

Master “Interdisciplinary Neuroscience”

Lecture “Neuroscience I – selected topics ” WS 2021/22

Venue:

Campus Riedberg, Biologicum, Bio -1.203 (basement) , lecture hall 2

or

Campus Niederrad, Building 89, Neuroscience Center, seminar room

Topics of the lecture are structured according to the chapters in the textbook Bear et al: “Neuroscience: Exploring the brain” (4th edition)

Additional literature to the lecture: Kandel et al.: “Principles of Neural Science”; Galicia & Lledo (eds): “Neurosciences - From Molecule to Behavior: A University Textbook”; Squire et al.: “Fundamental neuroscience”

Date		Lecturer	Topic
Mon, 29.11.21 16:00 Zoom session	Lecture 1 Chapter 2	Zimmermann	Neurons, Glia and Vasculature
Wed, 01.12.21 09:00 Campus Riedberg	Lecture 2 Chapter 5	Klein	Synaptic Transmission / Neurotransmitter Systems
Mon, 06.12.21 16:00 Campus Riedberg	Lecture 3 Chapter 6	Klein	Synaptic Transmission / Neurotransmitter Systems
Tue ! 07.12.21 09:00 Campus Riedberg	Lecture 4 Chapter 8	Grünwald	The Chemical Senses
Wed, 08.12.21 09:00 Campus Riedberg	Lecture 5 Chapter 9	Peichl	The Eye /Central Visual System
Mon, 13.12.21 16:00 Campus Riedberg	Lecture 6 Chapter 10	Peichl	The Eye /Central Visual System
Wed, 15.12.21 09:00 Campus Riedberg	Lecture 7 Chapter 11	Kössl	Auditory System/Cochlea
Thu ! 16.12.21 08:00 Campus Niederrad	Lecture 8 Chapter 13	Roeper	Control of Movement
Fri ! 17.12.21 08:00 Campus Niederrad	Lecture 9 Chapter 14	Roeper	Control of Movement
Mon, 10.01.22 16:00 Campus Riedberg	Lecture 10 Chapter 12	Hechavarria	Central Auditory System

Tue ! 11.01.22 09:00 Campus Riedberg	Lecture 11 Chapter 15	Klein	Chemical Control of the Brain and Behavior
Wed, 12.01.22 Lecture will be provided in OLAT	Lecture 12 Chapter 16,17,18	Duvarci	Affective Neuroscience/Motivation
Mon, 17.01.22 16:00 Campus Niederrad	Lecture 13 Chapter 16,17,18	Duvarci	Affective Neuroscience/Emotions
Wed, 19.01.22 09:00 Campus Riedberg	Lecture 14 Chapter 20	Kössl / Kell	Language (extended lecture; no seminar that day)
Mon, 24.01.22 16:00 Campus Niederrad	Lecture 15 Chapter 19	Maronde	Brain Rhythms and Sleep
Thu ! 27.01.22 09:00 Campus Riedberg	Lecture 16 Chapter 21	Gaese	Attention
Mon, 31.01.22 16:00 Campus Riedberg	Lecture 17 Chapter 23	Acker-Palmer	Wiring the Brain
Thu ! 03.02.22 09:00 Campus Niederrad	Lecture 18 Chapter 22	Sigurdsson	Mental Illness
Mon, 07.02.22 10:00 Zoom session	Lecture	Büchel	Rules of good scientific practice
Mon, 07.02.22 16:00 Campus Riedberg	Lecture 19 Chapter 24,25	Grünewald	Neurobiology of Learning and Memory
Wed, 09.02.22 09:00 Campus Riedberg	Lecture 20 Chapter 24,25	Grünewald	Molecular mechanisms of Learning and Memory formation
Wed, 23.02.22* 10:00 Campus Niederrad	hands-on course	Maronde, Rami	Human Brain Anatomy

** Human Brain Anatomy – Campus Niederrad, preparation course room in building 27, 10:00 - 12:00 and 13:00 - 15:00*

Exam: Wed, March 2, 2022 // 10:00h; Biologicum, room -1.203 (basement) , lecture hall 2

Redo-exam: Tuesday, April 5, 2022 // 10:00 h ; Biologicum, room 3.101 (Kössl group)