

**Program of Study** : General Medicine

**Course** : Pathology

**Abbreviation** : PAT/VAA11

**Schedule** : 45 hours of lectures  
60 hours of classes

**Course Distribution** : 3<sup>rd</sup> year, 5<sup>th</sup> semester

**Number of Credits** : 0

**Course Form** : Lectures, practical classes

**Lectures:**

**Teachers:** prof. MUDr. Jiří Ehrmann, Ph.D. (garant)

**Study:** Continuous

	<b>Date</b>	<b>Subject</b>	<b>No. of Less.</b>	<b>Teacher</b>
1	19/ 9/ 2022	Introduction. Basic terms in pathology. Cell injury. Necrosis, apoptosis, gangrene. Atrophy.	3	Ehrmann
2	26/ 9/ 2022	Disorders of metabolism of proteins, lipids, carbohydrates and nucleic acid. Impaired metabolism of water.	3	Ehrmann
3	3/ 10/ 2022	Calcification. Pathology of pigments.	3	Ehrmann
4	10/ 10/ 2022	Circulatory disorders. Oedema. Thrombosis, embolism.	3	Ehrmann
5	17/ 10/ 2022	Inflammation. Definition, causes, signs and course of inflammation. Nonspecific inflammation.	3	Ehrmann
6	24/ 10/ 2022	Granulomatous inflammation. Disorders of the immune system.	3	Ehrmann
7	31/ 10/ 2022	Oncology: introduction, general terms. Pseudotumours. Precanceroses.	3	Škarda
8	7/ 11/ 2022	Epithelial tumours. Mesenchymal tumours.	3	Ehrmann
9	14/ 11/ 2022	Neuroectodermal tumours, mixed tumours, teratoma.	3	Ehrmann
10	21/ 11/ 2022	Hematopathology I.	3	Ehrmann
11	28/ 11/ 2022	Hematopathology II.	3	Ehrmann
12	5/ 12/ 2022	SYSTEMIC PATHOLOGY Diseases of endocardium and myocardium.	3	Škarda
13	12/ 12/ 2022	Congenital heart diseases and pathology of pericardium.	3	Ehrmann

14	19/ 12/ 2022	Consultation:FAQ	3	Ehrmann
15	2/ 1/ 2023	Consultation:FAQ	3	Škarda

### Practical classes:

**Leading Teacher:** MUDr. Daniela Kurfürstová, Ph.D.

**Study:** Continuous

	Week from-to	Subject	No. of Less.
1	19/ 9/ - 23/ 9/ 2022	Introduction. Apoptosis, necrosis, gangrene. Atrophy.	4
2	26/ 9/ - 30/ 9/ 2022	Dystrophic changes. 28/9 - National Day.	4
3	3/ 10/ - 7/ 10/ 2022	Metabolic diseases, calcification, pigmentation. <b>MCQ test: apoptosis, atrophy, dystrophic changes, pathological pigmentation.</b> 5/10 – supplementation for state holiday, cotent of the 2th practice	4
4	10/ 10/ - 14/ 10/ 2022	Circulatory disorders.	4
5	16/ 10/ - 20/ 10/ 2022	Nonspecific inflammation.	4
6	23/ 10/ - 27/ 10/ 2022	Granulomatous inflammation. Pathology of the immune system. Repair, wound healing, adaptation.	4
7	31/ 10/ - 4/ 11/ 2022	<b>MCQ test: circulation, inflammation.</b> <b>Determination of slides.</b>	4
8	7/ 11/ - 11/ 11/ 2022	General oncology.	4
9	14/ 11/ - 18/ 11/ 2022	Mesenchymal tumours. 17/11 - National Day.	4
10	21/ 11/ - 25/ 11/ 2022	Hematopathology. 24/11– supplementation for state holiday, cotent of the 9th practice	4
11	28/ 11/ - 2/ 12/ 2022	Epithelial tumours.	4
12	5/ 12/ - 9/ 12/ 2022	Neuroectodermal tumours, mixed tumours, teratomas.	4
13	12/ 12/- 16/ 12/ 2022	<b>MCQ test: Oncological diseases. Determination of slides.</b> Practicavit.	4
14	19/ 12/- 23/ 12/ 2022	Supplementary training for absentees. Practicavit.	4
15	2/ 1/ - 6/ 1/ 2023	Practicavit. Supplementary training for absentees.	4

**Completed by:** Practicavit

**Requirements:** Attendance to practical seminars is compulsory!

The required attendance to practical seminars – a student is allowed to miss maximum one seminar. Students' preparedness for seminars will be continuously tested orally or written. Succesfull passing of the test = minimal 75% of correct answers is required. Unprepared students will be excluded from seminars. If a student fails to attend classes due to health or other serious reasons, they must attend substitute classes provided they have provided a satisfactory excuse. A maximum of two practical seminars may be made up for. Whether

the reason stated is serious enough and excusable shall be determined by the respective teacher.

**Literature:**

1. Kumar V., Abbas A. K., Aster J. C.: Basic Pathology, Elsevier Saunders Inc, 9<sup>th</sup> edition, 2015
2. Robbins & Cotran Pathologic Basis of Disease. Published: 15th June 2022 Authors: Vinay Kumar Abul Abbas Jon Aster.
3. Robbins and Cotran Pathology Flash Cards: With STUDENT CONSULT Online Access (Robbins Pathology): 9781416049296
4. Lecture materials on MOODLE