Medizinische Fakultät Heidelberg

Online studieren in Heidelberg – der Aufbau des Master Online „Advanced Physical Methods in Radiotherapy“ (APMR)

Marcel Schäfer
E-Learning Koordinator

MASTER ONLINE
ADVANCED PHYSICAL METHODS IN RADIOTHERAPY

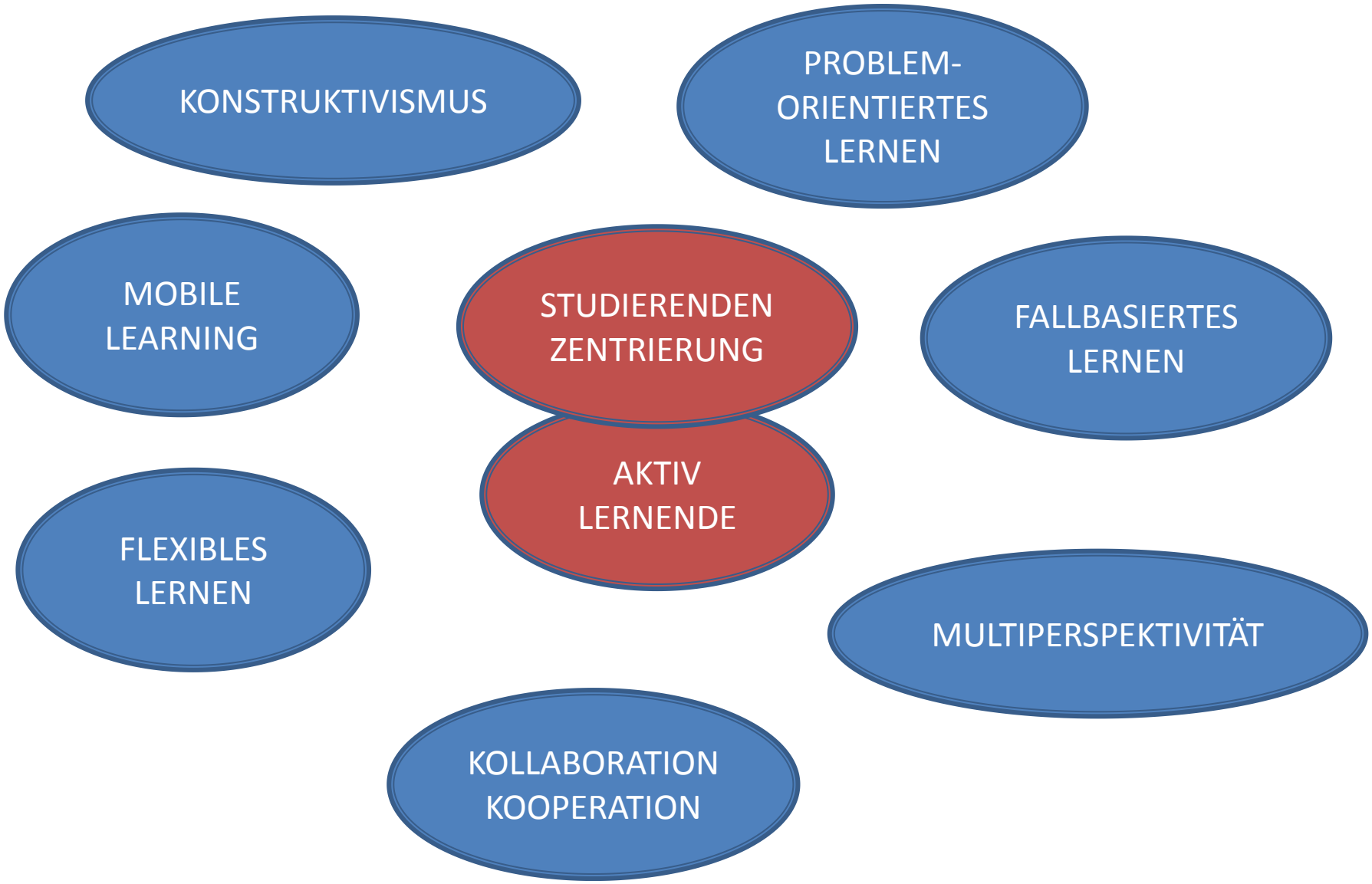
APMR im Überblick: institutioneller Rahmen

- **Fach: Medizin-Physik**
- **Abschluss: Master of Science (MSc)**
- **Dauer: 4 Semester**
- **Art: weiterbildender & gebührenpflichtiger Masterstudiengang**
- **Konzept: international, englischsprachig, online, blended learning**
- **ECTS-Punkte: 120 Punkte**
  - **45 Punkte für Vorleistungen**
    - **erster berufsqualifizierender Abschluss z.B. BSc**
    - **Mind. 2 Jahre Berufserfahrung**
    - **Grundkenntnisse im Bereich Medizin-Physik**
  - **75 Punkte durch Studium**
    - **37,5 Punkte online (5 Online-Module)**
    - **7,5 Punkte on-site (1 Praktikumsmodule)**
    - **30 Punkte Masterarbeit**

APMR im Überblick: zeitlicher Rahmen

Semester 1	Semester 2	Semester 3	Semester 4
M I **Introduction to VLE** (3 weeks)	**M 3** **Ion Therapy** (3 months)	**M 5** **Advanced Dosimetry and Quality Assurance (QA)** (3 months)	**M T** **Master's thesis** (6 months)
Attendance phase 1 (1 day, optional)	Attendance phase M2, M3 (4 days)	Attendance phase M4, M5 (4 days)	
M 1 **Anatomy and Imaging for Radiotherapy** (3 months)	**M 4** **Image Guided Radiotherapy (IGRT) and Adaptive Radiotherapy (ART)** (3 months)	**M P** **4 Internships** Attendance phase (7-14 days)	
Attendance phase (1.5 days)			
M 2 **Intensity Modulated Radiotherapy (IMRT)** (3 months)			

Didaktisches Konzept



Herausforderungen und Tipps

Lehrende

Studierende

APMR Team

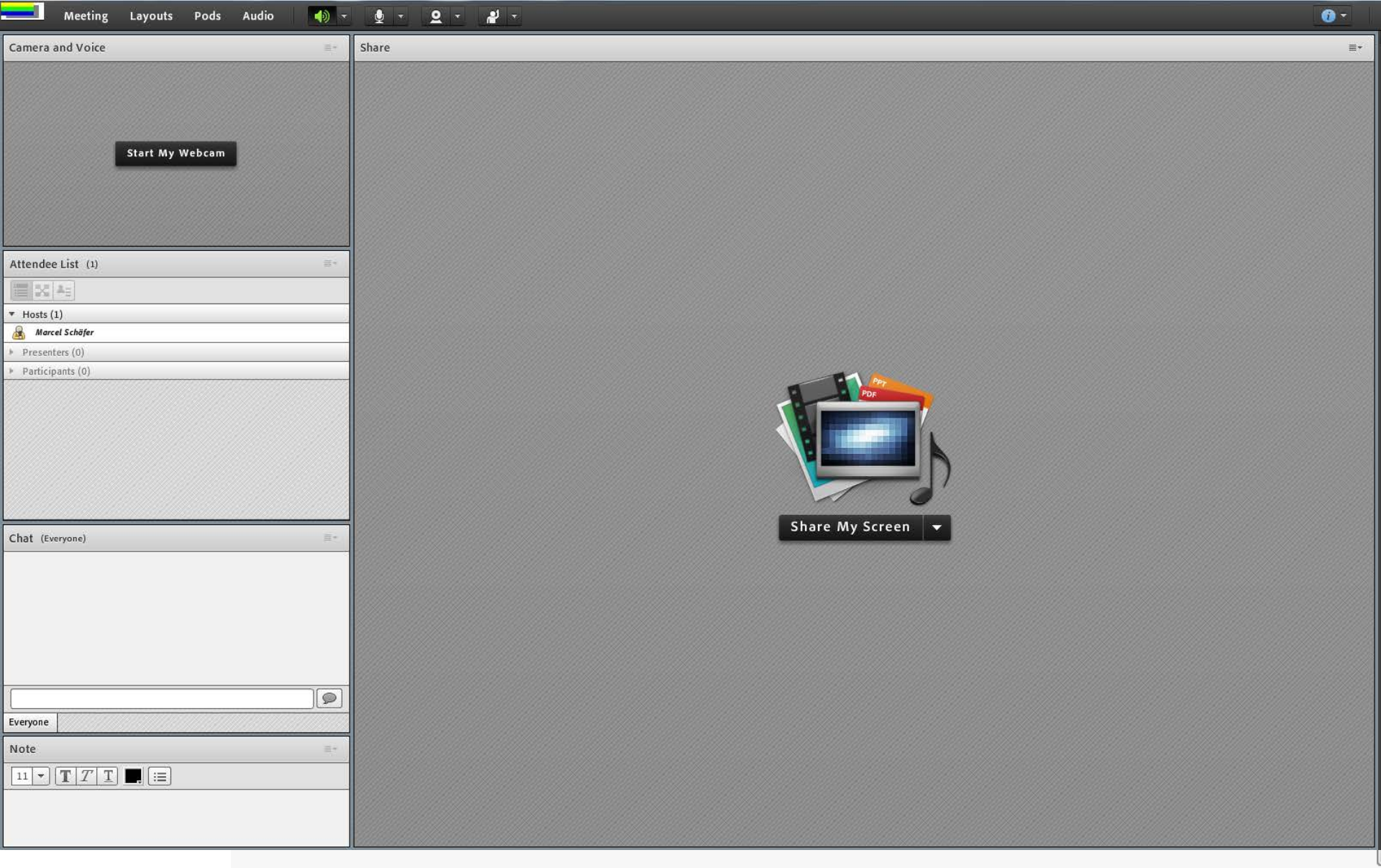
Technik

Task:

Treatment of patients in radiation oncology is decided depending on several factors (histology, location of the tumor, treatment alternatives, radiation alone or combination with chemotherapy). The following group work including 4 clinical cases is aimed at a better understanding of treatment concepts, decision pathways and treatment planning with different radiation modalities.

You can work on the cases by yourself, or in groups of 2-3 students. Please describe briefly how you would treat the patients, what the treatment alternatives might be, and which approach using modern radiation oncology could be chosen. Please work on at least **1 of the 4** cases.

The solution to each of the cases will become available online in the next few days in M3.6 in Moodle.



Group names:

Case 1
Case 2
Case 3

APMR: Online expert lecture: Combs_1 - Mozilla Firefox

https://webconf.vc.dfn.de/p2iqtatgg4e/?launcher=false&fcsContent=true&pbMode=normal

Attendee List (8)

- Veranstalter (1)
  - Benutzer 1
- Moderatoren (7)
  - Benutzer 2
  - Benutzer 3
  - Benutzer 4
  - Benutzer 5
  - Benutzer 6
  - Benutzer 7
  - Benutzer 8
- Teilnehmer (0)

Chat (Alle)

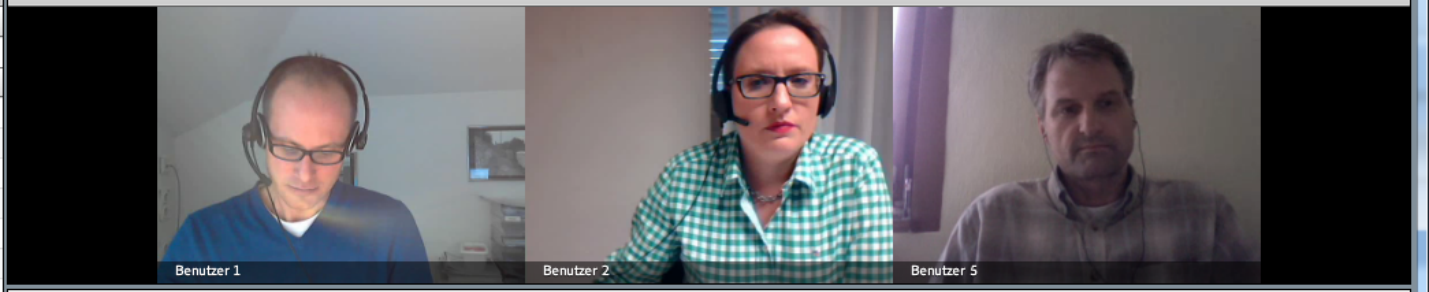
Benutzer 4: Hello

Benutzer 4: looks like I am the first one

Benutzer 4: :-)

Benutzer 4: i think t was me... sorry

Camera and Voice



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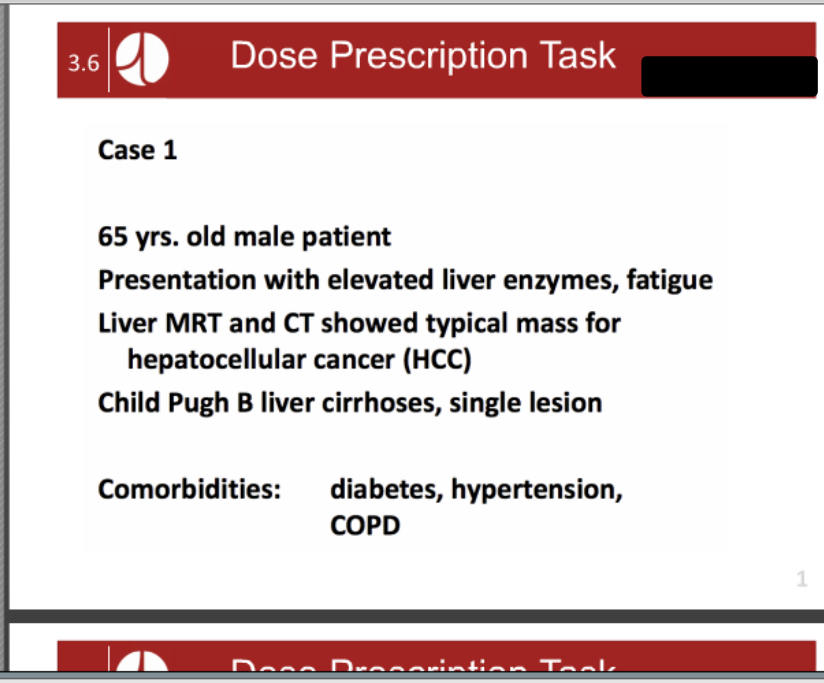

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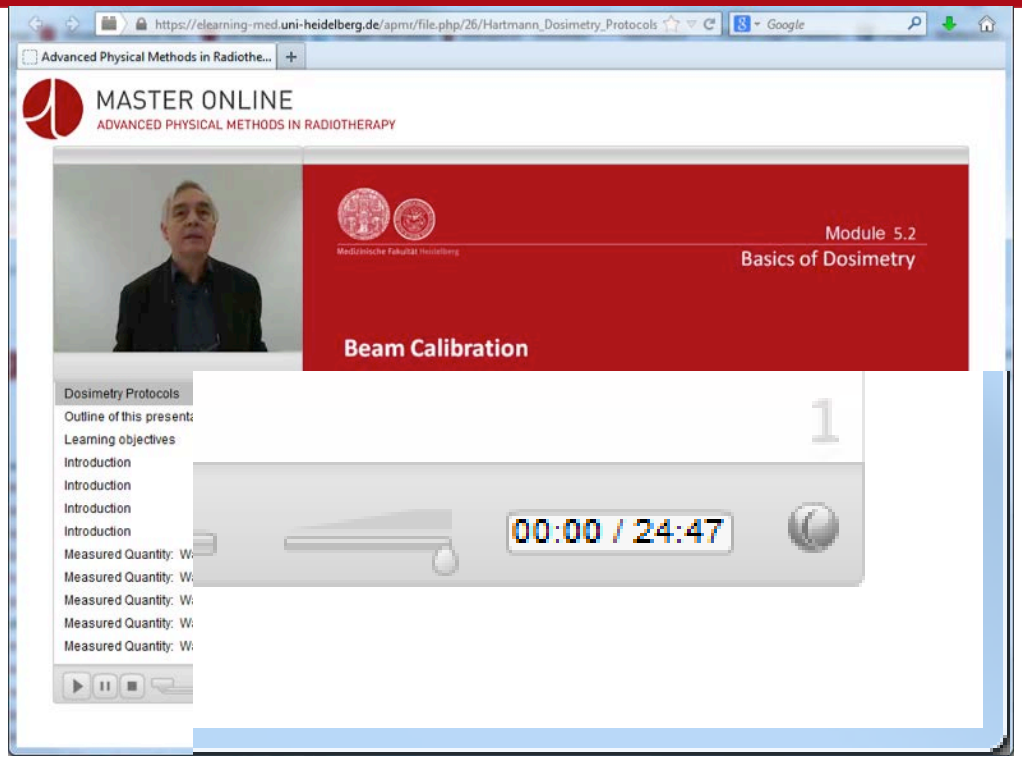
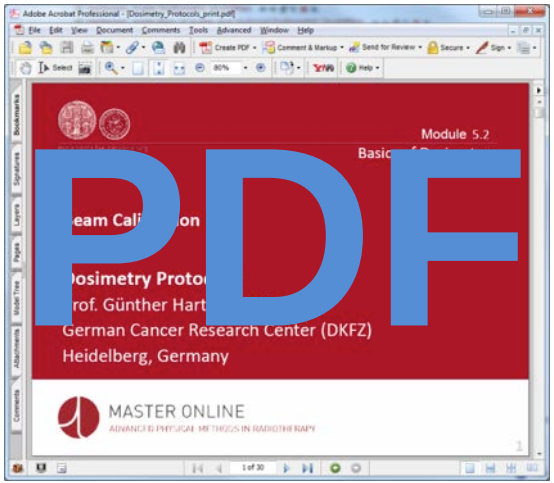
Beispiel 2: Video lectures





mp4 PDF mp3

Aufzeichnungssetting

Medizinische Fakultät Heidelberg

Medizinische Fakultät H

ll programs in Medical

otherapy" (APMR)
P)

MR guest area to join a
sity:

year

mr@uni-hd.de or use

Main Menu

APMR and CMP Problems Forum

RSS Feeds

medicalphysicsweb: Newsfeed

RSNA session to discuss benefits of next-generation modular imaging systems

CT Lung Cancer Screening Could Save 12,000 Lives — Or More

Source site...

- APMR winter semester 2012/13
- APMR summer semester 2013
- APMR: winter semester 2013/14
- APMR guest area
- APMR: ASPCEM Area

Calendar

October 2013

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Upcoming Events

WINTERTIME in Germany!!!
Today

Self-test M4.4 (Testschließung)
Wednesday, 30 October

Online Expert Lecture: Giesel: topic "Limbs"
Wednesday, 6 November

Self-test M1.2 (Testöffnung)
Friday, 8 November

Online expert guest lecture: Tom Depuydt
Tuesday, 12 November, 18:00 » 19:30

Online expert guest lecture: Heinz Deutschmann
Thursday, 14 November, 18:00 » 19:30

Betreuungskonzept

1. APMR Problems Forum

2. APMR Team:

3. Hiwis: 40h/Monat (2-3 Personen)

Fazit

- Studierende müssen an das Online-Lernen herangeführt werden.
- Betreuung der Studierenden ist wichtig, aber aufwendig.
- Lehrkräfte müssen an das Online-Lehren herangeführt werden.

Vielen Dank für Ihre Aufmerksamkeit

Kontakt:

Marcel Schäfer

m.schaefer@uni-hd.de

Skype: mschaeferskype

www.apmr.uni-hd.de