

CLASS SCHEDULE 3rd SEMESTER WS 2019/2020
EMM Nanoscience and Nanotechnology – Specialization BIOPHYSICS

Time/Day	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:20-10:50 (2. DS)				08:30-10:00 L: Introduction to Nanobiotechnology (Dr. Opitz) BIOTEC, E06	
11:10-12:40 (3. DS)		L: Cellular Machines (Prof. Diez) BIOTEC, E05/06 until December	L: Surface Chemistry (Prof. Werner) CRTD Auditorium right	10:15-12:30 L: Genomes and Evolution (Prof. Stewart) BIOTEC E05/E06	
13:00-14:30 (4. DS)		S: Cellular Machines (Prof. Diez) BIOTEC, E05/06 until December		13:00-15:15 L: Introduction to Proteomics (Prof. Alberti) BIOTEC E05/E06	
14:50-16:20 (5. DS)		15:00 – 16:30 L: Biophysical Methods (Prof. Schlierf) CRTD Auditorium right			16:00 – 17:00 Optional: PhD-Seminar CRTD Auditorium
16:40-18:10 (6. DS)		S: Biophysical Methods (Prof. Schlierf) CRTD Auditorium right			

L: Lecture; E: Exercise; S: Seminar; P: Practical ; **Black colour: core courses Biophysics- 9 ECTS + Lab Rotation Biophysics – 6 ECTS (to be organized individually);**
Blue colour: Biological Oriented Module – 6 ECTS: choose 2 topics (-one more topic which can be chosen – Developmental Biology – takes place in summer term (April – July 2019))

Lab Classes:

- Lab Course “Cellular Machines” (Prof. Diez/Dr. Schlierf): October 2 and October 4-5, 2018, BCUBE
- Lab Course “Biophysical Methods” (Prof. Schlierf): 2-3 days in February-March 2019, BIOTEC, 3rd floor.

Electives/broadening courses/lectures to be chosen out of – 9 ECTS to be done

Biofunctionalised Surfaces (3 ECTS)	Dr. Bierbaum, PD Hintze	Fridays 13:00-14:30, MBZ/SR (groundfloor)
Biological Hydrodynamics (5 ECTS)	Prof. Grill	Wednesdays 11:10-12:40, MPI-PKS, seminar room 3 + exercises Thursdays 14:50-16:20, same place.
Biomedical Tissue Engineering (3 ECTS)	Dr. Corbeil	Thursdays 8:30-10:00 and Fridays 13:00-15:00, BIOTEC, E05/06, until December
Concepts of Molecular Modelling (5 ECTS)	Prof. Cuniberti/Dr. Gutierrez	Tuesdays 9:20-10:50, HSZ/403/H + Exercises Wednesdays 14:50-16:20 HSZ/403/H – main campus TUD
Current Topics in Materials Science (3 ECTS)	Prof. Cuniberti/Plump	Fridays 11:10-12:40, HAL, 115
Electromechanical Networks (4 ECTS)	Prof. Marschner	Thursdays 9:20-10:50, MIE 116 + Exercises Wednesdays 9:20-10:50, even weeks, MIE 116
Environmental Nanotechnology (3 ECTS)	Prof. Cuniberti/Dr. Licciardello	Offered in summer term
Genomes and Evolution (3 ECTS)	Prof. Stewart	Thursdays 10:15-12:30, BIOTEC E05/06
Integrated Circuits for Broadband Communications (6 ECTS)	Prof. Ellinger	Tuesdays 14:50-16:20, SCH/A316/H & Fridays 7:30-10:50, BAR 205
Introduction to/Elements of Nanobiotechnology	Dr. Optiz	Thursdays 08:30-10:00, BIOTEC E06
Introduction to Proteomics (3 ECTS)	Prof. Alberti	Thursdays 13:00-15:15, BIOTEC E05/06
Magnetism on the Nanoscale (3 ECTS)	Prof. Büchner	Mondays 16:40-18:10, IFW, DE2E.27
Materials for Nanoelectronics (6 ECTS)	Prof. Richter	Thursdays 11:10-12:40, SCH/A118/H
Molecular Electronics (3 ECTS)	Dr. Moresco	Wednesdays 11:10-12:40, TOE/317/H
Nanooptics (3 ECTS)	Prof. Eng	Mondays 13:00-14:30, main campus TUD, REC/B124
Physical Characterization of Organic and Organic-Inorganic Thin Film (3 ECTS)	Prof. Zschech	Thursdays 14:50-16:20 (Lecture), BAR/213/H
Protein Engineering (3 ECTS)	Prof. Alberti	Fridays 9:20-11:30, BIOTEC E05/E06, until December
Stem Cell Engineering (3 ECTS)	Prof. Anastasiadis	Thursdays 10:30-13:00, CRTD SR3&4, until December
Surface Chemistry (3 ECTS)	Prof. Werner	Wednesdays 11:10-12:40, CRTD Auditorium Right

Orange colour: place and time to be confirmed

Locations

- BIOTEC: Biotechnology Center: Tatzberg 47/49
 - CRTD: Center for Regenerative Therapies Dresden: Fetscherstr. 105
 - BAR: Barkhausen-Bau (Barkhausen building), Helmholtz-Str. 18 (main campus of TU Dresden)
 - GÖR: Görge-Bau (building Görge), Helmholtzstr. 9 (main campus of TU Dresden)
 - HAL: Hallwachsstrasse 3 (main campus of TU Dresden)
 - INF: Faculty of Informatics, Nöthnitzer-Str. 46 (main campus of TU Dresden)
 - IFW: Leibniz Institute for Solid State and Materials Research Dresden, Helmholtzstraße 20 (main campus of TU Dresden)
 - MBZ: Max Bergmann Center for Biomaterials, Budapester-Str. 27
 - MIE: Mierdel-Bau, Nöthnitzer Str. 64 (main campus TU Dresden)
 - MPI-PKS: Max Planck Institute for Physics of Complex Systems, Nöthnitzer-Str. 38 (main campus TU Dresden)
 - REC: Recknagel-Bau, Haeckel-Str. 3 (main campus of TU Dresden)
 - TOE: Toepler-Bau, Mommsenstr. 12
 - ZEU: Zeuner-Bau, George-Bähr-Str. 3c
- s. also TUD campus navigator: <https://navigator.tu-dresden.de/>

Start of the lectures: October 14, 2019

No lectures:

Reformation Day:	October 31, 2019
Penance Day:	November 20, 2019
Christmas/New Year:	December 22, 2019 – January 5, 2020

Lectures run until 8 February 2020 except where indicated “until December”. For the lectures running until December only, exams would take place in the 2 first weeks of January. For the other courses, the **exam period is between 10 and 28 February 2020**