

**FACULTY OF MEDICINE, UNIVERSITY OF NIS**

**Study program: INTEGRATED ACADEMIC STUDIES OF MEDICINE**

**Course: Cell Biology**

**Semester: First**

**Study year: Second**

**CURRICULUM - THEORETICAL LECTURES – FIRST SEMESTER - 2021/22.**

Week	Date	Lecture topic	Lecturer	No of theoretical classes.
1.	6.11.	Chemical basis of life - Biomolecules	Asist. Prof. J. Lazarevic	2
2.	13.11.	Cell membranes – Plasmalemma (structural molecules and their functions)	Prof. G. Radenkovic	1
3.	20.11.	Cell membranes - Endomembranes – system of intracellular membranes – membranous organelles and nuclear envelope	Asist. Prof. A.Velickov	2
4.	27.11.	Nucleus, Cell cycle, cell replication, and types cell populations	Asist. Prof. V. Petrovic	1
5.	4.12.	Cell signalization Molecular aspects of cell death	Asist. Prof. V. Petrovic	2
6.	11.12.	Cytoskeleton – movement of cellular structures and active motility of cells	Asist. Prof. A. Petrovic	2
7.	18.12.	Molecular organization of extracellular matrix	Asist. Prof. M. Jovic	2
8.	25.12.	Adhesive molecules of cells and cellular junctions	Prof. G. Radenkovic	2
9.	15.1.21.	Neoplastic transformation of cellular phenotype	Asist. Prof. A. Petrovic	1
			Sum	15

**CURRICULUM – PRACTICAL/SEMINAR CLASSES – FIRST SEMESTER - 2021/22.**

Week	Date	Lecture topic	Lecturer	No of practical classes *
1.	6.11.	Chemical basis of life - Biomolecules	Asist. Prof. J. Lazarevic	0
2.	13.11.	Cell membranes – Plasmalemma (structural molecules and their functions)	Prof. G. Radenkovic	2
3.	20.11.	Cell membranes - Endomembranes – system of intracellular membranes – membranous organelles and nuclear envelope	Asist. Prof. A.Velickov	2
4.	27.11.	Nucleus, Cell cycle, cell replication, and types cell populations	Asist. Prof. V. Petrovic	2
5.	4.12.	Cell signalization Molecular aspects of cell death	Asist. Prof. V. Petrovic	2

6.	11.12.	Cytoskeleton – movement of cellular structures and active motility of cells	Asist. Prof. A. Petrovic	2
7.	18.12.	Molecular organization of extracellular matrix	Asist. Prof. M. Jovic	2
8.	25.12.	Adhesive molecules of cells and cellular junctions	Prof. G. Radenkovic	2
9.	15.1.21.	Neoplastic transformation of cellular phenotype	Asist. Prof. A. Petrovic	1
			Sum	15