

School of Health Sciences / Nursing
2023 - 2024 Academic Year
INFORMATICS in NURSING and INNOVATION
Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
INFORMATICS in NURSING and INNOVATION	HEM4113425	Fall Semester	2+0	2	2
Prerequisites Courses					
Recommended Elective Courses	Nursing Process, Care Technologies				
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Assist.Prof. Merve TARHAN				
Name of Lecturer(s)	Assist.Prof. Merve TARHAN, Assist.Prof. Pinar DOĞAN				
Assistant(s)					
Aim	It is to gain the knowledge, skills and awareness about nursing informatics and innovation.				
Course Content	This course contains; The Reflections of Technological Developments on The Nursing Profession.,Basic Concepts in Informatics and The Importance of Nursing Informatics,Competencies, Roles, and Education in Nursing Informatics,Health and Nursing Informatics Practices,Electronic Health Records and Clinical Decision Support Systems,Digital Hospital Transformation Example,E-Health, Tele Health, Tele Medicine, Tele Nursing,Ethical and Legal Aspects of Nursing Informatics,The Importance of Innovation in Nursing,Examples of Innovation in World and Turkey,Creating Innovative Ideas and Transforming into Innovation,Patent and Utility Model Certification Process and Its Importance,Putting the Innovative Product into Life,Innovative Product or Informatics Application Development Process.				
Course Learning Outcomes				Teaching Methods	Assessment Methods
1. Explaining the basic concepts and approaches related to innovation in nursing.				10, 16, 19, 9	A
2. Explaining the examples of informatics applications and innovative products in nursing in the world and in Türkiye.				10, 16, 9	A
3. Designing an innovative product or an informatics technology.				16, 19, 2, 5	F
4. Believing the importance of informatics and innovation in nursing.				16, 19, 2, 5	F
Teaching Methods	10: Discussion Method, 16: Question - Answer Technique, 19: Brainstorming Technique, 2: Project Based Learning Model, 5: Cooperative Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, F: Project Task				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	The Reflections of Technological Developments on The Nursing Profession.	Examination of the first source			
2	Basic Concepts in Informatics and The Importance of Nursing Informatics	Examination of the second source			
3	Competencies, Roles, and Education in Nursing Informatics	Examination of the third source			
4	Health and Nursing Informatics Practices	Examination of the fourth source			
5	Electronic Health Records and Clinical Decision Support Systems	Examination of the fifth source			
6	Digital Hospital Transformation Example	Examination of the sixth source			
7	E-Health, Tele Health, Tele Medicine, Tele Nursing	Examination of the seventh source			
8	Ethical and Legal Aspects of Nursing Informatics	Examination of the eighth source			
9	The Importance of Innovation in Nursing	Examination of the ninth source			
10	Examples of Innovation in World and Turkey	Examination of the tenth source			
11	Creating Innovative Ideas and Transforming into Innovation	Examination of the eleventh source			
12	Patent and Utility Model Certification Process and Its Importance	Examination of the twelfth source			
13	Putting the Innovative Product into Life	Examination of the twelfth source			
14	Innovative Product or Informatics Application Development Process	Examining the relevant lecture notes			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources	
1. Konukbay, D., Efe, M., & Yıldız, D. (2020). Teknolojinin hemşirelik mesleğine yansması: sistematik derleme. Sağlık Bilimleri Üniversitesi Hemşirelik Dergisi, 2(3), 175-182.	
2. Graves, J. R., & Corcoran, S. (1989). The Study of Nursing Informatics. Journal of Nursing Scholarship, 27, 227-231.	
3. Seçginli S. Hemşirelik Bilişimi. http://auzefkitap.istanbul.edu.tr/kitap/hemşirelik_ao/hemşirelikbilisimi.pdf	
4. Sağlık Bilişim Sistemleri, Hasan Kürşat GÜLEÇ, Musa ÖZATA, Nobel yayınları	
5. Klinik Karar Destek Sistemleri, Nuran AYDIN, SANERC dergisi, 2010	
6. The informatics nurse Specialist role in Electronic health Record usability evaluation, Crystal L. Rojas, Computers, Informatics, Nursing & Vol. 32, No. 5, 214-220	
7. Nursing informatics.. Current and future trends Annals. Computer Science Series. 10th Tome 2nd Fasc. – 2012	
8. Bilişim ve Sağlık, Ayşe Demirkan, Bilişim Teknolojileri Dergisi, Cilt: 4, Sayı: 3, Eylül 2011	
9. Özbey, H., Başdaş, Ö. (2018). Hemşirelikte İnovasyon. Erciyes Üniversitesi Sağlık Bilimleri Fakültesi Dergisi, 5(1), 1-7.	
10. Kartal, H., & Kantek, F. (2018). Hemşirelikte inovasyon örnekleri. Sağlık ve Hemşirelik Yönetimi Dergisi, 1(5), 57-63	
11. Doğan Merih, Y., Alioğulları, A., Yaşar Kocabay, M., Gülşen, Ç., & Sezer, A. (2019). Hemşirelikte inovasyon kültürü oluşturma: bir başarı öyküsü. Zeynep Kamil Tıp Bülteni, 50(3), 175-181.	
12. Doğan Merih, Y. (2018). İnovatif hemşirenin yol haritası. İstanbul: Nobel Tıp Kitabevi Lecture notes, websites, and other scientific resources on nursing informatics and innovation	