

Course Title	Managing Health Information Systems				
Course Code	HSA-523				
Course Type	Required				
Level	2 <sup>nd</sup> Cycle				
Year / Semester	1 / 2				
Teacher's Name	Professor Niki Panteli				
ECTS	10	Lectures	14	Interactive learning activities	14
Course Purpose and Objectives	<p>This course discusses the role of information systems in the delivery of modern health services. It presents methodologies and frameworks used to identify, evaluate and implement health services information systems. Emphasis is placed on how information systems can enhance the functioning of hospitals and physician practices including the accuracy of diagnoses and improved decision-making at all levels. The representation and organization of biomedical information and knowledge is also addressed.</p> <p>The main objectives of the module are to:</p> <ul style="list-style-type: none"> <li>• Discuss in detail modern health information systems and the effective use of these systems and technologies in health organizations.</li> <li>• Formulate best practices in selecting and implementing health information systems.</li> <li>• Enable critical thinking and the development of relevant insight through the discussion of real life applications of health information systems (both successes and failures).</li> </ul>				
Learning Outcomes	<p>After completion of the course students are expected to be able to:</p> <ol style="list-style-type: none"> <li>1. Critique the design and implementation of Health information Systems.</li> <li>2. Defend that health information systems do not determine success.</li> <li>3. Use concrete insights and lessons on how to manage health Information systems in a variety of health care organizations.</li> <li>4. Critically assess the role of HIS within health care organizations and their value in achieving organizational strategies.</li> <li>5. Apply and analyse techniques for the monitoring and control of projects.</li> <li>6. Analyse the role of the online space in transforming health care.</li> </ol>				
Prerequisites	None	Required	None		
Course Content	<ul style="list-style-type: none"> <li>• Introduction to the Course &amp; Trends, Role and Significance of Health Information Systems</li> <li>• Health Data and information</li> <li>• Innovating with Information Technologies</li> <li>• Information Systems across the Health Care Organization</li> <li>• IT Alignment and Business Strategy</li> </ul>				

	<ul style="list-style-type: none"> <li>• Transforming Business Processes with Information Systems</li> <li>• Implementing Health Information systems</li> <li>• Evaluation of Health Information Systems</li> <li>• Dispersed Collaboration and Virtual Medical Teams</li> <li>• Digitalised Health Care</li> <li>• Value Creation with Digital Health Initiatives</li> <li>• Online Communities for Health Care Support</li> <li>• Data Privacy and Security</li> <li>• Revision</li> </ul>																				
Teaching Methodology	<p>This programme is delivered via distance learning (online).</p> <p>Participants on the course will engage with a variety of learning activities that range from online quizzes, online videos, literature review of relevant academic articles, interviews with practitioners and online discussions. These methods aim to support both individual as well as collaborative learning among the participants involved.</p> <p>Teaching methods will include PowerPoint presentations, facilitation of online activities and tutorials (Webinars) and formative assessment.</p>																				
Bibliography	<p><b>Required Textbooks / Reading:</b></p> <table border="1"> <thead> <tr> <th>Title</th> <th>Author(s)</th> <th>Publisher</th> <th>Year</th> <th>ISBN</th> </tr> </thead> <tbody> <tr> <td>Health Care Information Systems: A Practical Approach for Health Care Executives.</td> <td>Wager, K. A., Lee, F. W., &amp; Glaser, J. P</td> <td>John Wiley &amp; Sons</td> <td>2017</td> <td></td> </tr> <tr> <td>Health information management: Integrating information and communication technology in health care work.</td> <td>Berg, Marc</td> <td>Routledge</td> <td>2004</td> <td></td> </tr> </tbody> </table> <p><b>Recommended Textbooks / Reading:</b></p> <table border="1"> <thead> <tr> <th>Title</th> <th>Author(s)</th> <th>Publisher</th> <th>Year</th> <th>ISBN</th> </tr> </thead> <tbody> </tbody> </table>	Title	Author(s)	Publisher	Year	ISBN	Health Care Information Systems: A Practical Approach for Health Care Executives.	Wager, K. A., Lee, F. W., & Glaser, J. P	John Wiley & Sons	2017		Health information management: Integrating information and communication technology in health care work.	Berg, Marc	Routledge	2004		Title	Author(s)	Publisher	Year	ISBN
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	Digital Health	Lupton, Deborah	Routledge	2018	978-1-138-12345-8 (pbk)
	Information Systems in Organizations: People, Technology and Processes	Wallace, P	Pearson	2013	
Assessment	<p>Participants are expected to undertake and take part in the learning activities that follow each section. They will be receiving feedback throughout the duration of the course (formative).</p> <ul style="list-style-type: none"> <li>• Assessed educational activities x1 (10%)</li> <li>• Participation Grade (10%)</li> <li>• Oral Group presentation x 1 (20%)</li> <li>• Exam (60%)</li> </ul>				
Language	English				