



PTA 210 Syllabus
SEMESTER
School of Nursing and Health Professions

<i>Course Name:</i>	Pathological Dysfunction
<i>Course & Section Number:</i>	PTA 210-XXX
<i>Meeting Day(s) & Time(s):</i>	DATE (Per Lab section assignment) DATE Lecture
<i>Credits:</i>	4
<i>Contact Hours:</i>	3 - lecture, 3 - lab
<i>Instructor's Name:</i>	
<i>Office Hours & Location:</i>	
<i>OCC Phone:</i>	
<i>OCC Email:</i>	
<i>Additional Contact Information:</i>	

*Please call me (Name); it is my preferred name. Please use only Owens' email for course communications.

*The PTA Student Handbook contains many relevant policies and procedures related to the course including grading, assignments, testing, and more. Students are responsible for the program policies noted in the handbook relating to the work in this course.

Disclaimer: The instructor reserves the right to amend this syllabus as deemed necessary and will communicate such amendment to the students in the course. Please note that while unlikely, there is a possibility courses might need to change the delivery method due to external issues like public health concerns, weather issues, etc. If this happens, the college will communicate any changes via email and/or other communication methods.

Catalog description:

This course presents an introduction and discussion of multiple body systems including cardiovascular, pulmonary, integumentary, endocrine, and more. Disease etiology, medical diagnosis, and pharmacology of common pathologies encountered in physical therapy are discussed. Associated dysfunctions, treatment implications, therapeutic interventions, and care team management for the physical therapist assistant are addressed. Laboratory sessions provide application of learned skills.

Corequisites: PTA 101

Course Materials:

- Marshall, C. (2023). Goodman and Fuller's Pathology for the Physical Therapist Assistant (3rd ed.). Elsevier - OHCE. <https://bookshelf.vitalsource.com/books/9780443113376>
- Fulk, G., & Chui, K. (2024). O'Sullivan & Schmitz's Physical Rehabilitation (8th ed.). F. A. Davis Company. <https://bookshelf.vitalsource.com/books/9781719651479>
- Fairchild, S. L., O'Shea, R. K., & Pierson, F. M. (2023). Pierson and Fairchild's Principles & Techniques of Patient Care. Elsevier.

Additional Materials: (Provided to each student mid-semester)

- Clinical Pattern Recognition. (2025). Physical therapy (Version 2025.08.07163834) Physio U. Retrieved from <https://clinicalpattern.com/physical-therapy/>
- Scorebuilders. (n.d.). Basecamp [Mobile application]. <https://basecamp-sb.com>

What You Will Learn in the Course

Course Objectives:

The course will:

1. Explain etiology, medical diagnosis, and treatment of various pathologies.
2. Provide a comprehensive overview of multi-system interactions within the body related to the practice of physical therapy.
3. Explain how to distinguish indications, precautions, red flags, and contraindications for the physical therapist assistant when treating patients with various pathologies.
4. Provide a comprehensive overview of infection control with application in physical therapy treatment scenarios.
5. Describe common medications relating to the treatment of various body systems.
6. Teach students how to determine appropriate clinical decisions and actions throughout the implementation of the plan of care established by the physical therapist.
7. Show students how to outline components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and after physical therapy interventions for the cardiovascular, pulmonary, integumentary, and lymphatic systems in consideration of pain and pain experiences.
8. Elaborate on the role of the physical therapist assistant in understanding the outcome of performed tests and measures to determine the need for consultation with a physical therapist related to the cardiovascular, pulmonary, integumentary, and lymphatic systems in consideration of pain and pain experiences.

9. Build a pathway to outline therapy interventions for cardiovascular, pulmonary, integumentary, lymphatic, pain and pain conditions as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes.
10. Explain how to categorize appropriate remedial, functional, and compensatory treatments for specific factors caused by injury or disease.
11. Explain the impact of patient-centered interprofessional collaborative care and the role of the physical therapist assistant in the collaborative care team.

Student Learning Outcomes:

The student will:

Outcome	Evaluation Measure (where assessed)
1. Discuss how multiple body systems interact and the implications to be considered in physical therapy treatment.	Post LEC Q #2, EXAM 1, 2, and 3, PLQ #2
2. Identify disease etiology, medical diagnosis, normal treatment protocol, and associated implications for the physical therapist assistant when treating various cardiovascular, pulmonary, integumentary, lymphatic, endocrine and metabolic, pain, oncologic, genitourinary, gastrointestinal, reproductive, and immune conditions.	PLQ #1, and all other Quizzes, Exams 1-3, Skill Checks, and Practical Exams
3. Identify precautions, red flags, and contraindications to therapeutic exercise and/or treatment based on presenting conditions, signs, and/or symptoms.	All Quizzes, Exams, Skill Checks, and Practical Exams
4. Explain orthostatic hypotension and how it affects patient safety and physical therapy treatment.	Orthostatic Hypotension Lecture Worksheet Assignment, Practical Exam 1-4. Quizzes and Exams
5. Outline normal parameters for vital signs for a child, an adolescent, and an adult.	Practical Exam #1, Post LEC Q#1, PLQ #2
6. Demonstrate an understanding of and perform universal precautions including the use of personal protective equipment (PPE) for various patient scenarios.	Practical Exam #1, LAB Q#1
7. Outline the indication, outcome, and overdose signs and symptoms of common medications used to treat various pathologies of the cardiovascular, pulmonary, integumentary, lymphatic, and metabolic systems.	Pharmacology Lecture Worksheet Assignment, Post LEC Q #2
8. Select and perform components of data collection using appropriate tests and measures to measure and monitor patient responses before, during, and after physical therapy interventions for the cardiovascular, pulmonary, integumentary, and lymphatic systems in consideration of pain and pain experiences.	Practical Exam #1-4, Physio U Lung Sounds Simulation, Basecamp Pulmonary Function Tests,

Outcome	Evaluation Measure (where assessed)
9. Select appropriate treatment interventions by calculating maximum heart rate and selected target heart rate ranges while utilizing knowledge of metabolic equivalents (METs) in various phases of rehabilitation.	Practical Exam #2, Basecamp Metabolic Equivalents Assignment
10. Analyze lab values to determine adjustments needed to physical therapy treatment.	Lab Values Lecture Worksheet Assignment, Basecamp Laboratory Values, Quizzes and Exams
11. Summarize the indications for and functions of common acute care and acute rehabilitation equipment related to physical therapy.	Physio U Simulation Lines, Tubes, and Medical Equipment Assignment, Simulation Lab Field Trip @ Hospital Facility, Skill checks and Practical 3 and 4.
12. Organize multiple pieces of ambulatory and patient support equipment during mobility.	Physio U Lines and Tubes Assessment, Simulation Lab Field Trip @ Hospital Facility. Skill Checks and Practical 3 and 4.
13. Select and perform interventions for cardiovascular, pulmonary, integumentary, lymphatic, pain and pain conditions as identified in the plan of care established by the physical therapist to achieve patient and client goals and outcomes.	Practical Exam 1-4. Pulmonary Rehabilitation Case Study and Treatment Plan Assignment
14. Adapt a treatment session based on the analysis of assessed vital signs.	Practical Exams 1-4
15. Discuss how evidence-informed practice may affect the choice and use of selected interventions.	Evidence Based Practice Cardiac Rehabilitation Group Assignment

PTA Program Outcomes:

The following outcomes are assessed in this course

Outcome	Evaluation Measure (where assessed)
The Program will graduate individuals who are safe with patient care.	Practical Exam, Lecture Assignment Worksheets, Lecture Exams and Quizzes
The Program will graduate individuals who demonstrate cultural sensitivity in their interactions.	Evidence Based Practice Cardiac Rehabilitation group project. Practical Exams 1-4. Lecture worksheets.
The Program will graduate individuals who demonstrate effective clinical problem-solving skills.	Practical Exam 1-4, Quizzes, Exams, In-Class Activities Lecture and Lab. Simulation Experience at the hospital facility.

Institutional General Education Competencies:

As a student at Owens Community College, you will take General Education courses as part of your degree program. While specific to the General Education courses, these competencies will be reinforced in many of your degree program major courses and may be measured in your capstone course(s) and others as identified.

Competency	Evaluation Measure (where assessed)
Communicate effectively.	Practical Exam 1-4, Classroom etiquette skills labs/skill checks, Simulation Lab with volunteer patients
Act with professional responsibility.	Practical Exam 1-4, Classroom etiquette skills labs/skill checks, Simulation Lab with volunteer patients
Demonstrate sensitivity to others' beliefs and values.	Evidence Based Practice Cardiac Rehabilitation group project.
Think analytically, critically, and creatively.	Practical Exam, Quiz, Exam, Lecture worksheet Assignment

Technology, Lab, and File Requirements:

Students should refer to the PTA Student Handbook for specific policies and procedures related to technology, lab, and file requirements.

Academic Support

Disability Services Resource Center: If you have a disability or acquire one, you may be entitled to receive reasonable accommodation intended to assure you an equal opportunity to participate in and benefit from the program. To receive more information or to register for accommodations, please contact the Disability Resource Center at 567-661-7007, email: disability@owens.edu, visit <https://www.owens.edu/disability/>, or stop by College Hall 124.

Tutoring Services: Owens Community College offers academic tutoring and assistance in a variety of subjects including: accounting, computing, economics, mathematics, science, and writing. For more information go to: <https://www.owens.edu/successcenters/>

Counseling Services: Counseling Services provides assistance to students experiencing personal, educational, interpersonal/relationship, family, social, or psychological difficulties. If you feel you may benefit from this service, please contact them at counselingservices@owens.edu. More information is at <https://www.owens.edu/counseling/>

Campus and Community Connections: The Center for Campus and Community Connections (College Hall 123) is a walk-in office created to provide retention support through resource stability initiatives and community connections. Go here for more information: <https://www.owens.edu/connection/> or contact connections@owens.edu

Owens Library: The Owens Library offers two locations (Toledo and Findlay) as well as online resources. For more information visit <https://www.owens.edu/library/>.

Students can find more information on campus resources, student support, student life, and security at this link.

General Information

Student Code of Conduct: All students are expected to follow Owens Community College's Student Code of Conduct, which includes academic honesty, encompassing plagiarism. See the Board Policy for more information.

Anti-Discrimination and Harassment & Title IX/Sexual Misconduct: All students, faculty, and staff are expected to follow Owens Community College's [Anti-Discrimination and Harassment Policy](#) and the College's [Title IX Policy/Sexual Misconduct Procedures and Guidelines](#). The College strictly prohibits and will not tolerate harassment, discrimination, intimidation, or hostile/offensive working or learning environments

Religious Accommodations: A student seeking an accommodation for an absence permitted under Ohio's Testing Your Faith Act must provide the instructor with a written email notice with the specific dates for an absence and must do so not later than fourteen (14) days after the first day of instruction. Alternative accommodations are not retroactive, and no academic penalty will be imposed for an absence under the policy*. The request for an alternative accommodation will be kept confidential. Students with questions about a religious accommodation under Ohio's Testing your Faith Act may contact the College's Office of Academic Affairs:
provost@owens.edu

The policy may be found on the Owens website: 3358:11-2-63 Accommodation for a Student Absence for the Observance of Religious Beliefs and Practices Policy

Document Collection: Throughout the semester, your instructors may ask for a variety of assignments including tests and/or quizzes for student learning of institutional general education competencies or program assessment. Please save all your class materials until the end of the semester.

Classroom Admittance: OCC classes shall only be attended by the officially registered OCC students or prospective students, instructor of record, guest lecturer, or substitute. Visitors are not permitted to be in the classroom and should not be invited to attend or participate in the class. See [FERPA](#) regulations for more information.

Use of AI:

Students should refer to the PTA Student Handbook for the AI policy.

Student Responsibilities & Instructor Expectations

Students should refer to the PTA Student Handbook for policies and procedures related to classroom preparedness, classroom behaviors and expectations, attendance, open lab, office hours, and communication expectations.

How Grades are Determined and Major Assignments?

Lecture:

Evaluation Measure	Student Learning Outcomes Assessed	Value (points)
Pre-lecture Quizzes (PLQ) (10 @ 5pts), 1 Additional for up to 5 bonus points	1-15	50
Post-LEC Quizzes (8 @ 10 pts)	1-15	80
Exams (3 @ 100 pts)	1-15	300
Cardiac Rehab Evidence-Based Practice Assignment	15	20
Lecture Worksheets (7 @ 5 pts, 1 @ 15 pts)	1, 2, 4, 7, 10	50
Scorebuilders Basecamp Assignments (6 @ 2pts)	1, 2,	12
Pulmonary Rehabilitation Treatment Plan	1-5, 13	20
Total		532
Points required to pass the lecture portion of the course (minimum of 77.0%)		409.64

Lab:

Evaluation Measure	Student Learning Outcomes Assessed	Value (points)
LAB Quizzes (4 @ 10 pts)	1-15	40
Practical Exams (4 @ 100 pts)	6, 8, 9, 11, 13, 14	400
Practical Exam Questions (4 @ 5 pts)	1-15	20
Physio U Assignments (5 @ 2 pts)	2, 9, 11	10
Total		470
Points required to pass the lab portion of the course (minimum of 77.0%)		361.9

The final course grade is to be computed using the following weights.

Evaluation Measure	Value	Student Learning Outcomes
Lecture total	60 %	1-15
Lab total	40%	1-15

Grading Scale and Procedure: *Total points 1,001*

Letter Grade	Associated Percentage	Points
A	93.0%– 100%	931-1001
B	85%-92.9%	851-930
C	77.0%-84.9%	771-770
D	70.0%-76.9%	701-770
F	69.9% and below	0-700

*Students should refer to the PTA Student Handbook to review additional policies and procedures related to grading, turning in assignments, and how to pass PTA-technical courses.
Tentative Class Assignments:

Week & Dates	SLO	Lab Session - DATE – TIME	Lecture – DATE, TIME
1	1-4, 8, 14	Topics: Intro to Lab, Syllabus Review, Vital Signs Workshop Pre-Lab Reading/Viewing: <i>O’Sullivan:</i> CH 2: Vital Signs (Page numbers on skill checks) Skill Checks today: Heart Rate (HR) Respiratory Rate (RR) Pulse Oximetry (SpO2) Blood Pressure (BP) Assignments/Tests: NONE	Topics: Intro to Lecture, Syllabus Review, Vital Signs, Pathology Intro, Infection Control Pre-Class Reading/Viewing: <i>Goodman:</i> CH 1: Introduction to Pathology (PLQ#1: Bonus Points) <i>O’Sullivan:</i> CH 2: Vital Signs <i>Principles of Patient Care:</i> CH 2: Approaches to Infection Control Assignments/Tests: NONE
2	1-7, 9		Topics: Vital Signs Monitoring, Guidelines for Exercise and Activity, Problems Affecting Multiple Systems Pre-Class Readings/Viewing: <i>Goodman E-Book:</i> Appendix B: Guidelines for Exercise and Activity. (PLQ #2) <i>Goodman:</i> CH 2 Problems Affecting Multiple Systems In-class Activities: Orthostatic Hypotension Worksheet

			Assignments/Tests: <i>O'Sullivan:</i> CH 2: Vital Signs (Post LEC Q#1)
3	1-8, 14	Topics: Finish Vital Signs and remaining Practical #1 Skills, Rubric Review Pre-Lab Reading/Viewing: <i>PPC Book:</i> CH 2: Approaches to Infection Control (Pages/Boxes listed in Skill checks) Practical 1 Rubric Skill Checks today: Pain Personal Protective Equipment (PPE) Aseptic Gloving Technique Assignments/Tests: LAB Q#1: Vitals, PPE, Aseptic Techniques.	Topics: Heart Disease, Cardiac Rehabilitation, The Immune System, and Discussion of Evidence Base Practice Assignment Pre-Class Readings/Viewing: <i>O'Sullivan:</i> CH 13: Heart Disease <i>Goodman:</i> CH 4: The Immune System (PLQ #3) In-class Activities: Cardiac Rehabilitation Worksheet Heart Auscultations Assignments/Tests: <i>Goodman:</i> CH 2 Problems Affecting Multiple Systems (Post LEC Q #2)
4	1-6, 10, 14	Topics: Practical 1: Vital Signs PPE Aseptic Techniques Assignments/Tests: Practical 1 Questions	Topics: The Cardiovascular System, Review for Exam 1 Pre-Class Readings/Viewing: <i>Goodman:</i> CH 9: The Cardiovascular System (PLQ #4) Exam 1 Study Guide In-class Activities: Cardiac Rehabilitation Worksheet Lab Values Worksheet Assignments/Tests: <i>O'Sullivan:</i> CH 13: Heart Disease

			(Post LEC Q#3)
5 r	1-5, 8-9, 13-14, 15	Topics: Cardiac Rehabilitation Pre-Lab Reading/Viewing: <i>O'Sullivan:</i> CH 13 Heart Disease: Pages listed on skill checks Skill Checks today: Rating of Perceived Exertion (Borg RPE) Sternal Precautions (SP) Sternal Precautions with transfers (TF) Assignments/Tests:	Topics: Cardiac Rehabilitation Pre-Class Readings/Viewing: NONE In-class Activities: Cardiac Rehabilitation Evidence-Based Practice Assignment Group Presentations Lab Values Worksheet Assignments/Tests: Exam 1
6	1-5, 7-10, 13-14	Topics: Cardiac Rehabilitation Pre-Lab Reading/Viewing: <i>O'Sullivan:</i> CH 13 Heart Disease: Pages listed on skill checks <i>Physio U and YouTube Videos</i> Skill Checks today: Metabolic Equivalents (METS) In-Class Activities: Practice determining appropriate vital signs to monitor with patients Assignments/Tests:	Topics: Vascular Disorders and Hematologic System Pre-Class Readings/Viewing: <i>O'Sullivan:</i> CH 14 Vascular, Lymphatic, and Integumentary Disorders Pages 478-485 (PLQ #5) Remainder of Chapter 14 will be reviewed week 10 <i>Goodman:</i> CH 10 The Hematologic System In-Class Activities: Peripheral Vascular Disease Worksheet Assignments/Tests:
7	1-5, 7-9, 13-14	Topics: Finish Cardiac Rehabilitation Pre-Lab Reading/Viewing: Practical 2 Rubric Example patient cases	Topics: The Respiratory System, Pulmonary Rehabilitation Treatment Plan Assignment Pre-Class Readings/Viewing: <i>Goodman:</i> CH 11 The Respiratory System

		In-class Activities: Mock Practical rotations Assignments/Tests: <i>Physio U:</i> Lines, Tubes, and Medical Equipment LAB Q #2: Cardiac Rehabilitation skills	<i>Pulmonary Rehabilitation Treatment Plan Assignment Instructions and Rubric</i> In-class Activities: Pharmacology Worksheet Assignments/Tests: <i>Goodman:</i> CH 10 The Hematologic System (Post LEC Q #4) <i>Basecamp:</i> Metabolic Equivalents (METS)
8	1-5, 7-9, 13-14	Topics: Practical 2 Cardiac Rehabilitation Assignments/Tests: Practical 2 questions <i>Physio U:</i> Atrioventricular Heart Blocks	Topics: Pulmonary Dysfunction and Pulmonary Rehabilitation Pre-Class Readings/Viewing: <i>O'Sullivan:</i> CH 12 Chronic Pulmonary Dysfunction <i>Goodman:</i> CH 12 The Hepatic, Pancreatic, and Biliary Systems (PLQ #6) Assignments/Tests: <i>Goodman:</i> CH 11 The Respiratory System (Post LEC Q #5) <i>Basecamp:</i> Laboratory Values
9	1-5, 8, 13-14	Topics: Pulmonary Rehabilitation Pre-Lab Reading/Viewing: <i>O'Sullivan:</i> CH 12 Chronic Pulmonary Dysfunction: Pages listed on skill	Topics: The Integumentary System and review for Exam 2 Pre-Class Readings/Viewing: <i>Goodman:</i>

		checks <i>Physio U and You Tube Videos</i> Skills Checks today: Breathing Techniques Full body positioning Postural Drainage Assignments/Tests: Physio U: Lung Sounds Simulation Physio U: Burns Simulation	CH 7 The Integumentary System (PLQ #7) Exam 2 Study Guide Assignments/Tests: <i>O'Sullivan:</i> CH 12 Chronic Pulmonary Dysfunction (Post LEC Q #6) Pulmonary Rehabilitation Treatment Plan Assignment Basecamp: Pulmonary Function Tests Simulation
10	1-5, 8, 13- 14	Topics: Finish Pulmonary Rehab and Prep for practical Pre-Lab Reading/Viewing: <i>O'Sullivan:</i> CH 12 Chronic Pulmonary Dysfunction: Pages listed on skill checks <i>Physio U and You Tube Videos</i> Practical 2 Rubric Skill Checks today: Sputum Production (all as one) Percussion Vibration/Shaking Huff cough Assignments/Tests: Physio U: Burns Simulation LAB Q #3: Pulmonary Rehabilitation skills	Topics: The Lymphatic and Integumentary System Disorders, and Burns Pre-Class Readings/Viewing: <i>O'Sullivan:</i> CH 14 Vascular, Lymphatic, and Integumentary Disorders CH 24 Burns (PLQ #8) In Class Activities: The Rule of Nine's Worksheet Assignments/Tests: Basecamp: System Interactions Exam 2
11	1-5, 8-9, 13-14	Topics: Practical 3 Pulmonary Rehabilitation	Topics: The Endocrine and Metabolic Systems Pre-Class Readings/Viewing: <i>Goodman:</i> CH 8 The Endocrine and Metabolic System

		Assignments/Tests: Practical 3 questions Physio U: Lymphedema Simulation	CH 6 Oncology (PLQ #9) In Class Activities: Diabetes Worksheet Assignments/Tests: Basecamp: Pathology 1: Metabolic and Endocrine <i>O'Sullivan:</i> CH 14 Vascular, Lymphatic, and Integumentary Disorders (Post LEC Q #7)
12	1-5, 8-9, 13-14	Topics: Medically Complex Patients skills Pre-Lab Reading/Viewing: <i>O'Sullivan:</i> CH 14: Pages listed on skill check (wounds) <i>Physio U and You Tube Videos</i> Skill Checks today: Wound Assessment Diabetes Foot Inspection Diabetes Pre-treatment questionnaire	Goodman E book: CH 10 The Female Genital/Reproductive System CH 5 The Renal and Urologic System (Kaltura Video)
13	1-5, 8-9, 11-14	Blanchard Valley Health Systems: <i>Findlay, Ohio Field Trip</i> *Hospital Equipment Simulation Lab: Simulation and Clinical Education Center 1733 South Main Street Findlay, Ohio 45840 <i>*Meet at the facility during your regular lab time</i> Pre-Lab Reading/Viewing: Review skill check Physio U and You Tube videos Skill checks today: Movement with the medically complex patient Discussion Board Assignment	Topics: Pelvic Health, The Female and Male Reproductive Systems Pre-Class Readings/Viewing: <i>Goodman E book:</i> CH 9 The Male Genital/Reproductive System (PLQ #10) In-class Activities: GI, Renal, GU Worksheet (Dedicating some time in class) Practicing Kegel exercises Assignments/Tests: Basecamp: Pathology 2: Metabolic and Endocrine

		Simulation Center reflections Initial response due DATE Responses to others due DATE Taking the place of questions after the final combined practical	
14	1-5, 8-9, 11-14	Topics: Finish the Medically Complex Patient skills and review for final Practical Pre-Lab Reading/Viewing: Final Combined Practical Rubric and other supplemental information Skills checks today: Kegels In-class Activities: Mock Practical scenarios Assignments/Tests: LAB Q #4 Practical 4 Skills	Topics: The Gastrointestinal, Genitourinary, Renal, and Urologic Pre-Class Readings/Viewing: <i>Goodman E book:</i> CH 4 The Gastrointestinal System (PLQ #11) Pre-Class Readings/Viewing: Exam 3 Study Guide In Class Activities: Disease Speed Dating Bingo Kahoot Jeopardy Assignments/Tests: <i>Goodman E book:</i> CH 10 The Female Genital/Reproductive System (Post LEC Q #8)
15	1-5, 8-9, 11-14	Final Practical Exam with 101: DATE	
16	1-7	Final Practical Exam - Reschedules & Second attempts: DATE Final Lecture Exam 3: DATE Cumulative Exam: **To Be Determined	

Assignment Calendar Notes:

1. Lecture Exams:

- a. Available Monday-Friday of the scheduled exam week. Visit the testing center website to schedule the date and time of the exam.
<https://www.owens.edu/testing/>
 - i. **EXAM 1:** Open DATE during testing center hours
 1. Goodman: CH 1, 2, 4, and 9. E-Book Appendix B
 2. O'Sullivan: CH 2, and 13
 - ii. **EXAM 2:** Open DATE during testing center hours
 1. 20% from Exam 1, and 80% from the following:
 - a. Goodman: CH 7, 10, 11, and 12
 - b. O'Sullivan: CH 12, and 14 (Vascular Pages listed)
 - iii. **EXAM 3/FINAL:** Open DATE during the testing center hours
 1. 20% from Exam 1 and 2, and 80% from the following:
 - a. Goodman: CH 6, and 8. E-Book CH 4, 5, 9, and 10.
 - b. O'Sullivan: CH 14 (ALL), and 24
- b. It is the student's responsibility to schedule their exam online prior to the testing date.
- c. Exception: the final exam will be available DATE.

2. All Post LEC and Post LAB Quizzes:

- a. LEC and LAB Quizzes are available DATE at TIME.
- b. LEC and LAB Quizzes are due on Tuesday of the assigned week at TIME.

3. Pre-Lecture Quizzes (PLQ):

- a. The content for the PLQ will be the listed content on the content calendar unless otherwise noted by the instructor.
- b. This 5-point quiz will be administered at the beginning of class on the weeks indicated in the content calendar.
- c. Late arrival to class will result in the student being unable to take the PLQ unless the absence is excused.
- d. **Exception:** The PLQ on DATE will be a practice, non-graded quiz. Points earned on this PLQ #1 will be bonus points toward the lecture grade.

4. LAB Practical Exams:

- a. Taken on the student's scheduled lab day and time.
- b. See Blackboard for rubrics and schedules.

5. LAB Questions:

- a. After each Practical Exam there will be a 5-question assignment to complete and submit before TIME on the day the practical occurs.
 - i. **Exception: No questions after the final combined practical.**
 - ii. **These points are now being accounted for in the Simulation Center Reflection assignment/discussion.**
- b. The answers each student provides will be specific to their practical experience and will begin to provide improvements in remembering key details to write down for a treatment session.
 - i. *Example questions* could be but not limited to:
 1. What was your "IN" time and "OUT" time?

2. Which Vital Sign did you assess?
 3. What were the results of the vital sign assessed?
 4. What is your rationale for choosing this vital sign?
 5. List one example of any "Subjective" Information you gathered from your patient.
6. **Basecamp:** Students must receive an 80% or higher to pass that section's assignment. ALL assignments must be completed and turned in with at least an 80% pass rate to pass this course. Students will submit their scorecard report for each assignment through the link provided. The due dates are 11:59 PM on Friday, the week indicated on the content calendar. See below for due dates:
- a. **Metabolic Equivalents (METS)** due DATE
 - b. **Laboratory Values** due DATE
 - c. **Pulmonary Function Tests** due DATE
 - d. **System Interactions** due DATE
 - e. **Pathology 1-Metabolic and Endocrine** due DATE
 - f. **Pathology 2-Metabolic and Endocrine** due DATE
7. **Physio U:** Students will complete the simulation and must receive an 80% or higher to pass that section's assignment. ALL assignments must be completed and turned in with at least an 80% pass rate to pass this course. Students will submit their scorecard report for each assignment through the link provided. The due dates are 11:59 PM on Friday, the week indicated on the content calendar. See below for due dates:
- a. **Lines, Tubes, and Medical Equipment** due DATE
 - b. **Atrioventricular Heart Blocks** due DATE
 - c. **Lung Sounds** due DATE
 - d. **Burns** due DATE
 - e. **Lymphedema** due DATE
8. **Lecture Worksheets:** Some may be started and/or completed in class during individual and group breakout sessions as time allows. If completed in a group, each student still must submit their completed document individually to obtain credit.
- a. All Lecture worksheets are due by 11:59 PM on the Tuesday of the week indicated on the content calendar and are worth 5 points each.
 - i. Cardiac Rehab Worksheet: DATE
 - ii. Lab Values Worksheet: DATE
 - b. **Exception:** The final lecture worksheet assignment combines three chapters and will be worth a total of 15 points instead of 5.
9. **Cardiac Rehab Evidence Based Practice Group Assignment:**
- a. Power Point Presentation is due DATE.
 - b. Presentations will take place on DATE.
 - c. See Assignment link for rubric, instructions and group members.
10. **Pulmonary Rehab Treatment Plan Individual Assignment:**
- a. Due DATE by TIME.
 - b. See Assignment link for the grading rubric and instructions.
11. **Simulation Center Reflection Assignment and Discussion board:**
- a. Initial response to questions due DATE.
 - b. Responses to at least 2 other students due DATE.