

Syllabus
Pathological Physiology 1
Winter Semester 2021/2022
Week 1

General Medicine

A. Online lecture via Microsoft Teams

1. Etiology I

- Monogenic and chromosomal diseases
- Mendelian, non-Mendelian inheritance
- Epigenetics

B. Presence seminars according to schedules on department webpage (patfyz.medic.upjs.sk)

1. T: Introductory information and instructions

- Introduction to scientific work
- Introduction to pathophysiology

2. S: Nosology

- Health and disease
- Pathological signs, processes

Dental Medicine

A. Online lecture via Microsoft Teams

1. Oral health I.

- Physical & chemical lesions in oral cavity
- Reactive changes in the oral cavity

B. Presence seminars according to schedules on department webpage (patfyz.medic.upjs.sk)

1. T: Introductory information and instructions

- Introduction to scientific work
- Introduction to pathophysiology

2. S: Nosology

- Health and disease
- Pathological signs, processes

Seminars (S) = special topics for discussion; **Tutorials & homeworks & exams (T)** = discussions, consultations, oral and quiz exams on the current topics.

Note: The range of topics and their time-table during the tutorials and seminars in each group is determined by the teacher and to a large extent, by the presentations, consultation interests, questions and readiness of the group and may vary in between groups. Neither tutorials nor seminars are lectures, but dialogue and discussion and thus require an active participation and preparation of students for the topics.

Recommended audiovisual materials

Introduction to scientific work

- Evidence-Based Medicine <https://www.youtube.com/watch?v=RSHOrL4ko7A>
- "Evidence-based" Treatment: What Does It Mean? <https://www.youtube.com/watch?v=7dzkS0ioqqw>

Health and disease

- Health and disease <https://www.youtube.com/watch?v=jXcUaLPivVU>

Genetics

- The Structure of DNA https://www.youtube.com/watch?v=o_-6JXLYS-k
- GCSE Biology - DNA Part 1 - Genes and the Genome #48 <https://www.youtube.com/watch?v=vw1TQXBQ6wQ>

- GCSE Biology - DNA Part 2 - Alleles / Dominant / Heterozygous / Phenotypes and more! #49
<https://www.youtube.com/watch?v=zNEtVaNQ0s8>
- DNA replication - 3D <https://www.youtube.com/watch?v=TNKWgcFPHqw>
- From DNA to protein - 3D <https://www.youtube.com/watch?v=gG7uCskUOrA>

Please pay attention to the following documents:

- Rector's Order No. 9/2021 Specifying the Implementation of Teaching and the Implementation of Work Activities at UPJŠ in Košice in the Beginning of the Winter Semester 2021/2022
<https://www.upjs.sk/public/media/25491/PR-09-2021-covid-semafor-en.pdf>
- Annex No. 3 to the Rector's Order No. 9/2021- Covid SIGNAL LIGHTS at UPJŠ in Košice
<https://www.upjs.sk/public/media/25491/covid-semafor-PR-09-2021-en.pdf>
- Covid automat at UPJŠ MF for winter semester AY 2021/22
<https://www.upjs.sk/public/media/25466/Covid%20automat%20EN%20fin.pdf>
- Requirements for credits and exams in Pathological Physiology
<http://patfyz.medic.upjs.sk/Conditons%20for%20credit%20and%20exam%202019.pdf>