

V-Modul Complex Systems in Biomedical Applications

Time Table

13.10.2024	15:00 - 19:30		Takustraße 9	25 years Bioinformatics	
20.10.2024	14:30 – 16:00	Lecture	UntR 039 // VW23	Introduction to Physiological Systems Modeling	Brauns
20.10.2024	16:15 - 17:45	Exercise	UntR 039 // VW23	Introduction to Physiological Systems Modeling	Brauns
27.10.2024	14:30 – 16:00	Lecture	UntR 039 // VW23	Biological Rhythms & Time-Series Analysis	Brauns
27.10.2024	16:15 - 17:45	Exercise	UntR 039 // VW23	Biological Rhythms & Time-Series Analysis	Brauns
3.11.2024	14:30 – 16:00	Lecture	UntR 039 // VW23	Exercise Physiology & Performance Modeling	Brauns
3.11.2024	16:15 - 17:45	Exercise	UntR 039 // VW23	Exercise Physiology & Performance Modeling	Brauns
10.11.2024	14:30 – 16:00	Lecture	SR 038 // VW23	Energy Balance & Body Composition	Brauns
10.11.2024	16:15 - 17:45	Exercise	SR 038 // VW23	Energy Balance & Body Composition	Brauns
17.11.2024	14:30 – 16:00	Lecture	UntR 102 // VW24	Thermoregulation & Environmental Physiology	Brauns
17.11.2024	16:15 - 17:45	Exercise	UntR 102 // VW24	Thermoregulation & Environmental Physiology	Brauns
24.11.2024	14:30 – 16:00	Exercise	SR 106 // VW24	Project Work: Modeling Physiological Systems 1	Brauns
24.11.2024	16:15 - 17:45	Exercise	SR 106 // VW24	Project Work: Modeling Physiological Systems 1	Brauns
01.12.2024	14:30 – 16:00	Exercise	SR 106 // VW24	Project Work: Modeling Physiological Systems 2	Brauns
01.12.2024	16:15 - 17:45	Exercise	SR 106 // VW24	Project Work: Modeling Physiological Systems 2	Brauns

08.12.2025	14:30 – 16:00	Lecture + Exercise	CBF	Diffusion (Pattern formation	Günzel
08.12.2025	16:15 - 17:45		CBF	in embryology)	
15.12.2025	14:30 – 16:00	Lecture + Exercise	CBF	Buffering/Sequestration: intra-/	Günzel
15.12.2025	16:15 - 17:45		CBF	extracell. pH, Ca in muscle	
05.01.2025	14:30 – 16:00	Lecture + Exercise	CBF	Channels/Aquaporins	Günzel
05.01.2025	16:15 - 17:45		CBF	from nerve to kidney	
12.01.2025	14:30 – 16:00	Lecture + Exercise	CBF	Carriers/Transport coupling	Günzel
12.01.2025	16:15 - 17:45		CBF	energetics and equilibria	
19.01.2025	14:30 – 16:00	Lecture + Exercise	CBF	Pumps:	Günzel
19.01.2025	16:15 - 17:45		CBF	ATPases and beyond	
26.01.2025	14:30 – 16:00	Lecture + Exercise	CBF	Tight Junctions	Günzel, Piontek
26.01.2025	16:15 - 17:45		CBF	The paracellular pathway	
02.02.2025	14:30 – 16:00	Lecture + Exercise	CBF	Epithelial Transport	Günzel
02.02.2025	16:15 - 17:45		CBF	trans or para?	
09.02.2025	14:30 – 16:00	Exercise	CBF	Final results	Günzel
09.02.2025	16:15 - 17:45	Exercise	CBF	Q & A	
Mid/end February	(Planned)	exam			Günzel, Brauns

Seminar Rooms at CCM (Charité Mitte, see map below):

VW: Virchowweg;

Seminar Rooms at CBF (Campus Benjamin Franklin; Hindenburgdamm 30 in Steglitz) will be announced later.

CCM:

