A BRIEF INTRODUCTION TO MATERIALS SCIENCE COURSE (WINTER SEMESTER 2023/24)

BY FACHSCHAFT MATERIALS SCIENCE

Version: 2020
[REF: SATZUNG DES FACHSCHAFTSRATS DER FACHSCHAFT MATERIALS SCIENCE]

WE ARE HERE TO HELP YOU WITH STUDY OR EXAM RELATED ISSUES.

REACH US AT
https://groups.uni-paderborn.de/fs-materialsscience/
THE MAIN TASKS UNDERTAKEN

- Issues related to lectures, course modules, lab reports, PAUL
- To provide Exam protocols to students
- Organize activities like O-week, Election, Counselling, Parties, etc.
Total Credit Points = 120 CP

- 51 CP = Compulsory modules
- 34 CP = Elective modules
- 5 CP = General studies
- 24 CP = Master's Thesis
- 6 CP = Oral defense

The modules are compulsory or elective modules. The elective modules are organized in four thematic areas:

1) Materials analysis
2) Materials chemistry and processing
3) Functional materials
4) Computer-aided materials sciences.

At least one module must be taken from three of these four areas. In total, two modules worth 5 CP and four modules worth 6 CP must be taken from the elective area. Beyond that, the student is responsible for choosing her or his specialization.
## Mandatory courses

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<th>Module</th>
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### Elective Courses

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### Topical Overview of Elective Course-Areas

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## SAMPLE COURSE PLAN

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FORM OF ASSESSMENT

Written Exam

Oral Exam

Written project report with final presentation

Assessment of practical

Presentation
GRADING OF ASSESSMENT IN MODULES

1 = very good: an outstanding performance
2 = good: a performance significantly above the average requirements
3 = satisfactory: a performance that meets the average requirements
4 = adequate: a performance which, despite its defects, still satisfies the requirements
5 = unsatisfactory: a performance which no longer satisfies the requirements because of serious defects.

Note: A module is completed when all assessments have been completed, i.e., the final module examination or partial module examinations have been passed with a minimum grade of “adequate”. The module grade corresponds to the grade achieved in the module examination.
A final module examination or partial module examination that has been passed can neither be retaken nor improved.

A final module examination or partial module examination that has been failed can be retaken three times. If an examination is being retaken, the same course may be repeated or, if the course choice allows, a different course permitted for the relevant final module examination or partial module examination may be selected.

If no further retakes are possible, the examination has been definitively failed.

Examinations are usually held twice in the academic year. Retakes are usually offered at the latest eight weeks from the date of the first examination.

If the master's thesis and the oral defence are “unsatisfactory”, they may be repeated once and immediately. In the case of a retake of the master's thesis, a return of the topic within the period specified in Section 16 para. 3 is only permitted, however, if the option to return the topic was not exercised in the first attempt.
WITHDRAWAL, FAILURE TO APPEAR

01
Withdrawal of registration for examinations is possible on the Campus Management System of Paderborn University without specifying reasons up to a week before the respective examination date.

02
An assessment is deemed to be “unsatisfactory” (5.0) if the candidate fails to appear at an examination without good reason or leaves after the start of the examination without good reason or withdraws from the examination after the registration periods specified under para. 1 have elapsed without giving good reason.

03
The reasons asserted for the withdrawal must be made known to the Examinations Board immediately in writing to its satisfaction, and at the latest five working days from the respective examination date.
ADMISSION TO MASTER’S THESIS

- Those who have successfully completed module examinations worth 90 CP shall be admitted to the master’s thesis.
- It shall normally commence at the latest four weeks after all of the module examinations have been passed.
PAUL

Campus Management System of Paderborn University

https://paul.uni-paderborn.de

- Course registration
- Exam registration
- Lecture Schedule
- Messages
- Study material
- Contact persons:
  - for exam related issues: **Karin Schäfer, room:C2.229**
  - for problems with course registration: **Dr. Andreas Hoischen, room: NW1.884**
PANDA

https://panda.uni-paderborn.de/
- New learning platform of the university
- Lecture specific forums
- Study material
- Messages
- Some Lecturers use PANDA instead of PAUL to provide lecture materials and information
OLD EXAMS on our Website

https://groups.uni-paderborn.de/fs-materialsscience/

- Platform for collection of old exams and thought protocols
- How to get access to Materials Science group: FAQ on our homepage, question 1) (https://groups.uni-paderborn.de/fs-materialsscience/FAQ.html)
- Collecting exams/thought protocols is the responsibility of all students!
- Exams are seldom handed out, but asking the teacher after the exam is always worth it
- Idea for thought protocols: divide the tasks with your classmates
QUESTIONS