New Course Request

Indiana University

14PU1 Campus

Check Appropriate Boxes: Undergraduate credit ☑
Graduate credit ☐ Professional credit ☐

1. School/Division: NURSING
2. Academic Subject Code: NURS

3. Course Number: (must be cleared with University Enrollment Services)
4. Instructor: Powell, Jarethea

5. Course Title: Nursing Informatics for Clinical Practice
   Recommended Abbreviation (Optional): (Limited to 32 Characters including spaces)

6. First time this course is to be offered (Semester/Year): Fall 2007

7. Credit Hours: Fixed at 3 or Variable from _______ to _______

8. Is this course to be graded S-F (only)? Yes ☑ No ☐

9. Is variable title approval being requested? Yes ☑ No ☐

10. Course description (not to exceed 50 words) for Bulletin publication: This web-based course is designed to expose students to nursing health informatics.

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: 30 of which 0 percent are expected to be graduate students.

14. Frequency of scheduling: 2 x year Will this course be required for majors? No

15. Justification for new course:

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:

[Signature] Date 3-21-07

Department Chairman/Division Director

Dean of Graduate School (when required)

Approved by:

[Signature] Date 3-19-10

Dean

Chancellor/Vice-President

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.
Nursing Informatics for Clinical Practice  
(NURS__)  
Indiana University School of Nursing, IUPUI

Course Information

✓ Credit Hours: 3
✓ Placement in Curriculum:  
   An undergraduate, upper level elective
✓ Pre requisite: basic computer course or skills
✓ Co-requisites: none

Faculty

Jarethea D. Powell MSN, RN  
Senior Lecturer

Nu 446E  
Email: jarpowel@iupui.edu  
Phone: (317) 278-3351

Description

This is a web-based course designed to expose the student to nursing/health informatics as a vehicle to facilitate effective and efficient functioning within health care organizations which are increasingly dominated by electronic systems used for information management. The focus of the course emphasizes human information management processes (locating, retrieving, analyzing, evaluating and utilizing). It covers social and ethical issues involved with the use of information technology in the delivery of health care.

Learning Objectives

Upon successful completion of this course, the student will be able to:

1. Define Nursing/Healthcare informatics.
2. Illustrate the importance of health information technology (HIT) and its implications for nursing care while understanding and communicating its limitations.
3. Discuss and access web based library data bases, etc.
4. Understand the principles of data management.
5. Recognize the importance of being competent end-users of current, easily available health care delivery resources.
6. Access and evaluate web based information used for patient education and recognize/evaluate quality seals.
7. Utilize selected computerized decision support system applications.
8. Demonstrate basic understanding of standardized clinical (nursing) languages and classification systems.
9. Locate and access resources for evidenced based nursing care electronically.
10. Demonstrate ethical behavior related to privacy issues, security and confidentiality of health information exchange.

Text/ Readings

Required Text:


Recommended Text:


Selected Readings

Teaching strategies

✓ Online lecture with threaded discussion
✓ Asynchronous discussions with selected synchronous demonstration sessions
✓ Use of CINAHL, Medline and other web based library knowledge-bases
✓ World Wide Web (www); accessing and critiquing healthcare sites.
✓ Exploration of hospital information systems and virtual hospitals.
✓ Demonstration of exemplars of information systems.

Evaluation

<table>
<thead>
<tr>
<th>Learning Activity</th>
<th>Possible Points</th>
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<tbody>
<tr>
<td>Contribution to online threaded discussions</td>
<td>70</td>
</tr>
<tr>
<td>Information retrieval exercises</td>
<td>20</td>
</tr>
<tr>
<td>Online database exercise</td>
<td>20</td>
</tr>
<tr>
<td>2 Reflective journal entries</td>
<td>20</td>
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<tr>
<td>Design of a teaching tool using web based information</td>
<td>30</td>
</tr>
<tr>
<td>(group project)</td>
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<tr>
<td>Critique of 2 health related www sites</td>
<td>30</td>
</tr>
<tr>
<td>Location and evaluation of evidence based nursing tools</td>
<td>10</td>
</tr>
<tr>
<td>and resources</td>
<td></td>
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</table>
If you need any special accommodations due to a disability, please contact Adaptive Educations Services at 274-3241. The office is located in CA 001E

Code of Ethics
The Student code of ethics applies to all learning venues (on campus or off-site)

Evaluation of Courses
Student evaluations of courses and faculty is an important part of the process used by the School of Nursing to improve the programs offered by the school. As a citizen of the school of Nursing community, it is your professional responsibility to participate in this process. Instructions about how to complete course evaluations will be posted on Oncourse. Your feedback goes directly to the university evaluation unit and is reported back to the school as group data only well after the semester is completed. There is no way that anyone from the School of Nursing can determine what an individual student has submitted. Narrative comments are handled by the department secretary only. We thank you for providing your input in this very important endeavor.
Nursing Informatics Competencies for Clinical Practice  
(NURS____)  
Indiana University School of Nursing, IUPUI

Important Course Information Continued...

Course Aim

This course is intended to provide an opportunity for students/practitioners to begin to develop and/or enhance informatics skills necessary to function effectively and competently in 21st century nursing/health care practice.

Faculty
Jarethea Powell, MSN, RN, NI

Communication and Contacts

Office Hours

Asynchronous Learning (description)

Synchronous Learning (description)

The Instructor will facilitate learning by publishing weekly.....

Required learning Activities...
Self Directed/Group Directed Learning Activities and Assignments...
Mini Lecture

The student will....

Locate and complete assignments... resources...
Topical Outline

Module I

Week 1- **Introductions (yourself to fellow students) and** familiarize self
with the course content and organization. Preliminary questions: Use Oncourse
question forum.

Weeks 1 and 2- **History and Definitions (Informatics/Health Informatics/Medical
Informatics/Nursing Informatics)**

Module II

**Health Information Technology: Implications for nursing care**

Weeks 3, 4, 5, 6

- Importance of information management in the 21st century -- Week 3
- Supporting Theories -- Week 4
- Understanding Information Systems -- Week 5
- Understanding Databases/Knowledge-bases -- Week 6
- Informatics and Nursing -- Week 6

Module III

**Nursing Informatics Applications**

Weeks 7, 8, 9, 10

- PDA Applications -- Week 7
- Telhealth -- Week 7
- Quality seals -- Week 8
- Consumer Health -- Week 8
- eHealth -- Week 8
- Data Management Systems (clinical databases/decision support systems) -- Weeks 9 and 10
Module IV

Exemplars of Health Information Systems/Nursing Information Systems

Weeks 11, 12, 13

- Nursing Classification Systems—Week 11
- Standardized Nursing Languages—Week 12
- Evidence Based Practice—Week 13
- Nursing Informatics Working Groups of various organizations—Week 13

Module V

Ethical Behavior

Weeks 14, 15

- Legal, ethical, privacy, security and confidentiality issues.—Week 14
- National Health Information Infrastructure and the Electronic Health Record—Week 15