

Heart of Georgia Technical College
560 Pinehill Road
Dublin, Georgia 31021

COURSE SYLLABUS

COURSE TITLE: Pulmonary Function Testing
INSTRUCTOR: Natalie A. Smith, BS, RRT, RPFT
Office: 224 V Telephone: 478-274-7881
E-mail: nsmith@heartofgatech.edu

NUMBER: RTT 215

Pager: 888-489-1557
Office hours: Tuesday/ Thursday 7:00 AM- 8:30 AM,
Thursdays 4:00 PM- 6:00 PM

COURSE DESCRIPTION: Provides knowledge regarding normal and abnormal pulmonary functions. Emphasizes performance, interpretation, and evaluation of various pulmonary function studies. Topics include: pulmonary function testing, pulmonary function interpretation, pulmonary function evaluation, and blood gas analysis, and polysmnography.

PREREQUISITE (S): RTT 193

DEMONSTRATED COMPETENCIES:

1. Discuss pulmonary function testing principles.
2. Identify the standard pulmonary function testing equipment.
3. Perform standard pulmonary function studies.
4. Interpret standard pulmonary function studies.
5. Evaluate standard pulmonary function studies.
6. Discuss blood gas analysis principles.
7. Identify the standard blood gas analysis equipment.
8. Perform standard blood gas analysis.
9. Discuss polysmnography principles

RECOMMENED TEXTBOOK(S):

- Wilkins, Scanlan, Stoller, Egan's Fundamentals of Respiratory Care, 8th Ed., Mosby
- White, Equipment Theory for Respiratory Care, 3rd Ed., Delmar

METHODS OF INSTRUCTION:

The course will be presented through lectures, discussions, audio-visual materials, class or laboratory projects, daily assignments, written projects, written reports, prepared speeches, library assignments, field trips, guest speakers, and tests and quizzes.

MATERIALS/TOOLS REQUIRED: Pencils, pens, paper, calculator, textbooks, etc.

WORK ETHICS GRADE:

Evaluation of a wide range of behaviors commonly called Work Ethics will also be incorporated into various aspects of the course. These behaviors include, but are not limited to: attendance, character, teamwork, appearance, attitude, productivity, organization, communication, cooperation, and respect. These aspects of Work Ethics are considered to be extremely important and will be stressed throughout the course of your educational Program. Students will receive a 'Progress Report' for Work Ethics at Midterm and will receive a Final Work Ethics grade in each class at the end of the Quarter. It is necessary for each Student to be aware of the fact that their Work Ethics grades are included on their Transcripts and may be viewed by potential employers.

ATTENDANCE POLICY:

Students are expected to attend class regularly and to be on time for each class. Instructors keep accurate records of absence and tardiness and attendance records will become part of both the student's course grade as well as their Work Ethics Grade.

Attendance and punctuality includes beginning of class period, return from breaks and staying until class completion. Any student that misses more than one-third (33%) of a scheduled class session will be counted absent for the entire class session. Three class tardies or early dismissals are equivalent to one absence. Whenever a student's absences exceed 10% of the total scheduled contact hours for the class, the instructor will perform an administrative withdrawal of the student from the class. Students have 48 hours to appeal if withdrawn from class for attendance violation or academic deficiency.

Students are expected to adhere to all classroom and clinical attendance policies as specified in the Respiratory Therapy Program Handbook.

TESTING FORMAT:

Quizzes or test may include matching, multiple choice, true-false, completion, and essay items. Any student absent on the day of an examination, without prior notification and approval from the Instructor, will not be permitted to reschedule the exam and will receive an automatic "O" grade for that exam. Make-up examinations are at the Instructor's discretion only under extenuating emergency circumstances. The instructor reserves the right to request a physician's note for any absence due to illness on the day of an exam. An alternate version of the exam will be administered under these circumstances. Assuming prior notification is received for an unapproved absence, the Instructor may agree to allow the Student to be given the opportunity to take a retest with the highest grade possible being a 70%. In the event that the Instructor does allow a make-up examination to be administered, the Student must be prepared to complete it immediately upon their return.

GRADING SYSTEM:

When grade averages reflect 0.1 – 0.9, these tenths of points will not be calculated when averaging grades. Grades will be assigned according to the following scale: A: 90–100 B: 80–89 C: 70–79 D: 60–69 F: 59 and below. You must achieve a C or better to pass this course.

WITHDRAWAL FROM CLASS

Before Midterm	W
Midterm to 8 th week	
• Grade of 60 or above	WP
• Grade of 59 or below	WF
8 th week to term end	F
Unable to complete	I

COURSE WEIGHTS:

Homework and Quizzes:	20% of Final Course Grade
Tests:	40% of Final Course Grade
Project:	10% of Final Course Grade
Final:	30% of Final Course Grade

ACADEMIC IRREGULARITIES:

A student commits an academic irregularity when any of the following are involved:

1. Copying another student's work or plagiarizing any report, project, program, or assignment.
2. Copying answers from another student or use of unauthorized notes during an examination.
3. Theft or unauthorized possession of examinations.

NOTE: Possession of any old exams is considered unauthorized possession

Such academic irregularities could result in one or more of the following:

1. Mandatory academic probation
2. A "O" will be given for the test or lab project/report.
3. An "F" will be given for the course.
4. Dismissal from the program.

SPECIAL NEEDS:

Heart of Georgia Technical College provides free tutoring for all interested students. This tutoring is at no cost to the student and may be scheduled through Mrs. Lydia Barfoot at 274-7652. A computer help lab is also available and may be utilized at no cost to the student.

Any student who has educational needs or physical limitations may contact Mrs. Barfoot at 274-7652 as Heart of Georgia Technical College provides services for both.