NUR 111  
Oxygenation

**Description:** This module introduces the concept of oxygenation. Emphasis is placed on factors affecting oxygenation, oxygen delivery systems, and basic arterial blood gas analysis.

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

1. Describe factors affecting respiration.
2. Relate the physiological processes involved in ventilation and perfusion.
3. Assess the client’s oxygenation status through the health history and physical exam of the respiratory system.
4. Describe the basic diagnostic and laboratory tests utilized to determine the client’s oxygenation status.
5. List the various oxygen delivery systems.
6. Identify nursing interventions including rationale that promote oxygenation.

**Learning Resources:**

Websites: The Auscultation Assistant [www.ucla.edu/wilkes/intro.html](http://www.ucla.edu/wilkes/intro.html)

Lab: Ausculate various breath sounds on patient simulator.

DVD: The Respiratory Assessment

Guest Speaker: Respiratory Therapist

**Learning Activities:**
Complete basic arterial blood gas analysis critical thinking exercise.
Discuss the “Client with Alteration in Respiratory Status” case study.
Practice application of various oxygen delivery systems.
Practice respiratory assessment skills in lab.

**Evaluation:**
Unit exams
Lab competencies
Clinical Performance Evaluation