

Course Name	Code	Term	Theory (hours/week)	Practice (hours/week)	Laboratory (hours/week)	ECTS
<b>Pathology</b>	HEM104	2. Semester/Fall	2	0	0	3
Prerequisites	None					
Language of Instruction	Turkish					
Course Type	Compulsory					
Learning and teaching techniques of the course	Lecture, Discussion, Question-Answer, Observation, Team/Group Work, Experiment, Practice-Practice, Brainstorming, Other.					
Instructor(s) of the course						
Aim of the lesson	To provide nursing students with general pathology knowledge and to have a general culture about the place of pathology in diseases.					
Learning Outcomes	<ol style="list-style-type: none"> <li>1. By making the definition of pathology, he explains the materials coming to the pathology laboratory and the functioning of the pathology laboratory (preanalytic, analytical, postanalytic)</li> <li>2. Defines the factors causing cell damage and their mechanisms of action, and the morphological features of adaptation mechanisms.</li> <li>3. Defines the mechanisms and morphological changes related to hemodynamic disorders.</li> <li>4. Explain the pathological features of acute and chronic inflammation, cell regeneration, wound healing and repair.</li> <li>5. Gains basic information about basic immunological mechanisms and hypersensitivity reactions and autoimmune diseases.</li> <li>6. Defines the general characteristics, classification, naming of tumors and the basic features of benign-malignant tumors. Defines the morphological changes of apoptosis and necrosis.</li> <li>7. Observes the pathological changes in the patient and has information about the pathology result report in order to plan and apply the nursing practices accordingly.</li> </ol>					
Lessons content	This course covers the definition of pathology, its history and cellular pathology, pathology laboratory diagnostic techniques, etiology, inflammation and healing, genetic diseases, infectious diseases, immunology, neoplasia, fluid and hemodynamic balance, hemodynamic disorders..					
References	<ol style="list-style-type: none"> <li>1. Tuzlalı S., Güllüoğlu M., Çevikbaş U. (2014) Robbins Temel Patoloji, Nobel Kitabevi, 9. Baskı, İstanbul.</li> <li>2. Berkowitz A. (2016) Çev: Nurten A. &amp; Anđ Ö. Basitleştirilmiş Klinik Patofizyoloji, Nobel Kitabevi, İstanbul. Öğretim elemanı sunumları ve kaynaklar</li> <li>3. Porth C.M. (2018) Çev: Durusu Tanrıöver M., Sarı A. Patofizyolojinin Temelleri, 4. Baskı, Palme Yayıncılık, Ankara.</li> </ol>					

#### Course Outline Weekly

WEEKS	TOPICS
1. Week	Course Description and Introduction - Definition, History and Cellular Pathology of Pathology
2. Week	Pathology Laboratory Diagnostic Techniques
3. Week	Cell Injury-1
4. Week	Cell Injury-2
5. Week	Etiology, Inflammation and Healing
6. Week	Acute and Chronic inflammation
7. Week	Genetic Diseases and Infectious Diseases
8. Week	<b>MIDTERM</b>
9. Week	Hemodynamic Disorders -1
10. Week	Hemodynamic Disorders -2
11. Week	Immunology-1
12. Week	Immunology-2
13. Week	Neoplasia-1
14. Week	Neoplasia-2
15. Week	<b>AN OVERVIEW</b>

**ECTS (Student Work-load Table)**

Activities	Number	Duration	Total Work Load
Length of course	14	2	28
Laboratory			
Practice			
Field Study			
Study time outside of classroom (Free-study/Group work/Pre-study)	14	2	28
Presentation (Video recording/Poster preparation/Focus Group Interview/Questionnaire/Observation and Writing reports)			
Seminar Preparation	1	5	5
Project			
Case Study			
Role-play			
Writing articles-Make criticals			
Time to prepare for midterm exams	1	3	3
Time to prepare for final exam	1	3	3
<b>Total Work Load (hour) / 25(h)</b>	67 / 25=2.68		
<b>Course ECTS</b>	<b>3</b>		

**Evaluation System**

Workload within semester	Number	Contribution
Midterm Exam	1	%40
Quiz		
Laboratory		
Practice		
Field Study		
Course Internship (If there is)		
Assignments		
Presentations and Seminars		
Projects		
Other		
<b>Total Semester Work Load</b>	<b>1</b>	<b>%40</b>
End-of-year Work Load		
Final Exam	1	%60
Assignments		
Practice		
Laboratory		
<b>Total End-of-year Work Load</b>	<b>1</b>	<b>%60</b>
<b>TOTAL</b>	<b>2</b>	<b>100</b>

**The relationship between learning outcomes and the program qualifications of the courses**

Programme competencies		Lesson Outcomes						
		LO1	LO2	LO3	LO4	LO5	LO6	LO7
1.	Have the knowledge and skills to fulfill their professional roles and functions.	1	1	1	1	1	1	3
2.	Performs, evaluates and records nursing practices toward professional principles and standards.							2
3.	Practice the health care needs of the individual, family and society with a holistic approach, toward the nursing process.							
4.	Communicates effectively with the individual, family, community and health team members.							
5.	Performs professional practices toward current scientific data by using information and maintenance technologies.							
6.	Have a foreign language proficiency to reach scientific information and communicate effectively.							
7.	Behaves in accordance with professional, cultural and ethical values in nursing practices.							
8.	Considers the relevant laws, regulations and legislation in nursing practices.							
9.	Uses the learning-teaching and management process in nursing practices.							
10.	Uses lifelong learning, problem solving, critical thinking and career planning skills to contribute to professional development.							
11.	With the awareness of social responsibility, takes part in research, projects and activities in cooperation with the health team and other disciplines.							
12.	Contributes to the provision and development of safe and quality health care.							
<b>Contribution to the level of proficiency: 1: Lowest, 2: Low/Medium, 3: Average, 4: High, 5: Excellent</b>								