NUR 112
Informatics

This module is a student driven faculty facilitated semester service-learning project continuing the advanced concept of Informatics. Each student will join a group based on their interests and select from one of X projects to be completed over the semester. Each project must be based on an Evidence-based practice identified community need. Each group of student's will form and contract with the Coordinator. Each student must join a group. The class will not be allowed to ostracize any student. Student diversity and ethnicity is to be appreciated in this class. The contract is based on 50% of the grade coming from the group evaluation and 50% of the grade coming from the contract with the clinic coordinator. Groups may choose from one of 6 topics. They must develop their project and pilot it in a service-learning environment (i.e. group of volunteer diabetid patients, church, or community center. Bonus points will be awarded for projects to clients from an at-risk population such as Hispanic or Hmong (students must arrange for interpreters).

This module is based on the gold standard of Diabetes Self-Education from the American Diabetes Association (ADA) standards for Medical Practice (updated annually) and the American Association of Diabetes Educators (AADE) seven (7) Core measure of diabetes self-management education listed below:

1. Bring active: physical activity (exercise)
2. Eating
3. Medication taking
4. Monitoring of blood glucose
5. Problem solving especially for blood glucose: high and low levels and sick days
6. Reducing the risk of diabetes complications
7. Living with diabetes (psychosocial adaptation)

COURSE DESCRIPTION:
This course provides an overview of factors related to informatics in nursing with special emphasis on development of conceptual frameworks for group practice and service-learning. Focus is on national health priorities and assessment strategies. Functions and roles of Nurses as well as health care delivery and Diabetic education are explored. Students should integrate Constructivism and adult learning theory into their projects

OBJECTIVES:
1. Analyze factors that affect the health status of diabetics
2. Analyze the influence of historical and current trends on public health nursing
3. Consider interrelations between theoretical foundations of nursing care and meaning Diabetic Self-Management Education
4. Synthesize theoretical foundations from informatics, nursing, and Diabetes conceptual framework for their own nursing practice
5. Demonstrate the use of principles of community assessment related to diabetes
6. Distinguish basic and advanced practice of informatics related to Diabetes Self-Management Education in nursing.

Learning Resources
Web sites:
ADA:  http://professional.diabetes.org/
AADE:  http://www.diabeteseducator.org/
Conversation Maps:  http://www.healthyi.com/
http://www.mypyramid.gov/
http://www.ndep.nih.gov/
http://www.changingdiabetes-us.com/

Learning Activities
- On line diabetes education class based on ADA guidelines.
- Comprehensive Diabetes simulation
- Foot Care
- Meal Plan
- Exercise plan
- Develop diabetes case study for each type of diabetes post online

**Evaluation:**
Group Evaluation
Coordinator evaluation
Pilot test group evaluation