

## COURSE DESCRIPTION

### (1) GENERAL

<b>SCHOOL</b>	Health Sciences		
<b>DEPARTMENT</b>	Nursing		
<b>LEVEL OF STUDIES</b>	Undergraduate		
<b>COURSE CODE</b>	0805.3.004.0	<b>SEMESTER</b>	3 <sup>rd</sup>
<b>COURSE TITLE</b>	Fundamental Principles of Pharmacology in Nursing		
<b>SELF-ENDED TEACHING ACTIVITIES</b>		<b>TEACHING HOURS/ WEEK</b>	<b>CREDIT UNIS (ECTS)</b>
Theory		3	
Coaching School			
<b>Total</b>		3	4
<b>COURSE TYPE</b>	Compulsory		
<b>PREREQUISITE COURSES</b>	No		
<b>LANGUAGE OF TEACHING and EXAMINATION</b>	Greek		
<b>THE COURSE IS OFFERED TO ERASMUS STUDENTS</b>	No		
<b>Website</b>	<a href="https://eclass.hmu.gr/courses/NURS275/">https://eclass.hmu.gr/courses/NURS275/</a>		

### (2) LEARNING OUTCOMES

<b>Learning outcomes</b>
<p>The aim of the course is to introduce students to knowledge of the basic principles of pharmacodynamics and pharmacokinetics as well as clinical pharmacology with the most specific pharmaceutical substances by human body system and disease.</p> <p>After completing the course the students will be able to:</p> <ul style="list-style-type: none"> <li>● know the basic principles of pharmacodynamics and pharmacokinetics as well as clinical pharmacology</li> <li>● know the different routes of administration with the most special properties of pharmacodynamics and pharmacokinetics per case</li> <li>● understand the indications for the use of drugs and manage in practice the administration and co-administration of drugs and know their main interactions</li> <li>● know and apply the appropriate medicinal substances according to the system of the human body and its pathology</li> <li>● understand and safely administer medications by all routes of administration, knowing the expected effects and any side effects.</li> </ul>
<b>General Skills</b>
<p>The course aims to acquisition of the following general skills:</p> <ul style="list-style-type: none"> <li>● autonomous working skills</li> <li>● provision of independent and critical thinking</li> <li>● assessment and decision making</li> </ul>

### (3) COURSE CONTENT

1st week	Introductory concepts and definitions in pharmacology Mechanisms of action of drugs in the human body
2nd week	Pharmacokinetics- Pharmacodynamics, Drug administration routes Drug interactions
3rd week	Analgesic drugs. Non-steroidal anti-inflammatory drugs
4th week	Central Nervous System Drugs
5 th week	Psychotropic drugs and drugs for neurological diseases
6 th week	Cardiovascular System Drugs I
7th week	Cardiovascular System Drugs II
8 th week	Respiratory System Medicines
9th week	Endocrine Gland Drugs - Diabetes Mellitus - Anemias
10th week	Antimicrobial drugs
11th week	Digestive System Medicines
12th week	Antiretroviral drugs
13th week	Antifungals and skin diseases

### (4) TEACHING and LEARNING METHODS - EVALUATION

<b>TEACHING METHOD</b>	<ul style="list-style-type: none"><li>• Traditional lectures using PowerPoint software.</li><li>• Questions and answers for students.</li></ul>										
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES</b>	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. View video in digital format. Using powerpoint slides. Often communication with students for educational issues										
<b>TEACHING ORGANIZATION</b>	<table border="1"><thead><tr><th>Activity</th><th>Workload of semester</th></tr></thead><tbody><tr><td>Lectures</td><td>39</td></tr><tr><td>Self ended study</td><td>40</td></tr><tr><td>Preparation, examination</td><td>41</td></tr><tr><td>Total</td><td><b>120</b></td></tr></tbody></table>	Activity	Workload of semester	Lectures	39	Self ended study	40	Preparation, examination	41	Total	<b>120</b>
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Self ended study	40										
Preparation, examination	41										
Total	<b>120</b>										
<b>STUDENT EVALUATION</b>	Language of assessment: Greek Method of assessment: 100% from a written final exam										

### (5) RECOMMENDED BIBLIOGRAPHY (into Greek language)

<ul style="list-style-type: none"><li>• Φαρμακολογία. W. Acosta R., 2<sup>η</sup> Έκδοση/2016, ISBN: 978-960-7875-95-2 Εκδότης: ΛΑΓΟΣ ΔΗΜΗΤΡΙΟΣ</li><li>• Νοσηλευτική φαρμακολογία, Simonsen T., Kay I., Aarbakke J. 1<sup>η</sup> Έκδοση/2009, ISBN: 978-9603-997-80-1, Εκδότης: BROKEN HILL PUBLISHERS LTD</li></ul>
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