Course Description:

This course will provide a discussion of etiology, pathogenesis, pathology, diagnosis, history, prognosis, manifestations, treatment and detection of cardiopulmonary diseases.

Text, References and Supplies:


Student Learning Outcomes:

Upon successful completion of the course, students will:

1. Describe and apply, history and physical examination techniques with patients with pulmonary issues.
2. Describe diagnostic methods related to respiratory disease (i.e. PFT, ABG, O₂ assessment, CV assessment, CXR and other diagnostic tests).
3. List the definition, etiology, general pathological changes, clinical manifestations, diagnostics, prognosis and management for the following respiratory diseases/disorders:
   1. Obstructive pulmonary disorders
   2. Infectious pulmonary conditions
   3. Pulmonary vascular disorders
   4. Thoracic and pleural disorders
   5. Disorders of the pleura and parietal wall
   6. Environmental pulmonary disease
   7. Neoplastic pulmonary disease
   8. Diffuse alveolar capillary dysplasia
   9. Neurological and sleep apnea disorders
   10. Newborn and early childhood disorders
   11. Other issues related to the respiratory system

Student Contributions, Responsibilities and Class Policies:
Each student will spend at least 6 hours per week preparing for class. Attendance is critical in this class and is outlined in the Midland College Catalog, the student handbook and the Respiratory policy handbook. **All classroom performance and behavior will be considered academic.**

### Evaluation of Students:

A minimum of (4) tests will be given including a comprehensive final (unless otherwise designated by the instructor). The final exam will carry the same weight as other exams (not quizzes). Weekly quizzes will be averaged and will equal one exam. Test questions will come from lecture, reading assignments and homework assignments.

1. Tests (minimum of four)  
   400 pts
2. Quiz average  
   100 pts
3. Attendance/participation  
   62.5 pts
4. Term project/paper  
   62.5 pts

**Total 625**

**Term Project** – The subject of the project is to be chosen by the student with instructor approval. The subject of the project must fall within the course of study. The project should consist of a title page, with seven (7) pages typed, double spaced, with a bibliography with a minimum of four references. Only 1 (one) internet reference is allowed. Use of appropriate APA referencing is required. The suggested form is an acceptable college level research paper.

**Multimedia Project** – The multimedia project will be a PowerPoint presentation created by individuals or pairs (a third person may be added to a group with the instructor’s approval). It will address the definition, etiology, pathophysiology, clinical presentation and treatment of a respiratory disease previously approved by the instructor. It will include graphics and audio, proper uses of multimedia slides, stimulate higher order discussion between the audience and the presenters and have accurate references. A rubric will be provided that addresses the grading project.

### Course Schedule:

The class meets for 3 lecture hours per week, Wednesdays from 1:00 pm to 4:00 pm.

### Americans with Disabilities Act (ADA):

Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements should contact the Shep Grinnan as soon as possible. Mr. Grinnan’s office is located in the Scharbauer Student Center Building. These conditions may include documented physical or educational disabilities. Please be aware that services or accommodations are not automatic. Each student must request them and secure the proper authorizations/documentation.

### Division Information:  Health Sciences

<table>
<thead>
<tr>
<th>Division Dean:</th>
<th>Carmen Edwards, DNP, MSN, RN</th>
<th>DFHS Bldg. RM 234</th>
<th>432-686-4822</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Chair:</td>
<td>Bob Weidmann, BS, RPFT, RRT-NPS, RCP</td>
<td>AMS Bldg. RM A 34</td>
<td>432-685-5549</td>
</tr>
<tr>
<td>Division Secretary:</td>
<td>Kay Floyd</td>
<td>DFHS Bldg. RM 206</td>
<td>432-685-4600</td>
</tr>
</tbody>
</table>