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**Modulbezeichnung:** Physical chemistry (CS-PC) 15 ECTS  
(Physical chemistry)

Modulverantwortliche/r: Hans-Peter Steinrück  
Lehrende: Lecturers of physical chemistry

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Startsemester: SS 2017	Dauer: 1 Semester	Turnus: halbjährlich (WS+SS)
Präsenzzeit: 195 Std.	Eigenstudium: 255 Std.	Sprache: Englisch

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**Lehrveranstaltungen:**

Research project in Physical Chemistry, lasting 6 weeks (ca. 15 SWS/LAB) full time in a work group of the student's choice at a research group in Physical Chemistry at the Department of Chemistry and Pharmacy  
Specialisation module PC (SS 2017, Praktikum, 15 SWS, Hans-Peter Steinrück et al.)

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**Empfohlene Voraussetzungen:**

Admission to the M. Sc. program Chemistry, **successfully passed mandatory module CM3-PC**

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**Inhalt:**

- introduction to the current issues of research in the field of Physical Chemistry
- integration in research group and instruction in scientific work
- familiarisation in fundamental concepts within a special subject of Physical Chemistry - to the limits of science
- finding answers to open questions in research project by means of experimental work

**Lernziele und Kompetenzen:**

Students

- apply and transfer knowledge acquired during their studies to handle and solve open questions in research project
- interpret experimental data independently
- compare and evaluate results with literature data
- illustrate data in meaningful graphs
- present and discuss scientific results referring to literature in verbal and written form

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**Verwendbarkeit des Moduls / Einpassung in den Musterstudienplan:**

Das Modul ist im Kontext der folgenden Studienfächer/Vertiefungsrichtungen verwendbar:

[1] **Chemie (Master of Science): ab 3. Semester**

(Po-Vers. 2009 | NatFak | Chemie (Master of Science) | Vertiefungsmodul | Physikalische Chemie)

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**Studien-/Prüfungsleistungen:**

Protokoll Physikalische Chemie (Prüfungsnummer: 66901)

(englische Bezeichnung: Notes: Physical Chemistry)

Prüfungsleistung, Protokollheft

Anteil an der Berechnung der Modulnote: 100%

weitere Erläuterungen:

Assessment and Examinations: LAB (PL, AP), Calculation of the grade for the module: Final grade of the written report

Prüfungssprache: Englisch

Erstablingung: SS 2017, 1. Wdh.: keine Angabe

1. Prüfer: Hans-Peter Steinrück

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**Organisatorisches:**

Frequency of offer: continuously,

intended stage in the degree course: Semester 2 - 3