**NUR 111**  
**Oxygenation**

**Description:** This module introduces the concept of oxygenation. Emphasis is placed on factors affecting oxygenation, oxygen delivery systems, and various procedures and diagnostics used in assessment of respiratory functions.

**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 clients’ oxygenation status.  
5. Explain the utilization of interdisciplinary teams in care of the patient with impaired oxygenation.  
6. List the various oxygen delivery systems.  
7. Identify nursing interventions including rationale that promote oxygenation for individuals across the lifespan.  
8. List health promotion measures for prevention and management of respiratory health.

**Learning Resources:**  
**Text:****

**Websites:**

**Lab:** Patient simulator - respiratory assessment.  

**DVD:** Suctioning; Nasotracheal, Oropharyngel, & Endotracheal Techniques

**Evolve RN OnLine Case Studies (Text book companion):** Medical/Surgical Case Studies “Patient with COPD & Pneumonia”

**Learning Activities:**  
Practice application of various oxygen delivery systems.  
Practice respiratory assessment skills in lab.  
Practice skills of turn, cough, deep breathe, sputum collection, oral and nasal suctioning, nasal cannula, simple face mask, venturi mask, pulse oximetry.

**Evaluation:**  
Unit exams  
Lab competencies:  
Demonstrate mastery of respiratory assessment and nursing skills.

Clinical Performance Evaluation