New Course Request

NOV 11 2008

Indiana University IN Campus

Check Appropriate Boxes: Undergraduate credit ☐ Graduate credit ☒ Professional credit ☐ 90

1. School/Division Informatics 2. Academic Subject Code INFO
3. Course Number I641 (must be cleared with University Enrollment Services) 4. Instructor Josette Jones
5. Course Title Business of Health Informatics

   Recommended Abbreviation (Optional) _____
   (Limited to 32 Characters including spaces)
6. First time this course is to be offered (Semester/Year): Summer I/2008 - Fall 2008
7. Credit Hours: Fixed at 3 or Variable from _____ to _____
8. Is this course to be graded S-F (only)? Yes _____ No X
9. Is variable title approval being requested? Yes _____ No X
10. Course description (not to exceed 50 words) for Bulletin publication:

    This class focuses on the economic importance of healthcare IT adoption for value realization, as a strategic asset, an an investment, and transformation toward integrated decision making. Topics covered include but are not limited to implementation of (DSS), barcode tracking, EHRs, pay-for-performance, incentives for e-prescribing.
11. Lecture Contact Hours: Fixed at 3 or Variable from _____ to _____
12. Non-Lecture Contact Hours: Fixed at _____ or Variable from _____ to _____
13. Estimated enrollment: 10 of which 100 percent are expected to be graduate students.
14. Frequency of scheduling: annual Will this course be required for majors? No
15. Justification for new course: Development of Health Informatics curriculum
16. Are the necessary reading materials currently available in the appropriate library? Yes
17. Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other materials.
18. If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is necessary, desirable, or unimportant.
19. A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be overlap of the new course with existing courses or areas of strong concern, with instructions that they send comments directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus consulted.

Submitted by:

Mahesh Merchant Date 1/21/08
Department Chairman/Division Director

[signature] Date 1/29/08
Dean of Graduate School (when required)

[signature] APPROVED SEP 29 2008 9/30/08
IUPUI Curriculum Sub-Committee Date

Approved by:

[signature] Date 2/29/08
Dean

[signature] Date 11/4/08
Chancellor/Vice-President

_____ Date _____
University Enrollment Services

After School/Division approval, forward the last copy (without attachments) to University Enrollment Services for initial processing, and the remaining four copies and attachments to the Campus Chancellor or Vice-President.

School of Informatics

Business of Health Informatics

INFO I 641

Course information

- Credit hours: 3
- Placement in curriculum: An elective in the Informatics master's and doctorate of philosophy degree program
- Prerequisites: graduate standing *or* permission of instructor
- Co-requisites: none

Faculty

Josette Jones, PhD, RN
Assistant professor, School of Informatics
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Course Description (Bulletin, max 50 words)

This class focuses on the economic importance of healthcare IT adoption for value realization, as a strategic asset, as an investment, and transformation toward integrated decision making. Topics covered include but are not limited to implementation of (DSS), barcode tracking, EHRs, pay-for-performance, incentives for e-prescribing.

Course Description and Rationale (Syllabus)

The U.S. invests over $1.7 trillion annually in healthcare, yet the healthcare system is still plagued with inefficiency and poor quality. Better information systems could help. Most providers lack the information systems necessary to coordinate a patient's care, share needed information, monitor compliance with prevention and disease-management guidelines, and measure and improve performance.

This class focuses on the role and economic importance of healthcare IT adoption, on how to drive value realization, look at healthcare IT as a strategic asset, achieve value from clinical systems, manage healthcare IT as an investment, analyze ROI to make the case for investment, and governing transformation toward integrated decision making. Topics covered include but are not limited to implementation of Decision Support Systems (DSS), barcode tracking, EHRs, pay-for-performance incentives for e-prescribing and quality imperatives.

Course objectives

1. Develop an understanding of healthcare IT as a strategic asset.
2. Provide an in-depth analysis of ROI to make a case for IT investment, and
3. Explain how to achieve value from investment in clinical systems.
4. Explain key trends that will drive value in the future, taking a look at IT impact on wellness and care delivery.
5. Integrate lessons learned from healthcare IT adoption on how to drive value realization in health care.

Texts/readings

Arlotto PW. (2007): Beyond Return on Investment, Expanding the Value of Health Care Information Technology, HIMSS, Chicago IL

Selected readings

Teaching strategies

Lectures combined with threaded topical discussions
Case studies

Meeting Times: TBA

Building – Room: TBA

Course Expectation:

Class preparation including review and synthesis of relevant literature
Independent readings

Evaluation

Learning activity	Percentage of grade
Participation in all class discussions	30 percent
Contribute to regular scholarly exchange both within the classroom and through the case study development	20 percent
Evidence of scholarly critique of relevant	20 percent

assigned and independent readings	
Initiate, participate, report, and present a case study	30 percent

Topical Outline

- Health Care Information Technology (HIT) as a Strategic Asset
  - Value Realization and Management
  - Return on Investment (ROI) concept for HIT
  - Achieving and assessing the value from HIT

- Information Technology Adoption Culture and Risks
  - Risk aversion and the impact on value realizations
  - Role of governance structure on value based management
  - Rationales for government interventions

- Measuring HIT Productivity Improvements in Health Care
  - Potential benefits and added value of HIT
    - Inpatient care
    - Outpatient care
  - Cost /Utility
    - Inpatient care
    - Outpatient care
  - Business Intelligence of HIT

- Simulation of Financial Incentives
  - e-Prescribing
  - Modeling subsidies to Hospitals
  - Modeling Per-Encounter Incentives for Outpatient Clinics
  - Pay per Performance / Pay per Value
  - Health Information Exchange (HIE)

- Case Studies