

Medical Physiology Practice schedule and topics (2024/25 spring semester)

academic week				practice (lab/coosp)	
				even# group	odd# group
1	2025.02.10.	-	2025.02.14.	briefing	
2	2025.02.17.	-	2025.02.21.	urinalysis	gastro
3	2025.02.24.	-	2025.02.28.	gastro	urinalysis
4	2025.03.03.	-	2025.03.07.	sports	endocrine
5	2025.03.10.	-	2025.03.14.	endocrine	sports
6	2025.03.17.	-	2025.03.21.	EEG	osmo-/volume reg.
7	2025.03.24.	-	2025.03.28.	osmo-/volume reg.	EEG
8	2025.03.31.	-	2025.04.04.	hearing	pH
9	2025.04.07.	-	2025.04.11.	pH	hearing
10	2025.04.21.	-	2025.04.25.	vision	reproductive
11	2025.04.28.	-	2025.05.02.	reproductive	vision
12	2025.05.05.	-	2025.05.09.	neurological exam.	motor
13	2025.05.12.	-	2025.05.16.	motor	neurological exam.
14	2025.05.19.	-	2025.05.23.	consultation, canceled lab. make-up	

Except for the first and last weeks, the even and odd groups alternate between **laboratory** (blue highlight) and **Coospace** practices (orange highlight).

Practices canceled due to holidays during the semester:

04.21. Monday (even# vision pract: 10^{MED}/2^{DENT}/4^{DENT})

04.22. Tuesday (even# vision pract: 8^{MED})

05.01. Thursday (odd# vision pract: 1^{MED}/3^{MED}/11^{MED})

The canceled laboratory practices will be made up by the groups involved at the last weekly session. Coospace practices can be completed throughout the week and are not affected by the public holiday.

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Topics for laboratory practices:

- **briefing:** safety training
- **urinalysis:** normal physical characteristics and chemical composition of urine, normal elements of sediment microscopy, specific gravity measurement, glucose, protein and ketone body detection, use and interpretation of urine test strips
- **sports:** examining the effects of exercise on respiratory and circulatory parameters, anthropometric measurements and calculations
- **EEG:** examination of central nervous system, EEG recording with BIOPAC system, GCS and Mini Mental tests, reaction time measurements
- **hearing:** examination of auditory (and balance) system, otoscopy, threshold audiometry, tuning fork tests, vestibulo-ocular reflex and nystagmus
- **vision:** examination of visual system, visual acuity, color vision testing, ophthalmoscopy, eye movement and visual field examination
- **neurological examination:** theory and practice of neurological examination: neck examination, cranial nerves, motor and sensory function testing
- **consultation, make-up session:** completion of canceled practices (see above), conclusion of semester

Topics for Coospace practices:

- **gastro:** gastrointestinal system function, digestion and absorption of macronutrients
- **endocrine:** general regulatory principles of endocrine systems, homeostasis of organic substances
- **osmo- and volume regulation:** regulation of body water compartments, homeostasis of inorganic substances
- **pH:** acid-base homeostasis
- **reproduction:** physiology of reproductive functions, pregnancy
- **motor:** functional morphology and connections of motor nervous system (basal ganglia, cerebellum)