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**Modulbezeichnung:** Physical Chemistry (CM-PC) **10 ECTS**  
 (Physical Chemistry)

Modulverantwortliche/r: Dirk Guldi

Lehrende: Thomas Drewello, Carola Kryschi, Jörg Libuda

Startsemester: SS 2021

Dauer: 2 Semester

Turnus: halbjährlich (WS+SS)

Präsenzzeit: 90 Std.

Eigenstudium: 210 Std.

Sprache: Englisch

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**Lehrveranstaltungen:**

Physical Chemistry (SS 2021, Vorlesung mit Übung, 3 SWS, Thomas Drewello et al.)

Physical Chemistry (WS 2021/2022, Vorlesung mit Übung, 3 SWS, Jörg Libuda)

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**Inhalt:**

- introduction to the current topics of research in the field of physical chemistry
- developing the basics of physical chemistry at the level of a scientifically oriented Master's program
- deepening of knowledge in the specialized field of the lecturers involved in this module to the limit of current knowledge

**Lernziele und Kompetenzen:**

Students

- apply fundamental knowledge of physical chemistry to particular topics in research
  - develop model-like descriptions for complex physicochemical systems and model experimental data
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**Studien-/Prüfungsleistungen:**

Physical Chemistry (Prüfungsnummer: 65051)

Prüfungsleistung, mündliche Prüfung, Dauer (in Minuten): 30

Anteil an der Berechnung der Modulnote: 100%

weitere Erläuterungen:

O30(PL): Oral examination (30 min) or alternative examination according FAU Corona Statutes!

Prüfungssprache: Englisch

Erstablingung: WS 2021/2022, 1. Wdh.: SS 2022

1. Prüfer: CM-PC (N70012)

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**Organisatorisches:**

- Please note: students have to register for the module examination (check registration periods on meinCampus)!
- More information via studon!

**Bemerkungen:**

Students of M.Sc. Chemistry have to choose 2 Core Modules out of 4 (Inorganic, Organic, Physical and Quantum chemistry).

Please note: If you choose the **Core Module Physical Chemistry**, you have to take the module **Physical Chemistry laboratory (CM-PC-Lab)**, too!

**Physical Chemistry** can be taken either as Core Module or as Compulsory Elective Module.