

COURSE SYLLABUS
Southeast Missouri State University

Department of Nursing

Course No. NS601

Title of Course: Informatics for Advanced Nursing Roles

New X

I. Catalog Description and Credit Hours of Course:

An overview of informatics, the transformation of data into information, knowledge, decisions, and actions to improve outcomes. (3)

II. Prerequisite (s): Admission to the MSN program.

III. Purposes or Objectives of the Course:

- A. Explore basic concepts of informatics, including privacy and security, data management, data mining, search techniques, and different information technologies.
- B. Use knowledge and concepts of informatics to plan advanced nursing care to enhance health outcomes and quality of life.
- C. Integrate technology systems (electronic records, decision support systems, telehealth, data management) into the delivery and coordination of care
- D. Examine legal and ethical issues related to the use of informatics and healthcare technologies (e.g., confidentiality, privacy, copyright, standardized language)
- E. Use informatics technologies to document in accordance with current regulatory processes and payer systems

IV. Student Learning Outcomes:

- A. Select databases useful for the support of evidence-based practice.
- B. Compare various vocabulary structures to meet identified information search needs.
- C. Examine ethical issues related to the use of electronic health records.

V. Expectations of Students:

- A. Attend class/ complete all online voice-over PowerPoints and complete assignments as scheduled and on time.
- B. Fulfill all requirements as outlined in the MSN Student Handbook
- C. Students are expected to comply with the expectations for civility, respect, and academic honesty as described in the current *Southeast Missouri State University Statement of Student Rights and Code of Student Conduct*, as well as all responsibilities described in the *MSN Handbook*.
 - 1. Academic Honesty: Students will be expected to abide by the University Policy for Academic Honesty regarding plagiarism and academic honesty. Refer to: <http://www6.semo.edu/judaffairs/code.html>
 - 2. Civility: "Every student at Southeast is obligated at all times to assume responsibility for his/her actions, to respect constituted authority, to be truthful, and to respect the rights of others as well as to respect private and public property. In their

academic activities, students are expected to maintain high standards of honesty and integrity and abide by the University's *Policy on Academic Honesty*. Alleged violations of the *Code of Student Conduct* are adjudicated in accordance with the established procedures of the judicial system." (From the preamble of the *Statement of Student Rights and Code of Student Conduct*, revised January 8, 2004, Southeast Missouri State University)

- D. Student with Disabilities Information: If a student has a special need addressed by the Americans with Disabilities Act (ADA) and requires materials in an alternative format, please notify the instructor at the beginning of the course. Reasonable efforts will be made to accommodate special needs. "Any student who believes that they may need an academic accommodation based on the impact of a disability should contact the instructor to arrange an appointment to discuss their individual needs. Instructors rely on Disability Support Services as a student with a disability will be encouraged to do so." In other words, accommodations do not have to be given unless the disability is verified by Disability Services (573-651-5927). (Located on the Disability Services webpage)
- E. Incomplete Course Grade: Should a student receive an incomplete grade in this course, the Course instructor will be responsible for determining the time period allotted for completion of course requirements. A written contract between the course instructor and student will indicate the reason for the incomplete, the work that must be completed, the deadline for completing the work, and signatures of both parties. A copy of the contract will be maintained by the instructor and the student and placed in the student's file.
- F. Questions, comments or requests regarding this course or program should be taken to your instructor. Unanswered questions or unresolved issues regarding this class may be taken to Dr. Gloria Green, Chairperson, Department of Nursing.
- G. Class Session Recording Restriction: The recording of any class session is prohibited except with expressed consent of the course instructor/presenter at the time of the recording.

VI. Course Content or Outline (Indicate number of class hours per unit or section):

- A. Course Orientation /Overview of Nursing Informatics (3 hours) – **Face-to-face Class**
- B. Knowledge Management Strategies and Tools (3 hours) – **Bring Laptops to class or schedule class in computer lab**
 - 1. Mechanics of Search Strategies
 - 2. Boolean operators
 - 3. MeSH terms
 - 4. Saving Articles and Search Strategies
 - 5. Other Resources, Hands on Experience
- C. Electronic Health Records (3 hours)
- D. Knowledge Translation (3 hours)
- E. Evidence-based practice (3 hours)
- F. Privacy and Security (3 hours)
- G. Telehealth and Communication Technologies (3 hours)
- H. Health IT and Patient Safety (IOM report) (3 hours)
- I. Survey Tools (3 hours)
- J. Data Management: Data In and Data Out Issues; Standardized Terminologies (3 hours)
- K. Personalized Health and Personalized Health Records (PHR's) (3 hours)
- L. Meaningful Use (3 hours)
- M. Health Literacy (3 hours)
- N. Health Literacy (Cont.), Discuss project ideas (3 hours)

O. Presentation of Informatics Projects – ***Face-to-face class*** (3 hours)
Total (45 hours)

VII. Textbook(s) and/or Other Required Materials or Equipment:

A. Saba, V.K., & McCormick, K.A. (2011). *Essentials of nursing informatics* (5th ed.). New York: McGraw-Hill.

VIII. Basis for Student Evaluation:

A. MeSH Search	20%
B. EHR Comparison	20%
C. Survey Monkey Challenge	20%
D. Informatics/Health Literacy	<u>40%</u>
Project & Presentation	100%

Grading (Southeast Missouri State University is on a 4.0 grade point system. Graduate courses are graded A, B, C, and F. There is no D at the graduate level. The following grading scale for the MSN Program is:

90%-100%	A
80%-89%	B
70%-79%	C
69% and below.....	F

Approved Graduate Program Committee 8/21/13
Approved Total Faculty Department of Nursing 9/25/13
Approved HHS College Council 10/16/13
Approved Graduate Council 11/22/13