Course Title	Code	Semester	Theoretical (hours/week)	Practice (hours/week)	Laboratory (hours/week)	ECTS
Nursıng Pathophysıology	HEM 570	2nd Semester	2	0	0	5
Prerequisites	None					
Language of the course	Turkish					
Type of Course	Forced					
Learning and teaching techniques of the course	Lecture, Discussion, Question-Answer, Role Play, Brainstorming, Case Management.					
Responsible for the course						
The aim of the course	By reviewing the basic pathophysiology of the systems, it is aimed to develop the concepts and principles that will form a basis in nursing care and practices by examining the changes that occur in the disease state, the symptoms-symptoms and causes that may arise due to these changes.					
Learning outcomes of the course	1. To be able to define the basic concepts of the physiology of systems 2.To be able to define the physiopathological changes that can be seen in system diseases 3.To be able to develop the concepts and principles that will form the basis of patient care by analyzing and synthesizing the causes and symptom findings of physiopathological changes. 4. To be able to combine physiopathology and care as a nurse					
References	1.Guyton C. Arthur, Hall EJ. Textbook of Medical Physiology, 9th. Ed, WB. Saunders Comp, Philadelphia, 1996. 2.Amerikan Kanser Birliği, çev. Ed; Platin N. (1998). Hemşireler İçin Kanser El Kitabı, T.C. Sağlık Bakanlığı Kanser Savaş Daire Bşk. 3.Black JM, Matassarin-Jacops E. (1993). Medical Surgical Nursing: Clinical Management for Positive Outcomes, Black&Hawks&Koene, Saunders. 4.Akdemir N Leman Birol L. İç Hastalıkları ve Hemşirelik Bakımı-Genişletilmiş 2. Baskı, 2005. 5.Brunner and Suddarth's Textbook of Medical Surgical Nursing, North American Edition In One Volume, Suzanne C Smeltzer, Brenda G Bare, Janice L Hinkle, Kerry H Cheever, Lippincott Williams & Wilkins, Twelfth edition. Kathryn L. McCance RN, Sue E. Huether RN. Pathophysiology: The Biologic Basis for Disease in Adults and Children (Hardcover), sixth edition, Mosby, 2010.					

Weekly Course Subjects:

WEEKS	TOPICS TO BE PROCESSED
Week 1	Introduction to physiopathology, Cell Structure, Stress Physiopathology
Week 2	Shock Physiopathology, Pain Physiopathology
Week 3	Sleep Physiopathology
Week 4	Physiopathology of Aging, Nutrition, Lipids and Arteriosclerosis Formation
Week 5	Interferon, Stokins, Interleukin, Prostoglandins
Week 6	Physiopathology of the Genitourinary System
Week 7	Endocrine System Physiopathology **I. MIDTERM EXAM**
Week 8	Digestive System Physiopathology
Week 9	Respiratory System Physiopathology / Ventilation Perfusion Dynamics
Week 10	Cardiovascular System Physiopathology
Week 11	Physiopathology of the Hematopoietic System
Week 12	Nervous System Physiopathology
Week 13	Joint and Connective Tissue Physiopathology
Week 14	Immune System Physiopathology
Week 15	**MIDTERM EXAM**

Evaluation System

Activities	Number	Time	Total Workload
Lesson	14	2	28
Laboratory			
Application			
Field Study			
Study Hours Out of Class (Free study / Group Work / Preliminary Work)	14	4	56
Presentation (Making videos / Preparing a poster / Oral presentation / Focus Group Meeting / Survey Application / Observation and Report Writing)			
Preparing a Seminar			
Project			
Case Study	3	5	15
Role Playing, Dramatizing			
Writing an article-Critical			
Mid-term exams	1	10	10
Final exams	1	16	16
Total workload (hours) / 25 (s)	125/25=5		
Course ECTS	**5**		

Student Workload Table

Semester Studies	Sayısı	Katkı Payı
Midterm	1	%50
Quiz		
Laboratory		
Application		
Field Study		
Course-Specific Internship (If any)		
Homeworks		
Presentation and Seminar		
Projects		
Other		
Total of semester studies	1	%50
End of semester studies		
Final	1	%50
Homework		
Application		
Laboratory		
Total of end of semester studies	1	%50
Contribution of Semester Studies to Success Grade		%50
Contribution of Final Exam to Success Grade		%50
Total of success grade		100

Linking Course Learning Outcomes and Program Competencies				
	Program Qualifications	**Learning outcomes**		
		L.O.1	**L.O.2**	**L.O.3**
1.	To be able to develop and deepen their knowledge at the level of expertise,	5	5	5
2.	To be able to transform theoretical and practical knowledge at the level of expertise into behavior	5	5	5
3.	To be able to create new information by integrating knowledge in the field of expertise with information from different disciplines.	5	5	5
4.	To be able to solve problems that require expertise by using scientific research methods	3	3	3
5.	To be able to develop new strategic approaches and produce solutions by taking responsibility in unforeseen complex situations encountered in applications in the field of expertise.	4	4	4
6.	To be able to transfer current developments and own studies in the field of expertise to groups in and out of the field systematically by written, oral and visual means.	2	2	2
7.	To be able to use information and communication technologies at an advanced level with computer software at the level required by the field of expertise and to be able to translate in English.	2	2	2
8.	To be able to develop application plans on the subjects related to the field of expertise and evaluate the results obtained within the framework of quality processes,	4	4	4
9.	To be able to share these values by considering the social, scientific and ethical values in the stages of collecting, interpreting and announcing the data related to the field of expertise.	2	2	2
Contribution to the level of proficiency: 1. Lowest, 2. Low / Medium, 3. Average, 4.High, 5. Excellent				