

Course Title	Code	Semester	Theoretical (hours/week)	Practice (hours/week)	Laboratory (hours/week)	ECTS
Research Methods and Biostatistics	HEM208	2.Year/4. Semester / Spring	3	0	0	4
Prerequisites	None					
Language of Instruction	Turkish					
Course Type	Compulsory					
learning and teaching techniques of the Course	Lecture, Discussion, Question & Answer, Individual Training, Team / Group Work, Brainstorming, Project Design / Management, Other.					
Instructor(s)						
Goal	This course is constituted initiative for the research and necessity of the research in nursing, research process, systematic analysis of the article and guidance to literature search .					
Learning Outcomes	<ol style="list-style-type: none"> Individuals who can carry out their duties based on the science and art of nursing Individuals who can be pioneers as scientist and educationalists in raising the level of knowledge by having researchers When they are implementing their duties, individuals who will give priority of professional ethic in practising their duties Individuals who can take their place in the national and international platforms Individuals who can carry out her/his role in the health team adequately and effectively Individuals who will be able to check and evaluate the treatment given 					
Content	The course focuses on the beginning level competencies the student needs in order to use the process of scientific inquiry as the basis for professional nursing practice.					
References	<p>1-Sümbüloğlu, K., "Sağlık Bilimlerinde Araştırma Teknikleri ve İstatistik", Mariş Yayıncıları, Ankara, 1978.</p> <p>2-Sencer, M. Ve Sencer, Y., " Toplumsal Araştırmalarda Yöntem Bilim", Türkiye ve Orta Doğu Amme İdaresi Ens. Yayınları, No:172, Ankara, 1978.</p> <p>3-Karasar, N., "Bilimsel Araştırma Yöntemi", 2. Baskı, Ankara, 1984.</p> <p>4-Özçelik, A.D., Araştırma Teknikleri", ÜSYM Eğitim Yayınevi, 1981.</p> <p>5-Seamen, H.C.C., "Research Methods Principles", Practice and Theory For Nursing, California, 1987.</p> <p>6-Catanzaro, W., "Nursing Research Theory and Practice", St. Louis, Washington, D.C. 1981.</p> <p>7-Polit, D.F., Hungler P.,B. "Fifth Edition Nursing Research Principles and Methods", J.B. Lippincott Company Philadelphia, 1995.</p> <p>8-Aksakoğlu, G., "Sağlıkta Araştırma Teknikleri ve Analiz Yöntemleri", DEÜ Rektörlük Matbaası, İzmir, 2001.</p> <p>9-Aksayan S, Bahar Z, Bayık A, Emiroğlu N.O ve ark Hemşirelikte Araştırma İlk Süreç ve Yöntemleri, Editör:İnci Erefe, Odak Ofset, İstanbul, 2002.</p> <p>10. Steinke, E.E. Research ethics, informed consent, and participant recruitment. Clinical Nurse Specialist, 2004;18, 88-97.</p>					

Course Outline Weekly:

Weeks	Topics
1. Week	Relevance of research to nursing practice
2. Week	Introduction to the research process
3. Week	Ethical issues in nursing research
4. Week	Delineating researchable questions
5. Week	Theoretical frameworks of research
6. Week	Define of research concepts
7. Week	MIDTERM EXAM
8. Week	Hypothesis generation and testing, Dependent and independent variable
9. Week	Population and samples
10. Week	Literature search
11. Week	Research designs
12. Week	Approach to data collection
13. Week	Asking questions through interview and questionnaire,
14. Week	Scientific observation
15. Week	GENERAL AGAIN

Evaluation System

Mid-Term Studies	Number	Contribution
Midterm exams	1	%40
Quiz		
Laboratory		
Practice		
Field Study		
Course Internship (If There Is)		
Homework's		
Presentation and Seminar		
Project		
Other evaluation methods		
Final	1	%60
TOTAL	2	%100
Contribution Of Midterm Studies On Grades	1	%40
Contribution Of Final Exam On Grades	1	%60
Total		100

ECTS (Student WorkLoad Table)

Activities	Number	Duration	Total Work Load
Course Duration (X14)	14	3	42
Laboratory			
Practice			
Field Study			
Study Time Of Outside Of Class (Pre-Study, Practice, Etc.)	14	2	28
Presentations (Video shoot/Poster preparation/Oral presentation, Etc.)	2	4	8
Seminars			
Project			
Case study			
Role playing, Dramatization			
Writing articles, Critique			
Time To Prepare For Midterm Exam	2	7	14
Final Exam Preparation Time	1	8	8
Total Work Load (hour) / 25(s)		100/25=4	
ECTS			4

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

Program Qualifications	Learning outcomes			
	L.O1	L.O2	L.O3	L.O.4
1. Fulfils the professional roles and responsibilities of nursing.	5			
2. Carries out nursing practices in line with professional ethical principles and standards.				
3. Uses holistic approach in nursing care, communicates effectively with individuals, families and society.				
4. Bases nursing practices on scientific basis.				
5. In nursing practices, it considers the relevant laws, regulations and legislation.				
6. Uses the teaching-learning process in nursing practices.				
7. Uses problem solving, critical thinking and lifelong learning skills.	4	4	5	5
8. Takes part in social events.				
9. Takes part in activities that will contribute to professional development.				
10. Acts respectfully and be tolerant of human rights in nursing practices.				
11. Considers cultural differences in nursing practices.				

Contribution to the level of proficiency: 1. Lowest, 2. Low / Medium, 3. Average, 4. High, 5. Excellent