Course unit title:	Information Systems in Health
Course unit code:	NUR102
Type of course unit:	Compulsory
Level of course unit:	Bachelor (1st Cycle)
Year of study:	1
Semester when the unit is delivered:	1 (Fall)
Number of ECTS credits allocated :	5
Name of lecturer(s):	Mr. Skoullos Michalis
Learning outcomes of the course unit:	1. Define and relate concepts of information technology in the health sector. 2. Apply knowledge of computer / information systems in practice associated with the proper functioning of the health sector. 3. Apply knowledge of technology and health informatics in practice. 4. Retrieve, analyze and manage information using IT systems. 5. Record and report using the health care information systems. 6. Explain how to communicate effectively with patients, families and social groups, by using technology.
Mode of delivery:	Face-to-face
Prerequisites:	None	Co-requisites:	None
Recommended optional program components:	None
Course contents:	**Introduction:** Introduction to Computers. Hardware. Software. Digital Representation of Data. Multimedia Data **Introduction to Information Systems:** Information Management. Database Files - Database Management Systems. **Information Systems in Health:** Patient Electronic Medical Records System. - Laboratory System. Management System. Examinations System. Clinical Care System. Human Resources Management System. Accountant System. Reception System. On-line Support System. Expert Medical Systems. Communications and Security Issues. Tele-Medicine **Evaluation of Information Systems in Health** **Laboratory:** Windows Operating System, the computer environment, and desktop issues, computer files management. Internet (Information)/E-mail (Communication) browsing (assessing, using favorites, and organizing web pages), and navigation (search engine). Electronic mail, main steps to Messaging (read, reply, and send a message; duplicate, move, and delete email text), as well as mail management (using address book, organizing messages, and printing).Word Processor - Microsoft Word main operations of the application such as insert, select, and edit data, as well as duplicate, move, delete, search and replace text. Formatting issues and specifically text, paragraph and document formatting, tables, pictures, images, and charts management. Presentation - Microsoft PowerPoint, main operations of the application such as insert new slide, slide design, layout and background, slide transition, Master slide, action buttons and settings, custom animation, slide show, insert picture and chart. Application software of Patient Electronic Medical Record. Evaluation of software samples available on-line (demo).
Recommended and/or required reading:	
Textbooks:	J. Mantas, A. Hasman, *Textbook in Health Informatics: A Nursing Perspective* (Greek translation) Paschalidis Medical Publication, 2013
References:	T. Μπότσης, Σ. Χαλκιώτης, *Πληροφορική υγείας – Η εφαρμογή της πληροφορικής στο χώρο της υγείας*, Δίαυλος, 2005

	L. Burke, B. Weill, *Information Technology for the Health Professions*, Prentice Hall, 2008
Planned learning activities and teaching methods:	The course is delivered to the students by means of lectures, conducted with the help of computer-based presentations. Lecture notes and presentations are available through the web for students to use in combination with the textbooks. In Laboratories lectures and demonstrations are implemented by laboratory instructors and exercises are performed by the students under the guidance and supervision of laboratory instructors.
Assessment methods and criteria:	• Test 40% • Assignments 10% • Final Exam 50%
Language of instruction:	Greek
Work placement(s):	No