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**ELECTIVES: 2 x Elective Sections (each 8 CP Advanced Lab + min. 6 CP other courses see list below)**

**ELECTIVES: 2 x Elective Sections (each 8 CP Advanced Lab + min. 6 CP other courses)**

### Biomaterials in Medicine
- **Winter**: Biocompatibility (11938; 3 CP)
- **Summer**: Cell Mechanics and Interactions with Biomaterials (11270; 2 CP) (dates will be announced)
- **Chemistry**: Characterization Techniques for Fuel Cells and Batteries (12646; 3 CP)
- **Materials and Engineering Science**: Exploring the Nanoworld with X-Rays and High-Energy Electrons (11271; 3 CP) Micro- and Nanotechnology (11330; 4 CP)
- **Physics**: Studies of Bioactive Surfaces-L-H-E (11470; 5 CP)
- **Nanomaterials**: Colloids Chemistry (12035; 3 CP)
- **Chemistry**: Energy Carrier (11630; 3 CP) Interfacial Catalysis and Electrochemical Catalysis (11470; 5 CP)

### Biomaterials in Medicine II
- **Winter**: Biocompatibility (11938; 3 CP)
- **Summer**: Cell Mechanics and Interactions with Biomaterials (11270; 2 CP)
- **Chemistry**: Characterization Techniques for Fuel Cells and Batteries (12646; 3 CP)
- **Materials and Engineering Science**: Exploring the Nanoworld with X-Rays and High-Energy Electrons (11271; 3 CP) Micro- and Nanotechnology (11330; 4 CP)
- **Physics**: Studies of Bioactive Surfaces-L-H-E (11470; 5 CP)
- **Nanomaterials**: Colloids Chemistry (12035; 3 CP)
- **Chemistry**: Energy Carrier (11630; 3 CP) Interfacial Catalysis and Electrochemical Catalysis (11470; 5 CP)

- **Winter**: Principles of Transmission Electron Microscopy (14121; 4 CP) Laboratory Principles of Transmission Electron Microscopy (13443; 2 CP) Polymers in Medicine (10909; 2 CP)
- **Summer**: Characterization Techniques for Fuel Cells and Batteries (12646; 3 CP)
- **Chemistry**: Characterization Techniques for Fuel Cells and Batteries (12646; 3 CP)
- **Materials and Engineering Science**: Exploring the Nanoworld with X-Rays and High-Energy Electrons (11271; 3 CP) Micro- and Nanotechnology (11330; 4 CP)
- **Physics**: Studies of Bioactive Surfaces-L-H-E (11470; 5 CP)
- **Nanomaterials**: Colloids Chemistry (12035; 3 CP)
- **Chemistry**: Energy Carrier (11630; 3 CP) Interfacial Catalysis and Electrochemical Catalysis (11470; 5 CP)

- **Winter**: Nanomaterials (NEW 6 CP) (= old: Semiconductor Sensors) Compound Semiconductors (11272; 3 CP) Thin Films Lab (13902; 3 CP)
- **Summer**: Solid State Sensors (NEW 6 CP) (= old: Semiconductor Sensors) Compound Semiconductors (11272; 3 CP) Thin Films Lab (13902; 3 CP) Advanced Materials Science (14161; 5 CP)
- **Chemistry**: Characterization Techniques for Fuel Cells and Batteries (12646; 3 CP)
- **Materials and Engineering Science**: Exploring the Nanoworld with X-Rays and High-Energy Electrons (11271; 3 CP) Micro- and Nanotechnology (11330; 4 CP)
- **Physics**: Studies of Bioactive Surfaces-L-H-E (11470; 5 CP)
- **Nanomaterials**: Colloids Chemistry (12035; 3 CP)
- **Chemistry**: Energy Carrier (11630; 3 CP) Interfacial Catalysis and Electrochemical Catalysis (11470; 5 CP)

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