Syllabus for IT in Health module

The purpose of the IT in Health module is to inform and educate candidates and health professionals in Health Information and Technology issues, in their working procedures. Specifically, the program aims to inform and educate health professionals such as medical, operational and administrative staff in issues concerning the new Health Technology era, like: internet health information, health information systems, electronic health records, (electronic) health cards, telematic applications, social policy issues, confidentiality and security issues and general usage of Health Technology, including some health economics. The expected outcome of this program is for the candidate to gain important computer skills and knowledge around IT in Health, which will be crucial to their jobs in the health sector, since this knowledge can help in: personal education, improved working procedure, better healthcare service quality and patient satisfaction.

EDUCATIONAL PLAN

BASIC CHAPTER	SUBCATEGORY	No	EDUCATIONAL OBJECT DESCRIPTION
1. IT in Health Introduction	**1.1 Initial process of IT in Health**	1.1.1	Begin with the necessity of IT applications in most everyday activities including health issues.
		1.1.2	Continue with the passage to Information Society, (a Society for All), a democratic and developed society with improved quality of life.
		1.1.3	Point out the necessity of equal access and availability of data in the Information Society to all people and by all people.
	1.2 Determining issues of IT in Health	1.2.1	Describe the meaning and content of IT in Health: introducing Electronic Health.
		1.2.2	Describe the purpose and necessity of Electronic Health for both health professionals

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			and consumers.
		1.2.3	The consistency of Electronic Health: several applications such as health information and the Internet, health information systems, electronic health records, health cards, telematic applications.
2. Electronic Health Categories	**2.1 Health information and the Internet**	2.1.1	Describe the ways to find reliable web sources about health and retrieve reliable health information.
		2.1.2	Describe the kind of health information someone can retrieve from the Internet.
		2.1.3	Introduce the factors and components that the researcher could apply in estimating the reliability of health information in the Internet.
	2.3 Electronic Health Records	2.3.1	Describe an Electronic Health Record and the necessity of it's usage by health professionals in the healthcare service.
		2.3.2	Describe the types and categories of Electronic Health Records and locate the information which is common to all records.
		2.3.3	Describe the benefits and risks of an Electronic Health Record.
	2.4 (Electronic) Health Cards	2.4.1	Describe a (Electronic) Health Card and the necessity of it's usage by health professionals in the healthcare service.
		2.4.2	Introduce the types and categories of (Electronic) Health Cards and locate the information which is common to all cards.
		2.4.3	Describe the benefits and risks of a (Electronic) Health Card.
	2.5 Telematic applications	2.5.1	Describe telematic applications such as teleconsulting and teleconference and the ways these applications can help in healthcare service delivery.
		2.5.2	Understand the benefits and advantages of Electronic

			Learning.
3. Social Policy issues in Health IT	**3.1 eInclusion**	3.1.1	Describe eInclusion and the necessity for all people to be technologically educated and be able to participate in the Information Technology era.
	3.2 eAccessibility	3.2.1	Describe eAccessibility and the necessity for people with kinetic or mental disabilities to be able to participate in the Information Technology era.
	3.3 Quality assurance	3.3.1	Describe the ways to achieve quality of healthcare services through testing models.
4. Confidentiality and Security	**4.1 Confidentiality**	4.1.1	Understand and learn about the importance of personal medical data secureness and law protection.
		4.1.2	Understand the necessity of respecting and preserving patient rights, as health professionals.
		4.1.3	Understand the importance of avoiding discrimination and exclusion of patients, especially through the exploitation of specific job positions.
	4.2 Security	4.2.1	Understand all possible dangers, personal and technical, in health technology usage, through Electronic Health applications.
		4.2.2	Learn the ways to preserve maximum security like the necessity of having personal user names and passwords, as well as restrained access according to job activities.
		4.2.3	Understand the necessity and comply with all security standards.
		4.2.4	Understand and use when is necessary, the available technical support.
5. IT in Health and general user guidance	**5.1 IT in Health general issues**	5.1.1	Understand the different types of Electronic Health applications and the way they connect or not to each other: the issue of interoperability and

			standardization.
		5.1.2	Understand the basic common principles that apply to all Electronic Health categories like usage, education, security, quality assurance. The important issue of Standardization in healthcare.
		5.1.3	Understand the advantages and disadvantages as well as the benefits and problems that derive from IT in Health usage.
		5.1.4	Understand the necessity of proper health education and learning, to avoid mistakes and increase efficiency.
	5.2 IT in Health and financial issues	5.2.1	Understand that Electronic Health costs and needs adequate financial planning in order to raise the benefits for proper healthcare delivery.
		5.2.2	Learn some basic Health Economics in order to understand better the process of estimating, investing and funding IT in Health applications.