INSTRUCTIONS: This form is used to make changes to a course number, title, 4-letter designator, credit hours, pre- or co-requisites, description, delivery location or delivery method, or to delete a course. If the change affects the interests of another unit or campus, letters of concurrence from those units must be attached. The form is available online at www.sc.edu/provost/acadprog.

Date: September 23, 2013  Campus: Columbia

College/School: College of Nursing  Department (if applicable): N/A

Undergraduate  Graduate

OLD COURSE INFORMATION

Course Designation: NURS 781  # Credit Hours: 3  # Times Course Can Be Taken: 

Course Title (24 Character limit): Applied Technology in Health Care

Cross-listed with which course? BIOS 700 and EDRM 710 or equivalent

Course Prerequisites/Corequisites: BIOS 700 and EDRM 710 or equivalent

Course Delivery Location: USC Campus  Course Delivery Method: Traditional Delivery

(If an off-campus delivery change is being requested, attach a completed Off-Campus Delivery (OCD) form)

Course Delivery Method: Distance Technology Delivery (streaming video, web-based, CD/DVD)

(If distance technology delivery is being requested, attach a completed Distance Education Delivery (DED) form.)

PROPOSED CHANGE

Proposed Effective Term - Change to database/bulletin effective no sooner than:

Year: 2013  Fall

Delete Course
Change Course Title to:
Change Course Designator to:
Change Course Number to:
Add or Change Cross Listing:
Change Credit Hours to:
Change Prerequisites/Corequisites to: Add NURS 805 to the list of prerequisites for this course.
Change Course Description/Content (Please attach a completed two-column Bulletin Change Form.)
Add or Change Delivery Location (Please attach a completed Off-Campus Delivery (OCD) Form.)
Add or Change Delivery Method to Distance Education (Please attach a completed Distance Education Delivery (DED) Form.)
Change Grading System to:
Other Change (Specify):
IMPACT ON OTHER ACADEMIC UNITS & CAMPUSES

Does the proposed course affect the curriculum, students or academic interest of any other unit at USC Columbia or on a USC Regional Campus?  □ Yes   □ No

Identify which unit(s)/campus(es) ____________________________________________________________

(If yes, please attach letters of concurrence from relevant units and/or the Office of System Affairs.)

REQUIRED ATTACHMENTS (The following documents as appropriate must be attached to this form before submission)

"Before" and "After" Course Syllabi required only for these actions:
- Course description change
- Course title change, if it implies substantially new content
- Change in course level from undergraduate to graduate, or vice versa

☐ Course syllabi (see http://www.sc.edu/provost/acadprog/courses/index.shtml for syllabus component guidelines and template syllabus)

☐ "Before" and "After" bulletin description on two-column Bulletin Change Form (BCH)

☐ Justification Form (JUS)

☐ Letters of concurrence (if appropriate)

CONTACT INFORMATION

Contact Person:  Dr. Stephanie Burgess
Print name  stephanie.burgess@sc.edu
Email Address

Interim Graduate Director
Title  (803) 777-2219
Phone Number  9/23/2013
Date

REQUERED APPROVALS

Department Chair:  Dr. Stephanie Burgess
Print name  stephanie.burgess@sc.edu
Email Address

Signature  9/23/2013
Date

Academic Dean:  Dr. L. Julia Ball
Print name  BALLLLJ@mailbox.sc.edu
Email Address

Signature  9/23/2013
Date

Dean of the Graduate School (as appropriate)

Print name
Email Address

Signature
Phone Number
Date

Date of Faculty Governance Approval (If appropriate)  □ Graduate Council  □ Faculty Senate

USC Graduate School

RECEIVED
SEP 24, 2013
INSTRUCTIONS: Please attach a statement explaining the justification for the proposed program or course action. This form is available online at www.sc.edu/provost/acadprog.

Date: September 23, 2020

Campus: Columbia

College/School: College of Nursing

Department (if applicable): N/A

Degree Program (if applicable): Master of Science in Nursing

☐ Undergraduate  ☒ Graduate

Students need solid foundation in the role of the Doctor of Nursing Practice in planning for, implementing, upgrading, and evaluating health care information systems. Students need also a foundation in applying computer literacy skills to the health care setting.

RECEIVED
SEP 24 2013
USC Graduate School
UNIVERSITY OF SOUTH CAROLINA
COLLEGE OF NURSING

Course Number: NURS 781

Course Title: Applied Technology in Health Care

Catalog Description: Computer applications and other technological advances in nursing and health care delivery. Nursing administration, patient care management, and research applications. Field study.

Pre- or Co-requisites: Pre-requisites BIOS 700 or EDRM 710 or equivalent, NURS 805

Placement in Curriculum: Required course in DNP Program

Credit Allotment: 3 credits (didactic; 1:1 ratio)

Course Schedule: Asynchronous web-based instruction with weekly assignment due dates. Two live web meetings will be required: one for final exam and one for consultation with faculty. Times for both sessions will be negotiated with students after the beginning of the semester.

Faculty: Joan Culley, PhD, MPH, MS, RN, CWOCN
College of Nursing Room 308A
Office Hours: Mondays 11:30 AM -12:30 PM , and by appointment
Office: 803-777-1257
Email: jculley@sc.edu

Course Overview: This course emphasizes knowledge and skills related to information systems/technology and patient care technology to apply new knowledge, manage individual and aggregate level information to support, and assess the efficacy of patient care technology appropriate to a specialized area of practice. The course explores the use of ethical, regulatory and legal standards in the design, selection and evaluation of information systems to support practice and administrative decision-making.

Course Objectives: At the conclusion of the course, the student will be able to:
1. Apply information theories/models to health care information system design.
2. Apply computer literacy skills to the healthcare setting.
3. Apply information literacy skills to the healthcare setting.
4. Evaluate the ways in which health care data, information, and knowledge influence the design of information and decision support systems.
5. Apply human factors and usability principles to health care information system design and use.
6. Articulate the role of the Doctor of Nursing Practice in planning for, implementing, upgrading, and evaluating health care information systems.
7. Use databases to capture, acquire, retrieve, aggregate and analyze data, information and knowledge.
8. Evaluate consumer health information sources for accuracy, timeliness, and appropriateness.
9. Analyze selected health care information systems/technology issues.
10. Use appropriate ethical, regulatory and legal standards when using, selecting and evaluating information systems.

Teaching Methods: Offline and online reading, online discussion, interactive web exercises, Adobe Connect meetings, individual and group projects/papers, and online student presentations. Course materials including: the syllabus, assignments, supporting reading assignments, required web site readings, learning activities as assigned per each class, and all course related communications are Approved Prerequisites by USC CON Grad Council Sept 9, 2013
posted on the course web site http://blackboard.sc.edu

Blackboard (Revised 7/09/07). A lot of valuable course material is available only on Blackboard. You are responsible for accessing this material and using it appropriately. An up-to-date handout on Blackboard is available at http://www.uts.sc.edu/tts/blackboard.shtml. This handout provides information on the required computer specifications and software programs needed to access the system and instructions on how to obtain a username and password. Once you have followed the instructions in your handout and have obtained your username and password, you may access your Blackboard account at http://blackboard.sc.edu. Your login will take you to a screen with a listing of all the courses in which you are enrolled.

If you experience problems logging into Blackboard, you can review detailed login instructions posted at http://www.uts.sc.edu/tts/blackboard.shtml You may also contact UTS helpdesk at 803-777-6015, Monday-Friday, 8 a.m. - 5 p.m. You may place a request for assistance at http://helpdesk.uts.sc.edu after hours or on weekends.

Once you've logged on to your course you can access the complete documentation for Blackboard by clicking on Tools and then clicking User Manual.

Learning Resources: Web-site: http://blackboard.sc.edu/, Internet, and the University of South Carolina's medical and campus libraries are learning resources available for student use.

Evaluation Methods:
Online Discussions and Activities - 20%
Unit 2 Group Project: Health Care Website Evaluation - 10%
Unit 3 Group Project: Software Application Review - 10%
Unit 4 Group Project: Database Project - 20%
Unit 6 Group Project: Proposal for an administrative or clinical software application - 25%
Proposal Presentation and Final Exam - 10%
DNP e-Portfolio Development for all DNP students or A synthesis and application statement by non-DNP students - 5%

Students are expected to participate actively on all online learning activities. Unexcused or excessive absences may result in lowering of the course grade.

Unless prior arrangement has been made, all written assignments are due on specified dates.
Assignments turned in past the deadline lose five points per day late. Note: weekend and holidays count as full days.

Peer evaluations: Individual grades for group projects will be adjusted according to the results of peer evaluations. The following grading rubric will be used:

• Average of '3' receive the group project grade
• Average of '2' receive 10 points lower than the group project grade
• Average of '1' receive 20 points lower than the group project grade

Grading Scale:
90 - 100 A
87 - 89 B+
80 - 86 B
77 - 79 C+
75 - 76 C
73 - 74 D+
70 - 72 D
69 and Below F

Approved Prerequisites by USC CON Grad Council Sept 9, 2013
Required Textbooks/Materials:
A web cam (will be required for web conferencing with the faculty member and attending the final exam session).

Optional Textbooks:

Bibliography:
Approved Prerequisites by USC CON Grad Council Sept 9, 2013


Topical Outline:

Unit 1: Introduction to information systems and applied technology in health care
- Competencies related to information systems and applied technology for a Doctor of Nursing Practice
- The role of nursing informatics in knowledge development and decision-making
- Definition of nursing informatics

Unit 2: Foundation of information systems and applied technology in health care

Approved Prerequisites by USC CON Grad Council Sept 9, 2013
Computer literacy
Information literacy
Theories and models in healthcare informatics

Unit 3: Supporting clinical decision making
Supporting Administrative Decision Making
Supporting Clinical Decision Making
The Electronic Patient Record

Unit 4: Data mining and knowledge discovery
Capturing, acquiring, retrieving, aggregating and analyzing data
Knowledge Representation

Unit 5: The DNP role in applying information systems and applied technology in healthcare
The Life Cycle of Healthcare Information Systems I: Implementing and upgrading information systems
Human-technology interaction: Performing usability assessments
The Life Cycle of Healthcare Information Systems II: Evaluation

Unit 6: Current issues in information systems and applied technology in healthcare
Ethical, regulatory and legal standards when using, selecting and evaluating information systems
Future issues

University and College Attendance Policy for On-Line Graduate Courses
Students are expected to log into the course at least 2 times weekly to read announcements, access course content in Course Weekly Guides, participate in interactive online learning activities. Unsatisfactory class attendance may be considered adequate reason by the instructor for requesting the student to withdraw from the course. (Refer to the most current edition of the USC Graduate Bulletin, current College Graduate Student Handbook, and the current Student Handbook.)

Statement of Academic Responsibility
"It is the responsibility of every student at the University of South Carolina Columbia to adhere steadfastly to truthfulness and to avoid dishonesty, fraud, or deceit of any type in connection with any academic program. Any student who violates this rule or who knowingly assists another to violate this rule shall be subject to discipline." (USC Bulletins, Carolina Community, College of Nursing Student Handbooks)

Student Code of Conduct on Disruptive Activity (Revised 6/23/09): “The University policies on disruptive activity and misuse of telephones and other communications technology are described in the Student Code of Conduct in Carolina Community” as follows (See Carolina Community for full description of Student Code of Conduct):

5.18. Disruptive Activity: No person or organization may interfere with, disrupt normal activity and operations of, or promote the interference or disruption of students, faculty, administration, staff, or the educational mission of the University, or of the University or its buildings, equipment or facilities. Any form of expression that materially interferes with such activities and operations or invades the rights of persons may be proscribed or prohibited. Noncompliance with reasonable time, place, or manner restrictions on expression is considered a violation of this section. Such activity includes, but is not limited to, behavior in a classroom or instructional program that interferes with the instructor’s or presenter’s ability to conduct the class or program, or the ability of others to profit from the class or program. Examples of disruptive activity (in and out of the classroom) include, but are not limited to:
Talking in class, but not about course content
Approved Prerequisites by USC CON Grad Council Sept 9, 2013
Sleeping in class
Fighting
Yelling/cursing
Threats

5.19. Misuse of Telephones and/or other Communication Technology: No student shall misuse or abuse, or assist in the misuse or abuse of communication equipment at the University. Such activity includes, but is not limited to, using any form of communication equipment to harass or threaten any person or persons, or using any form of communication equipment to disrupt the normal operations or activities or any person, organization, or the University. Communication equipment includes, but is not limited to, electronic mail, pagers, voice mail, computers, printer, etc. Cell phones and pagers must be turned off or to silent operation during class.

Students found in violation of the student code of conduct will be sanctioned in the following manner:
1st violation: written warning
2nd violation: dismissal from the class and report filed with the Office of Student Judicial Programs

Examples of disruptive behavior in an online course include, but are not limited to:
Posting messages of inappropriate or angry nature on public and private discussion boards, in chat rooms, blogs, wikis, and e-portfolios
Using the course' email feature for solicitations and spam
Giving Blackboard and/or Adobe Connect username and password to persons who are not authorized to access the system

Please note that all materials created and presented in this course are copyrighted © material. None of the materials may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, email, scanning, microfilming, facsimile and recording, or by any information storage and retrieval system, without permission in writing from the author.

Approved Prerequisites by USC CON Grad Council Sept 9, 2013