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| **PROFESSOR:**  Heather O'Connell MS RRT,  CPFT/Shawn Gilmartin RRT | **PHONE NUMBER:**  239-489-9003 |
| **OFFICE LOCATION:**  A- 129 | **E-MAIL:**  heather.oconnell@fsw.edu  sgilmartin@fsw.edu |
| **OFFICE HOURS:**  See list below | **SEMESTER:**  Fall 2017 |

1. **COURSE NUMBER AND TITLE, CATALOG DESCRIPTION, CREDITS:**

**RET 2254C RESPIRATORY CARE ASSESSMENT (6 CREDITS)**

In this course the student will learn the assessment of patients for diagnostic and therapeutic interventions. The focus of this course is the differential diagnosis procedures for cardiopulmonary patients. The development of appropriate communication skills with physicians, patients, and other health care providers is emphasized through the preparation and delivery of a complete patient case study.

1. **PREREQUISITES FOR THIS COURSE:**

RET 1613C

**CO-REQUISITES FOR THIS COURSE:**

RET 2234C

1. **GENERAL COURSE INFORMATION:** Topic Outline.

Both a lecture and Web CT resources will be integrated to provide multiple resources for a variety of learning styles. The primary course topics include:

* Patient Interview & Physical Assessment Techniques
* Infectious Diz. Precautions (H1N1 Hepatitis B, HIV/AIDS, MERSA, TB)
* Assessment of Primary Pulmonary Pathology & Altered Lung Physiology
* Arterial Blood Gas Puncture and Analysis [Checkoff Policy]
* Determination of Acid Base, Electrolyte and Fluid Balance Abnormalities
* Chest X-Ray Interpretation Landmarks
* Alternative Technologies for Assessment of Pulmonary Function
* Capnography (PETCO2) & Other methods of Non-invasive Assessment
* Assessment of Sleep and Breathing
* Bronchoscopic Evaluation
* Complex ECG Interpretation
* Critical Thinking in Respiratory Care & Clinical Simulation Test Strategies
* Medical Records and Case Study Presentation Protocols

1. **All courses at Florida SouthWestern State College contribute to the general education program by meeting one or more of the following general education competencies:**

**C**ommunicate clearly in a variety of modes and media.

**R**esearch and examine academic and non-academic information, resources, and evidence.

**E**valuate and utilize mathematical principles, technology, scientific and quantitative data.

**A**nalyze and create individual and collaborative works of art, literature, and performance.

**T**hink critically about questions to yield meaning and value.

**I**nvestigate and engage in the transdisciplinary applications of research, learning, and knowledge.

**V**isualize and engage the world from different historical, social, religious, and cultural approaches.

**E**ngage meanings of active citizenship in one’s community, nation, and the world.

**A.**  **General Education Competencies and Course Outcomes**

1. Listed here are the course outcomes/objectives assessed in this course which play an integral part in contributing to the student’s general education along with the general education competency it supports.

General Education Competency: **Investigate**

Course Outcomes or Objectives Supporting the General Education Competency Selected:

* Discover and apply new ideas related to the employment of the pulmonary physical exam and related diagnostic techniques along with the appropriate calculations and measurements required for the assessment of patients, in an inpatient or outpatient, Respiratory Care clinical setting.
* The student’s individual investigative expertise will be assessed through both oral and laboratory-based quizzes, as well as multiple choice section exams.

General Education Competency: **Think**

Course Outcomes or Objectives Supporting the General Education Competency Selected:

* Evaluate and consider new technologies and their effects on patients including the ability to safely obtain and prepare for analysis, an arterial blood sample, an expiratory gas sample and electrocardiograms.
* Both laboratory assessment, in small groups, and traditional multiple choice exams will be used to assess the student’s expertise to think through these patient assessments.

General Education Competency: **Evaluate**

Course Outcomes or Objectives Supporting the General Education Competency Selected:

* Using pulmonary assessment methodologies, interpret the findings for representative physical exam and arterial blood gas assessments, clinical laboratory tests, chest radiographs, electrocardiograms, pulmonary function studies, and sleep studies arterial blood gas assessments from patients.
* This evaluation process is assessed for each student, through Quizzes, Multiple Choice Exams and a comprehensive case study presentation

1. **DISTRICT-WIDE POLICIES:**

**Programs for Students with Disabilities**

Florida SouthWestern State College, in accordance with the Americans with Disabilities Act and the College’s guiding principles, offers students with documented disabilities programs to equalize access to the educational process. Students needing to request an accommodation in this class due to a disability, or who suspect that their academic performance is affected by a disability should contact the Office of Adaptive Services at the nearest campus. The office locations and telephone numbers for the Office of Adaptive Services at each campus can be found at <http://www.fsw.edu/adaptiveservices>.

**REPORTING TITLE IX VIOLATIONS**

Florida SouthWestern State College, in accordance with Title IX and the Violence Against Women Act, has established a set of procedures for reporting and investigating Title IX violations including sexual misconduct.  Students who need to report an incident or need to receive support regarding an incident should contact the Equity Officer at [equity@fsw.edu](mailto:equity@fsw.edu).  Incoming students are encouraged to participate in the Sexual Violence Prevention training offered online.  Additional information and resources can be found on the College’s website at <http://www.fsw.edu/sexualassault>.

1. **REQUIREMENTS FOR THE STUDENTS:**

Assignments - Reading assignments for next class, formal laboratory observation and participation, computerized clinical simulations, case study presentation are all integrated with students’ formal clinical observations and participation. The interaction with appropriate Canvas resources will facilitate student’s learning and enable successful completion of course examinations. In addition to classroom and laboratory activities, the students may be required to do current event article reviews. These articles must be from current/recent Respiratory Care Journal or another approved journal.

All work is to be completed solely and independently by the student unless stated as a group assignment. Inclusion of facts, ideas, quotes, or other materials from outside sources must be cited and referenced in all work. Failure to cite references may constitute plagiarism. Evidence of cheating and plagiarism are cause for disciplinary action by Florida Southwestern State College. According to Florida Southwestern State College, plagiarism and cheating refer to the use of unauthorized books, notes, using the copy and paste function, or otherwise securing help in a test; copying tests, assignments, reports, or term papers; representing the work of another person as one's own; collaborating without authority with another student during an examination or in preparing academic work, or otherwise practicing academic dishonesty.

Zero-Tolerance Policy: Florida Southwestern State College maintains a zero tolerance policy for academic dishonesty. Any student found in violation of academic honesty will subject to sanctions, which may include up to receiving a grade of "F" in this course. Any School of Health Profession student that receives a grade of "F" for academic dishonesty in any course may be permanently dismissed from the program they are enrolled.

1. **ATTENDANCE POLICY:**

Attendance is required. It is in the student’s best interest to obtain the information missed as a result of lateness or absence. It is the student’s responsibility to pre-arrange an alternative for any class or laboratory activities missed. Alternative access to course content is available via the Canvas site set up for this course; however, attendance has a direct correlation upon learning and failure of the student to participate in the learning opportunities (“Top-Ten”, In-class and On-line Discussions and Labs), each Tuesday, will result in a reduction in the final grade. If a student is going to be late or absent, they should contact the Professor and/or leave voice mail at: (239) 489-9003. Please make sure you communicate your attendance obstacles to Professor Heather O’Connell or Prof. Sean Gilmartin

1. **GRADING POLICY:**

Section Exams (3) ……………………………......................................... 30%

In Class Responses and Attendance *……………………………………..….*10%

Lab Activity................................................................................. 20%

Case Study (*Capstone for the Class*) ……………..……………….………….15%

Comprehensive Final Exam\*\* ..................................................... 25%

\*\***A passing grade (75 or higher) on the final exam is required to pass the course**

The following is a range used by faculty for the Respiratory Care Program:

93 - 100 = A

85 - 92 = B

75 - 84 = C

65 - 74 = D

Below 65 = F

(Note: The “incomplete” grade [“I”] should be given only when unusual circumstances warrant. An “incomplete” is not a substitute for a “D,” “F,” or “W.” Refer to the policy on “incomplete grades.)

1. **REQUIRED COURSE MATERIALS:**

Shellady, David C. & Peters, Jay L. (2016), Respiratory Care, Patient Assessment & Care Plan Development Jones & Bartlett Learning

A minimum 7” Electronic Tablet with WiFi capability for Use in Class and Clinic

1. **RESERVED MATERIALS FOR THE COURSE:**

CANVAS and Laboratory Materials will be extensive. Media adjuncts are available in the laboratory and on Canvas. Text materials can be signed out for one week periods through the office. The Encyclopedia of Pulmonary Medicine and other resources are available as online sources through the Edison Library On-Line Resource Link: <http://www.fsw.edu/library>

1. **CLASS SCHEDULE:**

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| **Date** | **Topic(s)** | | | **Reading Assignments** | | | | **Lab Activity** | | |
| **8/22** | **Course Overview**  **Pulmonary Patient Assessment- Interview/Hx**  **Breath Sounds** | | | **Shellady Ch 1, 4 & 3** | | | | **Breath Sounds Inspection/Palpation of lungs *Please bring stethoscope, earphones***  **Pt Interview** | | |
| **8/29** | **Non-invasive O2 and CO2 monitoring**  **Assessment of Ventilation**  **Arterial Puncture-Anatomy, Technique and Safety**  **Assessing Acid-Base Status** | | | **Shellady Ch 6 & 8** | | | | **Non-invasive Lab /Axel End tidal CO2**  **-Pulse Ox/PetCO2**  **Allen’s test/Artery**  location  **ABG Analysis** | | |
| **9/5** | **ABG’s continued**  **Clinical Laboratory Assessments** | | | **Shellady Ch 8 & 9** | | | | **Art. Puncture Supervised**  **Practice**  **Case Studies**  **Blood Gas Analyzer QC**  **Art. Puncture Sign-offs** | | |
| **9/12** | **\*EXAM 1\***  **Intro to Chest Radiograph**  **Radiation Safety** | | | **Shellady Ch 11** | | | | **Art. Puncture Sign-offs**  **CXR Anatomy and landmarks** | | |
| **9/19** | **Chest Radiology for DDX**  **Intro to PFT** | | | **Shellady Ch 7/11 cont.** | | | | **Diz assessment with CXR**  **PFT graphics Shapes**  **Plexiglas Lung Model**  **PFT lab methods and measurement** | | |
| **9/26** | **Pulmonary Function Testing Nutrition** | | | **Shellady Ch 12** | | | | **PFT lab cont.**  **Bedside Screen**  **Interpretation exercise**  **RT Protocol Sim. Lab I** | | |
| **10/03** | **12-lead ECG as an assessment tool** | | | **Shellady Ch 10** | | | | **ECG arrhythmia recognition**  **Protocol Assessment Post Mor.**  **RT Protocol Sim. Lab II N/C** | | |
| **10/10** | **\*\*EXAM 2\*\***  **Assessment of**  **hemodynamics** | | | **Shellady Ch 10 & 14** | | | | **Bedside assessment of cardiac**  **status [12 lead & Stress Testing]** | | |
| **10/17** | **Review of Exam 2**  **Bronchoscopy**  **Diagnostic and Therapeutic** | | | **Shellady Ch 13** | | | | **Bronch Cart set up**  **Bronch equipment and ID Bronch sample technique** | | |
| **10/24** | | **Bronchoscopy cBronchoscopy Cont. Shellady Ch 13 &**  **Conscious SedaConscious Sedation Assmt. 14** | | | | | **Simulations—Bronch comp**  **[Cross Sim Classic Sim]** | | |
| **10/31** | **Polysomnography &**  **Airway Assessment** | | | | **Shellady Ch 15** | | | | ***Neonatal Birthing Scenario A.Vitale/J. Newberry*** |
| **11/7 Expansion Class TBA** | | | *TBA* | | | | TBA | | |
| **11/14 \*\*\*Exam 3\*\*\***  **Infectious Diz Overview** | | | **CDC Website** | | | | **Case Presentation Workshop** | | |
| **11/21 Case Presentations Group 1**  **11/28 Case Presentations Group 2**  **12/5 \*\*Final Exam\*\* 0900- 1100** | | | | | | **ShShellady Ch 3** ***Simulation-- Code TBD***  ***Simulation Advanced Pt. Mngt.*** | | | |

1. **ANY OTHER INFORMATION OR CLASS PROCEDURES OR POLICIES:**

**Academic Dishonesty (Cheating) is defined as completing written quizzes and exams with unauthorized electronic, written or verbal assistance. It is also defined as providing unauthorized electronic written or verbal assistance to another student during a required evaluation or test. Academic dishonesty is unacceptable behavior. In this course, this behavior is subject to sanctions ranging from complete loss of credit on a test to dismissal from the Respiratory Care Program.**

**General Class Rules:** *See Respiratory Care Student Handbook***.**

Communication with your professors: is a “2- way street” and it is very important! You should call or e-mail every time you may be late or miss class for any reason. Please see Professor O’Connell or Prof. Gilmartin for any academic difficulty you may be experiencing.

**Clinical Associates /Faculty for the Course Labs:**

DCE: Prof. Heather O’Connell MSM-HA RRT, CPFT

Co-Prof. Sean Gilmartin, BS, RRT

CA: Jennifer Beck, BAS, RRT

CA: Katherine Cation, RRT

**Professor O’Connell Office Hours for Fall 2017**

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| *Monday* | Office hours 9-12 and 1-4 |
| *Tuesday* | RET 2254 from 8-4 |
| *Wednesday* | 8-12 office hours, RET2234 from 1-4 |
| *Thursday* | Clinical, by appointment only |
| *Friday* | Clinical, by appointment only |