The University of Toledo

New Graduate Course Proposal

Contact Person **Dr. David Dobrzykowski** Phone (XXX-XXXX) **419-530-2342**

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College **Business & Innovation** If Other

Dept/Academic Unit **Information Operations and Technology Management**

Alpha/Numeric Code (Subject area - number) **SHBE** **5003**

Proposed title **Healthcare Information Systems** Proposed Effective Term **2012** **40 (Fall)**

Is the course cross-listed with another academic unit? **No**

Approval of other Academic unit (Signature and title) **N.A.** **N.A.**

Is the course offered at more than one level? **No**

If yes, an undergraduate course proposal form must also be submitted. If the undergraduate course is new, complete the New Undergraduate Course Proposal; if the undergraduate course is existing, submit an Undergraduate Course Modification Proposal.

Credit hours: Fixed: **2.0** or Variable: to

Delivery mode:	Primary	Secondary	Tertiary
Activity Type	Online	Lecture	Seminar
Minimum Credit Hours	1.5	.25	.25
Maximum Credit Hours	1.5	.25	.25
Weekly Contact Hours	1.5	.25	.25

Terms Offered ☒ Fall ☐ Spring ☐ Summer Years offered **Every Year**

May the courses be repeated for credit? **No** Maximum hours: **2.0**

Are students permitted to register for more than one section during a term? **No** Grading system: **Normal Grading (A-F, PS/NC, PR, I)**

Prerequisites (must be taken **before**): e.g., C or higher in BIOE 4500 or BIOE 5500 and C or higher in MATH 4200, etc.

None

Permission [   ]

Co-requisites (must be taken **together**):

None

Catalog Description (75 Words Maximum)

The course examines, from a healthcare perspective, critical issues in planning for and implementing process workflow software such as electronic health record (EHR) applications. It examines salient issues such as benefits from, software selection of, and user support of, EHR. It examines the emerging concepts of Regional Health Information Exchanges. It also provides an overview of Practice Management Systems.

Attach a syllabus and an electronic copy of a complete outline of the major topics covered. Click here for the template.

Course Approval

Department Curriculum Authority	N/A	Date
Director School ~~Department Chairperson~~	Dan D~~~~	Date 6/13/2012
College Curriculum Authority or Chair	Thuongle	Date 6/13/2012
College Dean	And 5 Lun	Date 6/13/2012
Graduate Council	Nick Piazza	Date 7·16·12
Dean of Graduate Studies	/al C Km	Date 07/16/12
Office of the Provost		Date

For Administrative Use Only

Effective Date	
CIP Code	
Subsidy Taxonomy	
Program Code	
Instruction Level	

University of Toledo
SHBE 5003: Healthcare Information Systems
Fall 2012

Instructor: Dr. Monideepa Tarafdar
Faculty Office: ST 4036
Phone: 419-530-2442
E-Mail: Monideepa.Tarafdar@utoledo.edu
Class Meetings Location: Stranahan Hall

Course Description: The course examines, from a healthcare perspective, critical issues in planning for and implementing process workflow software such as electronic health record (EHR) applications. It examines salient issues such as benefits from, software selection of, and user support of, EHR. It examines the emerging concepts of Regional Health Information Exchanges. It also provides an overview of Practice Management Systems.

Reading Material: No Textbook are suitable -- Reading List to be determined

Grading Criteria: Standard grading scale to apply with 93% of total points and higher is an A, 90 up to 93% is and A-, 87 up to 90 is a B+, 83 up to 87 is a B, 80 up to 83 is a B- and so on. \

Assessment of Learning: Students will be evaluated based on written examinations and quizzes, projects, and analytical papers.

Learning Objectives:
Able to do the following:
1. Explain the benefits and business value from EHR applications
2. Understand the functionalities and workflows of EHR applications
3. Identify steps needed for implementation of EHR applications
4. Identify and address management and user acceptance issues relating to optimal use of EHR applications
5. Understand the benefits and challenges associated with Regional Health Information Exchanges
6. Identify integration, security and compliance issues salient to Practice Management Systems

Tentative Topics:
1. IT in healthcare and overview of EHR applications
2. Benefits and business value from EHR applications
3. Implementation of EHR applications – Needs assessment, software selection etc
4. User support and acceptance of EHR applications
5. Definition and benefits of Regional Health Information Exchanges
6. Current Regional Health Information Exchanges
7. Challenges and Issues on building and participating in a Regional Health Information Exchange
8. Functionalities and benefits of Practice Management Systems
9. Integration of EHR applications and Practice Management Systems
10. Compliance and security issues in Practice Management Systems