

Course Title	Information Systems in Health Care			
Course Code	MBAH 200			
Course Type	COMPULSORY FOR THE CONCENTRATION (ELECTIVE)			
Level	MASTER			
Year / Semester	YEAR 2 / SEMESTER 5 or 6			
Teacher's Name	Romana Novakovic/Christakis Charalambous (team taught course)			
ECTS	6	Lectures / week	3	Laboratories / week
Course Purpose and Objectives	MBAH 200 introduces the fundamentals of information systems used for managerial and support in healthcare, including electronic health records. It delivers the knowledge and critical skills important for helping organizations develop and implement effective health information management strategies, advance the quality of patient care and safeguard the integrity of electronic health records. Considers also the business, legal, ethical and social context of data gathering and utilization. Finally, it gives skilled instruction in the management and use of information and information systems for healthcare planning and provision, resource allocation and executive decision making.			
Learning Outcomes	<p>On completion of this course, students will be able to:</p> <ol style="list-style-type: none"> 1. Understand and appreciate the role and value of information technologies in healthcare delivery, administration, and research; 2. Distinguish the various types of healthcare information systems, including knowledge, data, sources, processes and standards; 3. Understand the business, legal, ethical and social context of data gathering and utilization; 4. Analyse obstacles and success factors for implementation and integration of information, communication and decision technologies in healthcare; 5. Discuss the technical, and policy implications of introducing informatics applications into healthcare for process efficiency and quality of care; 6. Acquire experience in analysing problems from practice reported in case studies, and propose a solution using evidence-based approach. 			
Prerequisites	ALL COMPULSORY COURSES	Required		
Course Content	<ul style="list-style-type: none"> — Health Care Data — Health Care Information Systems — Understanding Population Health Management 			

	<ul style="list-style-type: none"> — System Acquisition — System Implementation and Support — Assessing and Achieving Value in Health Care Information Systems — Organizing Information Technology Services — Privacy and Security — Performance Standards and Measures — IT Alignment and Strategic Planning — IT Governance and Management — Health IT Leadership Case Studies 								
Teaching Methodology	<ul style="list-style-type: none"> • Knowledge acquisition from lectures and course slides • Problem-based-learning and case studies for group discussions and/or for written formative assignment • PPT Presentation(s) for group discussions 								
Bibliography	<p>Essential Reading:</p> <ol style="list-style-type: none"> 1. Wager, K.A., Lee, F.W., & Glaser, J.P. (2017). Health Care Information Systems: A Practical Approach for Health Care Management. John Wiley & Sons, Inc. New Jersey, United States. 2. Jean A Balgrosky, (2015). Essentials of Health Information Systems and Technology. Edition: 1st. Jones and Bartlett Learning. Burlington, Massachusetts, United States. <p>Recommended Reading:</p> <ol style="list-style-type: none"> 1. World Health Organization. (2020). Health statistics and information systems. Geneva: World Health Organization. Viewed 04 December 2020. Available from: https://www.who.int/healthinfo/topics_standards_tools/en/ 2. World Health Organization. (n.d.). Global strategy on digital health 2020–2025. Geneva: World Health Organization. Viewed 05 December 2020. Available from: https://www.who.int/docs/default-source/documents/gd4dhdaa2a9f352b0445bafbc79ca799dce4d.pdf?sfvrsn=f112ede5_42 								
Assessment	<table> <tr> <td>Participation</td> <td>10%</td> </tr> <tr> <td>Midterm Exam</td> <td>30%</td> </tr> <tr> <td>Workshops</td> <td>20%</td> </tr> <tr> <td>Final Exam</td> <td>40%</td> </tr> </table>	Participation	10%	Midterm Exam	30%	Workshops	20%	Final Exam	40%
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Language	English								