

## Personalized Care-Precision Nursing

Personalized Care-Precision Nursing			
<b>SCHOOL</b>	<b>SCHOOL OF HEALTH SCIENCES</b>		
<b>DEPARTMENT</b>	<b>NURSING DEPARTMENT</b>		
<b>LEVEL OF EDUCATION</b>	<b>UNDERGRADUATE – (bachelor’s degree)</b>		
<b>LESSON CODE</b>	<b>0805.3.012.0</b>	<b>SEMESTER</b>	<b>3rd</b>
<b>LESSON TITLE</b>	<b>PERSONALIZED CARE-PRECISION NURSING</b>		
Personalized Care-Precision Nursing			
<b>SELF-ENDED TEACHING ACTIVITIES</b>	<b>TEACHING HOURS / WEEK</b>	<b>CREDITS</b>	
<b>Theory</b>	<b>1</b>		
<b>Tutoring</b>			
<b>Practical Workshop</b>	<b>1</b>		
<b>Clinical placement</b>			
<b>Total</b>	<b>2</b>	<b>3</b>	
<b>COURSE TYPE:</b>	<b>COMPULSORY</b>		
<b>PREREQUISITE COURSES:</b>	<b>NO</b>		
<b>LANGUAGE (S) OF INSTRUCTION/EXAMINATION:</b>	<b>GREEK</b>		
<b>THE COURSE IS OFFERED TO ERASMUS STUDENTS:</b>	<b>NO</b>		
<b>ELECTRONIC COURSE PAGE:</b>	<a href="https://eclass.hmu.gr/courses/NURS211/">https://eclass.hmu.gr/courses/NURS211/</a>		
Personalized Care-Precision Nursing			
Learning Results			
<p>The purpose of the course is to familiarize the students with the concept of Personalized Care and to inform them about the importance and applications of Precision Nursing in health sector.</p> <p>After successful completion of the course students will be able to:</p> <ul style="list-style-type: none"> <li>• know the definition and related concepts of Personalized care and Precision Nursing</li> <li>• recognize the importance of personalized care and its applications in the health sector.</li> <li>• recognize the role of biomarkers in personalized care</li> <li>• know and have the necessary skills to implement personalized care</li> <li>• apply history taking and pedigree planning to implement personalized care</li> <li>• use the available digital tools for their training in the field of personalized care</li> </ul>			
General Skills			

Searching, analyzing and synthesizing data and information. Working in an interdisciplinary environment, Generating new research ideas, Making decisions, Exercising criticism and self-criticism, Promoting free, creative and inductive thinking

**Course content - Theory outline**

1 <sup>st</sup> week	Introduction to the concept of Personalized Care - Definitions and historical overview
2 <sup>nd</sup> week	Importance of implementing personalized care -Correlation of Precision Nursing with Evidence-Based Nursing Practice.
3 <sup>rd</sup> week	Fields of application of Precision Nursing
4 <sup>th</sup> week	Ethical issues in the implementation of Personalized Care
5 <sup>th</sup> week	Genomic Applications and Personalized Care
6 <sup>th</sup> week	The role of biomarkers in personalized care
7 <sup>th</sup> week	Risk determination- Genetic diagnosis- Genetic Counseling
8 <sup>th</sup> week	Knowledge and skills as prerequisites on the part of nurses for the implementation of Personalized Care
9 <sup>th</sup> week	Nursing Education – Lifelong education in Precision Nursing
10 <sup>th</sup> week	Multidisciplinary approach to the implementation of personalized care - Genetic Counselors - Genetic Nursing
11 <sup>th</sup> week	Family history taking – Clinical tools – Their importance in implementing personalized care
12 <sup>th</sup> week	The role of artificial intelligence in precision health
13 <sup>th</sup> week	Research data from international and national programs aimed at implementing personalized care

**TEACHING and LEARNING METHODS - EVALUATION**

<b>DELIVERY METHOD</b>	Traditional lectures using power point software– Application of the teaching technique of brainstorming – Presentation of case studies – Use of techniques such as role play to understand concepts and practical application of personalized care tools (e.g. history). Interactive communication with students aimed at solving questions related to the field of personalized care and Precision Nursing.
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES</b>	Use power point slides. View video in digital format. Use of the e-class electronic platform to store presentations in digital format for easy access by students. Communication with students on issues related to the educational process through the same platform.
<b>TEACHING ORGANIZATION</b>	<b>Activity Semester Workload</b> Lectures (total 13X1) 90 Practical Workshop (total 13X1) Total Course: 26 hours
<b>STUDENT EVALUATION</b>	100% from written final exam (Multiple Choice Test/Short Answer Questions/Questions)

**RECOMMENDED BIBLIOGRAPHY**

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- Trein, P., & Wagner, J. (2021). Governing Personalized Health: A Scoping Review. *Frontiers in genetics*, 12, 650504.
- Spanakis, M., Patelarou, A. E., & Patelarou, E. (2020). Nursing Personnel in the Era of Personalized Healthcare in Clinical Practice. *Journal of Personalized Medicine*, 10(3), 56.
- Johnson, K. B., Wei, W. Q., Weeraratne, D., Frisse, M. E., Misulis, K., Rhee, K., Zhao, J., & Snowdon, J. L. (2021). Precision Medicine, AI, and the Future of Personalized Health Care. *Clinical and translational science*, 14(1), 86–93. <https://doi.org/10.1111/cts.12884>
- Hays, P. (2017). *Advancing healthcare through personalized medicine*. CrcPress.