NUR 111
Informatics

This module introduces the concept of informatics. A majority of seventy-five percent of this class is recommended to be conducted online using Blackboard or Web CT. Emphasis is placed on the exemplar of Diabetes Mellitus. 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)

Upon completion of this module the student will be able to:

1. Describe types of diabetes
2. Relate the pathophysiological processes involved with normal glucose metabolism.
3. Describe the basic diagnostic and laboratory tests utilized to determine the client’s diabetes status.
4. Assimilate the use of Health Promotion and Primary Prevention on the prevalence of Diabetes Mellitus.
5. Discuss the causes of abnormal glucose metabolism for each type of diabetes mellitus; including Type 1, Type 2, Gestational, and Prediabetes.
6. Assess the client’s diabetes status through the health history, physical exam, and evaluation of A1C.
7. Identify nursing interventions including rationale that promote Diabetes Self-Management
8. Identify strategies to help the client cope with living with diabetes and diabetic complications
9. Discuss the implications of age (elderly and pediatric) on diabetes status.

Learning Resources
Web sites:
ADA: http://professional.diabetes.org/
AADE: http://www.diabeteseducator.org/
Conversation Maps: http://www.healthyi.com/

Learning Activities
- Discuss on of the Diabetes Case studies using an on line group format.
- Facilitate a group using Conversation Maps™
- Participate in Regional Simulated Hospital “Diabetes Complication Simulation”
- Develop a semester clinical group Diabetes Project supported with evidence based practice articles (EBP). Project Template available upon request cburgess@cvcc.edu (publication pending)

Evaluation:
Unit Exams
Evaluation of Facilitation of a group using Conversation Maps™
Evaluation of Diabetes Complication Simulation
Clinical Performance Evaluation
Project Team Rubric