs2
 - Thursday (16.10) at 09-10.30 in K-Hs2
 - NO seminars and quizzes
 - Seminars will start **next week**
 - Quizzes will also start **next week after the second lecture**

Organizational information (3)

- Signing in for seminars
- Follow the link:
<http://doodle.com/3gexvbmwt6f8yrgh>
- Choose one available option
- Sign in with the full name and surname

Course organization (1)

- The homework points account for **30% of the final grade**. The **exam** accounts for the other **70%**.
- Every homework is worth 3 points. Every quiz is worth 1 point. Quizzes count as 25% and seminars as 75% for the homework points.
- Gained points will only be added after passing the exam. When a student fails the exam the points stay valid until the lecture is held again and there are new homework assignments (in the following winter semester).

Course organization (2)

- We have 3-5 LP (“Leistungspunkte”) for lecture and seminar, 1 LP means about 2-3 hours per week
- ADSP has 7 LP, so you will get an extra Homework assignment in the end
 - **NO** ‘Praktika’ on Thursdays

Contact information

- We are always available via e-mail:
- alina.rubina@tu-ilmenau.de
- gerald.schuller@tu-ilmenau.de
- Course website (course description):
- <http://www.tu-ilmenau.de/it-dsv/lv/it-dsvlehre/>
- **Moodle platform** (all announcements and materials):
- <https://moodle2.tu-ilmenau.de/>

Moodle (1)

Change of language

- E-learning platform
- Quizzes, slides, assignments and announcements
- Follow the link:
<https://moodle2.tu-ilmenau.de/>

Sign in with your university name and password



Moodle (2)

- Proceed as following:
- Fakultät EI --> Institut für Medientechnik --> FG Angewandte Mediensysteme --> AVS/ADSP/DSP II

1.Click

Course categories

Fakultät EI
Institut für Elektrische Energie- und Steuerungstechnik
FG Kleinmaschinen (8)
Institut für Informationstechnik
FG Drahtlose Verteilsysteme / Digitaler Rundfunk
FG Elektronische Messtechnik
FG Grundlagen der Elektrotechnik (5)
FG Nachrichtentechnik
Institut für Medientechnik
FG Angewandte Mediensysteme (8)
FG Audiovisuelle Technik (2)
FG Kommunikationswissenschaft (13)
FG Medienproduktion (8)

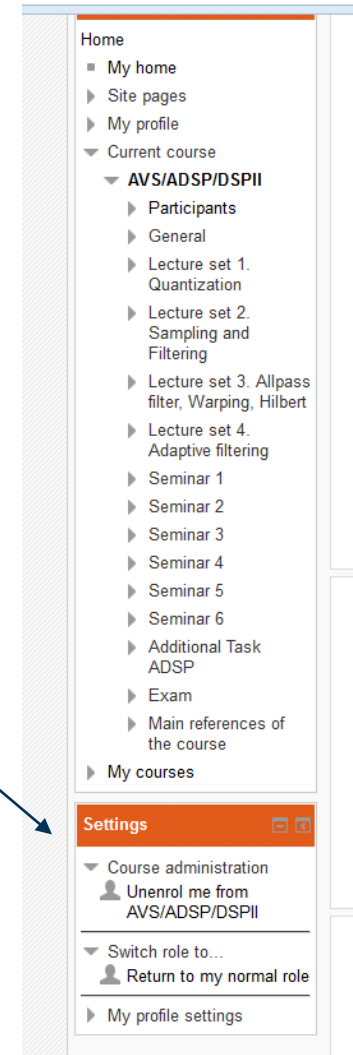
2.Scroll

AVS / ADSP / DSP II
Teacher: Alina Rubina
Teacher: Gerald Schuller

3.Click

Moodle (3)

- Enroll in course
- Follow the Moodle for new materials, announcements and quizzes
- Participate in Forums



Quizzes

- Test related to the latest lecture material
- Quizzes every week after the lecture
- Help in preparing for the **exam**
- For every quiz there is **one week** time to complete it
- **Deadlines** will be announced

Seminars

- Seminars every two weeks
- **First part** of the seminar (15-30 min):
 - Answers to questions
 - Solving moodle tasks
 - Explaining the next homework assignment
- **Second part**
 - Check of the previous homework task
 - Principle: **First in first out**

Matlab / Octave / Python

- **QtOctave**

- <http://www.malinc.se/math/octave/mainen.php> (Windows and Mac)
- Graphical user interface for Octave
- Freeware
- Includes a tutorial
- Apart from some syntax differences almost the same as Matlab

- **Matlab**

- for those who have it
- or use it at the computers at the UniRZ
- Tutorial will be available on moodle2

- **Python Pylab**

- Open source
- <http://ipython.org/install.html>

- **Helpful links**

- <http://www.mathworks.de/help/techdoc/>
- <http://www.gomatlab.de/> (german)

Thank you for your attention!

