**University of West Georgia**

**School of Nursing**

**Fall 2013**

**NURS 90\_\_-Informatics, Technology, and Health Care Outcomes**

**Description:**
This course focuses on the theoretical basis of healthcare informatics with an emphasis on management and processing of healthcare data, information, and knowledge. Healthcare vocabulary and language system, and basic database design concepts are addressed.

**Prerequisites:** NURS
**Co-requisites:** NURS
**Credit:** (3-0-3)
**Faculty:**

**Expected Individual Student Learning Outcomes:** On completion of the course and its related activities, students will be able to:

1. Analyze the historical basis and conceptual and theoretical models for healthcare informatics.
2. Apply computer and information literacy skills to the healthcare setting.
3. Access a large dataset and use the data to answer a clinical question.
4. Examine selected taxonomies, vocabularies, and coding systems relevant to healthcare.
5. Evaluate the ways in which healthcare data, information, and knowledge influence the design of information and decision support systems to support administration, practice, education, and research.
6. Apply human factors and usability principles to healthcare information system design and use.
7. Articulate the health care informatics professional's role in planning for, implementing, upgrading, and evaluating health care information systems.
8. Assess the impact of health care information systems on individuals, organizations and society (social, legal, privacy, ergonomics).
9. Discuss current topics and global initiatives in the field of healthcare informatics.
10. Project the impact of emerging technology and proposed standards on the future of health care information systems.

January 30, 2013 Jack Yensen