Description: The module is on the concept of oxygenation and will focus on:
- Review of normal respiratory physiology
- Factors affecting oxygenation
- Oxygen delivery systems
- Basic arterial blood gas analysis

Learning Outcomes: Upon completion of this module, the student will be able to:
1. Relate the physiological processes involved in ventilation and perfusion.
2. Assess the client’s oxygenation status through the health history and physical exam of the respiratory system.
3. Discuss diagnostic and laboratory tests to determine the client’s oxygenation status.
4. Apply the nursing process in providing culturally competent caring interventions across the lifespan for clients with common oxygenation/ventilation disorders.
5. Differentiate among the various oxygen delivery systems.
6. Identify nursing interventions including rationale that promote oxygenation.

Learning Resources:
Text: Potter and Perry Fundamental of Nursing, Chapter 39
      Bates Guide to Physical Exam and History Taking Chapter XX

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

Video: Promoting Adequate Oxygenation
       Pulse Oximetry

Guest Speaker: Respiratory Therapist

Learning Activities:
Complete worksheet on arterial blood gas analysis
Lab: Practice applying various oxygen delivery systems on mannequins
     Practice Yankaur suctioning
Simulation: Interpret history and respiratory assessment data and analyze client’s blood gas result. Apply the nursing process to provide appropriate nursing interventions and evaluate effectiveness.

Evaluation:
Content will tested on unit exam.
Clinical performance will be evaluated on Course Clinical Evaluation Tool.