HORRY GEORGETOWN TECHNICAL COLLEGE

INSTRUCTIONAL PACKAGE

PTH 202

Physical Therapy Modalities

Effective Term
Spring/2019

INSTRUCTIONAL PACKAGE

PART I: COURSE INFORMATION

Effective Term: 201820
COURSE PREFIX: PTH 202 COURSE TITLE: Physical Therapy Modalities
Lecture Hours: 3/week Lab Hours: 3/week
CONTACT HOURS: 6/week CREDIT HOURS: 4

RATIONALE FOR THE COURSE: This course introduces clinical reasoning and steps to patient management, documentation and clinical decision making with regard to the utilization of physical agents in patient care.

COURSE DESCRIPTION
This course introduces patient care techniques, including patient preparation and therapeutic hot/cold modalities. This course introduces patient care techniques, including patient preparation and ultrasound, hydrotherapy, traction, compression, electrotherapeutics, diathermy, and soft tissue mobilization.

PREREQUISITES/CO-REQUISITES:
A grade of C or higher in all previous PTH courses.

REQUIRED MATERIALS:

- *Physical Agents Theory and Practice*, Barbara Behrens, 2012 F.A. Davis
- The Rehabilitation Specialist's Handbook, Serge H Roy, Steve Wolf, and David Scalzitti, 2012 F.A. Davis
- Principles & Techniques of Patient Care, Sheryl L. Fairchild, 2013 Elsevier
- 2x2 4 pack of fabric electro pads and 4 packs of iontophoresis pads
- Solid color scrubs
-

Please visit the Bookstore online site for most current textbook information. Use the direct link below to find textbooks.

BOOKSTORE

Enter the semester, course prefix, number and section when prompted and you will be linked to the correct textbook.

ADDITIONAL REQUIREMENTS:
None

TECHNICAL REQUIREMENTS:
Access to Desire2Learn (D2L), HGTC's student portal for course materials.
WaveNet and D2L email access.
Laptop or Tablet

STUDENT IDENTIFICATION VERIFICATION
Students enrolled in online courses will be required to participate in a minimum of one (1) proctored assignment and/or one (1) virtual event to support student identification verification. Please refer to your Instructor Information Sheet for information regarding this requirement.

CLASSROOM ETIQUETTE:
As a matter of courtesy to other students and your professor, please turn off cell phones and other communication/entertainment devices before class begins. If you are monitoring for an emergency, please notify your professor prior to class and switch cell phone ringers to vibrate.

Part II: Student Learning Outcomes

After successful completing the Horry-Georgetown Technical College Physical Therapist Assistant Program the graduate will be able to achieve the program learning outcomes. The student is advised to view the program learning outcomes in the student clinical handbook. Reviewing the outcomes will assist the student in understanding how the terminal course objectives achieve the program learning outcomes.

Use the direct link below to find the student clinical handbook.
Handbook

COURSE LEARNING OUTCOMES and ASSESSMENTS:
After successful completion of this course, the student will be able to meet the following terminal behavior outcomes that relate to each of the following physical agents and electrical modalities:

- Biofeedback therapy (e.g., relaxation techniques, muscle reeducation, EMG)
- Electrical stimulation therapy (e.g., Iontophoresis, electrical muscle stimulation (EMS), TENS, functional electrical stimulation (FES))
- Cryotherapy procedures (e.g., cold pack, ice massage, vapocoolant spray, contrast baths)
- Ultrasound and Phonophoresis
- Diathermy
- Thermotherapy (hot pack, paraffin)
- Intermittent pneumatic compression
- Mechanical spinal traction

1. Review the medical and physical therapy documentation for a patient scenario and accurately explain the purpose and physiological effects, indications, precautions and contraindications of physical therapy interventions.
2. Select, implement, and modify treatment for a patient scenario within the parameters of the physical therapist plan of care.
3. Proficient in teaching a home exercise or self-care program interventions and prevention strategies within the parameters of the physical therapist plan of care.

4. Review physical therapist plan of care for a patient scenario and perform appropriate data collection to assist the physical therapist in monitoring the effects of the intervention on a mock patient from a case scenario.
5. Document a treatment accurately in SOAP note format for a patient scenario, including specific treatment parameters, application techniques, and treatment outcomes with correct billing for reimbursement.
6. Acknowledge when the supervising physical therapist should be informed of a patient status change and when the need for clarification or assistance is needed to perform interventions or data collection.
7. Acknowledge the scope of practice of a PTA in both legal and ethical dimensions; demonstrate professional behaviors by behaving honestly, tactfully, dependably, enthusiastically, cooperatively and industriously.
8. Comply with safety and risk management strategies for self, patient, and facility.

STUDENT UNIT LEARNING OUTCOMES PER MODULE

Lecture & Lab Objectives: After successful completion of the classroom activity, the student will be able to meet the following instructional objectives:

*Modules can change per desecration of the instructor
*Students – please refer to the Instructor's Course Information sheet for specific information on assessments and due dates.

Module #1
Lecture
Material (s) Covered:
-Physical Agents Chapter 1-3 & 17
Assessment(s):
-Homework
1) Read and comprehend peer review article about a physical therapy physical agent, accurately summarize the information in writing, and correctly teach the information to other physical therapist assistant students.
2) Accurately explain the role of physical agents in rehabilitation to assist in healing.
3) Correctly explain the physiological process and phases of tissue healing (inflammation, proliferation, and maturation).
4) Describe the difference between the physiological process in acute and chronic inflammation.
5) Explain the formation of edema and explain the impact of edema on tissues.
6) Explain the cause of the pain-spasm cycle.
7) Differentiate acute, chronic and referred pain.
8) Discuss the peripheral and central mechanisms of nociception and pain transmission.
9) Explain current theories of pain control.
10) Explain the use of physical agents for controlling pain.
11) Provide the rationale for monitoring vital signs to assess pain.
Lab
Materials Covered: Physical Agents Chapter 1-3, lab handout and assigned article posted in D2L
Assessment(s):
-Documentation
1) Review the mock physical therapist evaluation and correctly identify the sensory or pain impairments

according to the evaluation.
2) Demonstrate appropriate superficial, deep, and combined assessment techniques following a demonstration by the instructor.
3) In a mock patient scenario accurately demonstrate appropriate pain assessment techniques to assist the physical therapist in monitoring the effects of treatment.
4) In a mock patient scenario, select the most appropriate sensory and or pain assessment techniques to meet the goals set by the PT within the parameters of the plan of care.
5) In a mock patient scenario, accurately document sensory and pain assessment accurately in SOAP note format, including specific treatment parameters, application techniques, and treatment outcomes.
6) In a mock patient scenario, complete a pain assessment while utilizing active listening skills in a patient lab case scenario.

Module #2

Lecture
Material (s) Covered:
-Physical Agents Chapter 4
Assessment(s):
- Homework
1) Accurately explain the purpose of cold & superficial thermal physical agents.
2) Accurately explain the physiological effects of cold & superficial thermal physical agents.
3) Correctly identify indications, contraindications, and precautions of cold & superficial thermal physical agents.
4) Acknowledge how a rehab aid could assist a physical therapist or physical therapist assistant with the application of superficial modalities.
Lab
Materials Covered: Physical Agents Chapter 4
Assessment(s):
- Documentation
1) Review a mock physical therapist evaluation and select the most appropriate cold & superficial thermal physical agent's techniques to meet the goals set by the PT within the parameters of the plan of care.
2) Prepare a mock patient and safely perform the most appropriate cold & superficial thermal physical agents as outlined in a plan of care.
3) Demonstrate appropriate assessment techniques to assist the physical therapist in monitoring the effects of cold & superficial thermal physical agents.
4) Educate a mock patient in safe and effective home use of cold & superficial thermal physical agents.
5) Document treatments accurately in SOAP note format, including specific treatment parameters, application techniques, and treatment outcomes for cold & superficial thermal physical agents.
6) Appropriately respond to a peer's privacy by performing appropriate draping during application of the modality in the lab scenario.

Module #3

Lecture
Materials Covered (s):
-Physical Agents Chapter 5
Assessment(s):
-Test #1 (Module 1&2)
-Homework

1) Accurately explain the purpose of ultrasound and phonophoresis.
2) Accurately explain the physiological effects of ultrasound and phonophoresis.
3) Correctly identify indications, contraindications, and precautions of ultrasound and phonophoresis.
Lab
Material (s) Covered:
-Physical Agents Chapter 5
Assessment(s):
*Skills Check cold & thermal & pain and sensory assessment
-Documentation
1) Review a mock physical therapist evaluation and select the most appropriate ultrasound and phonophoresis technique to meet the goals set by the PT within the parameters of the plan of care.
2) Prepare a mock patient and safely perform the most appropriate ultrasound and phonophoresis as outlined in a plan of care.
3) Demonstrate appropriate assessment techniques to assist the physical therapist in monitoring the effects of ultrasound and phonophoresis.
4) Document treatments accurately in SOAP note format, including specific treatment parameters, application techniques, and treatment outcomes for ultrasound and phonophoresis.

Module #4
Lecture
Material(s) Covered:
-Physical Agents Chapter 7
Assessment(s):
-Homework
1) Accurately explain the purpose of mechanical spinal traction.
2) Accurately explain the physiological effects of mechanical spinal traction.
3) Correctly identify indications, contraindications, physiological effects and precautions of mechanical spinal traction.
Lab
Material(s) Covered:
-Physical Agents Chapter 7
Assessment(s):
-Skill Check Ultrasound
-Documentation
1) Review a mock physical therapist evaluation and select the most appropriate mechanical spinal traction technique to meet the goals set by the PT within the parameters of the plan of care.
2) Prepare a mock patient and safely perform appropriate mechanical spinal traction as outlined in a plan of care.
3) Demonstrate appropriate assessment techniques to assist the physical therapist in monitoring the effects of mechanical spinal traction.
4) Educate a mock patient in safe and effective home use of mechanical spinal traction.
5) Document treatments accurately in SOAP note format, including specific treatment parameters, application techniques, and treatment outcomes for mechanical spinal traction.

Module #5
Lecture
Material(s) Covered:
-Physical Agents Chapter 10 & 8

Assessment(s):
-Test 2 (US & tractionaction)
-Homework
1) Accurately explain the purpose of diathermy and laser.
2) Accurately explain the physiological effects of diathermy and laser.
3) Correctly identify indications, contraindications, physiological effects and precautions of diathermy and laser.
4) Accurately explain the purpose of intermittent pneumatic compression.
5) Accurately explain the physiological of effects intermittent pneumatic compression.
6) Correctly identify indications, contraindications, physiological effects and precautions of intermittent pneumatic compression.
Lab
Material (s) Covered:
-Physical Agents Chapter 10 & 8
Assessment(s):
-Skill Check Traction
-Documentation
1) Review a mock physical therapist evaluation and select the most appropriate type of diathermy and laser to meet the goals set by the PT within the parameters of the plan of care.
2) Prepare a mock patient and safely perform appropriate diathermy and laser therapy as outlined in a plan of care.
3) Demonstrate appropriate assessment techniques to assist the physical therapist in monitoring the effects of diathermy and laser therapy.
4) Document treatments accurately in SOAP note format, including specific treatment parameters, application techniques, and treatment outcomes for diathermy and laser.
5) Review a mock physical therapist evaluation and select the most appropriate intermittent pneumatic compression technique to meet the goals set by the PT within the parameters of the plan of care.
6) Prepare a mock patient and safely perform appropriate intermittent pneumatic compression as outlined in a plan of care.
7) Demonstrate appropriate assessment techniques to assist the physical therapist in monitoring the effects of intermittent pneumatic compression. I.e. Girth measurements and volumetric.
8) Educate a mock patient in safe and effective home use of intermittent pneumatic compression.
9) Document treatments accurately in SOAP note format, including specific treatment parameters, application techniques, and treatment outcomes for intermittent pneumatic compression.
10) Seek input from a peer or instructor on how to improve their explanation of the purpose and physiological effects of a modality to a peer in a lab case scenario.

Module #6
Material (s) Covered:
-Review/makeup lecture
Assessment(s):
-Test 3 (diathermy, laser, girth measurements, volumetric and intermittent pneumatic compression)

Module #7, 8 & 9
Lecture
Material(s) Covered:
-Physical Agents Chapter 11-16
Assessment(s):

-Homework Week 7 & 8,
-Test 4 (Electrical Stimulation) end of week 9
1) Accurately explain the purpose of electrical stimulation therapy.
2) Accurately explain the physiological effects of stimulation therapy.
3) Correctly identify indications, contraindications, physiological effects and precautions of electrical stimulation therapy.
Lab
Material(s) Covered:
-Physical Agents Chapter 11-16
Assessment(s):
-Documentation Week 7 & 8
-Skills Checks laser, diathermy, volumetric, girth measurements and intermittent pneumatic compression Week 8
-Skills Check Estim end of week 9
1) Review a mock physical therapy evaluation and select the most appropriate electrical stimulation therapy to meet the goals set by the PT within the parameters of the plan of care.
2) Prepare a mock patient and safely perform appropriate electrical stimulation therapy (Iontophoresis, Neuromuscular Electrical Stimulation, Interferential Current, Transcutaneous Electrical Stimulation) as outlined in a plan of care.
3) Demonstrate appropriate assessment techniques to assist the physical therapist in monitoring the effects of electrical stimulation therapy.
4) Educate patients in safe and effective home use of electrical stimulation therapy.
5) Document treatments accurately in SOAP note format, including specific treatment parameters, application techniques, and treatment outcomes for electrical stimulation therapy.

Module #10
Lecture and Lab
Materials Covered:
-Modalities for Therapeutic Intervention Contemporary Perspectives in Rehabilitation pages 297-299 available at HGTC Library ebook
Assessment(s):
-NA
1) Accurately explain the purpose of biofeedback therapy.
2) Accurately explain the physiological of effects biofeedback therapy.
3) Correctly identify indications, contraindications, physiological effects and precautions of biofeedback therapy.
4) Review a mock physical therapy evaluation and select the most appropriate biofeedback therapy to meet the goals set by the PT within the parameters of the plan of care.
5) Prepare a mock patient and safely perform appropriate biofeedback therapy as outlined in a plan of care.
6) Demonstrate appropriate assessment techniques to assist the physical therapist in monitoring the effects of biofeedback therapy.
7) Educate patients in safe and effective home use of biofeedback therapy.
8) Document treatments accurately in SOAP note format, including specific treatment parameters, application techniques, and treatment.
9) Accurately define massage or soft tissue mobilization techniques and name the utilization of these techniques for therapeutic benefit.
10) Accurately define the effects and indications and contraindications to massage or soft tissue

mobilization techniques.
11) Prepare a mock patient and employ massage or soft tissue mobilization techniques accurately to decrease edema, muscle spasm, and pain, following a demonstration by the instructor.
12) Accurately perform superficial and deep massage or soft tissue mobilization techniques with appropriate intensity and duration to achieve established physical therapy plan of care goals following demonstration by the instructor.

Module # 11
Assessment(s):
-Final Comprehensive Exam
Assessment(s):
-Laboratory Practical Examination

***Students – please refer to the Instructor's Course Information sheet for specific information on assessments and due dates.**

PART III: GRADING AND ASSESSMENT

EVALUATION OF REQUIRED COURSE MEASURES/ARTIFACTS*
****Students, for the specific number and type of evaluations, please refer to the Instructor's Course Information Sheet.***
Students' performance will be assessed and the weight associated with the various measures/artifacts are listed below.

Grade	Weighted.
Lecture Tests	60%
Comprehensive Final	20%
Homework	2.5%
Quizzes	2.5%
Documentation	5%
Skill Check Assessments	2%
Laboratory Practical Examinations	8%
	100%

GRADING SYSTEM:
A= 90%-100%
B= 80%-89%
C= 75%-79%
D= 69%-74%
F= below 68%

Grades earned in courses impact academic progression and financial aid status. Before

withdrawing from a course, be sure to talk with your instructor and financial aid counselor about the implications of that course of action. Ds, Fs, Ws, WFs and Is also negatively impact academic progression and financial aid status.

The Add/Drop Period is the first 5 days of the semester for **full term** classes. Add/Drop periods are shorter for accelerated format courses. Please refer to the academic calendar for deadlines for add/drop (ACADEMIC CALENDAR). You must attend at least one meeting of all of your classes during that period. If you do not, you will be dropped from the course(s) and your Financial Aid will be reduced accordingly.

Part IV: Attendance

Horry-Georgetown Technical College maintains a general attendance policy requiring students to be present for a minimum of eighty percent (80%) of his or her classes in order to be eligible to receive credit for any course. However, due to the varied nature of courses taught at the College, a more rigid attendance policy may be required by individual instructors. At a minimum, a student may be withdrawn from a course(s) after he or she has been absent in excess of ten percent (10%) of the total contact hours for a course. **Instructors define absentee limits for their class at the beginning of each term; please refer to the Instructor Course Information Sheet.**

For online and hybrid courses, check your Instructor's Course Information Sheet for any required on-site meeting times. Please note, instructors may require tests to be taken at approved testing sites, if you use a testing center other than those provided by HGTC, the center may charge a fee for its services.

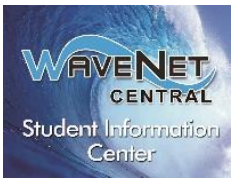
Part V: Student Resources

The Student Success and Tutoring Center (SSTC)

The SSTC offers to all students the following **free** resources:

1. **Academic coaches** for most subject areas, **Writing Center Support**, and **college success skills.**
2. **On-line student success and academic support resources.**

Visit the SSTC website: Student Success & Tutoring Center and visit the student services tab in your WaveNet account to schedule appointments using TutorTrac. For more information, call: SSTC Conway, 349-7872; SSTC Grand Strand, 477-2113; and SSTC Georgetown, 520-1455. Room locations and Live Chat is available on the SSTC website.



Student Information Center: WaveNet Central (WNC)

WNC offers to all students the following **free** resources:

1. **Getting around HGTC**: General information and guidance for enrollment!
2. Use the **Online Resource Center (ORC)** for COMPASS support, technology education, and online tools.
3. **Drop-in technology support or scheduled training** in the Center or in class.
4. **In-person workshops, online tutorials and more services** are available.

Visit the WNC website: Wavenet Central. Live Chat and Center locations are posted on the website. Or please call one of the following locations: WNC Conway, 349-5182; WNC Grand Strand, 477-2076; and WNC Georgetown, 520-1473.

Student Testing: (If course is offered in multiple format include this section, delete if only F2F sections are offered.)

Testing in an **online/hybrid** course may be accomplished in a variety of ways:

- Test administered within D2L
- Test administered in writing on paper
- Test administered through Publisher Platforms

Further more tests may have time limits and/or require a proctor.

Proctoring can be accomplished either face-to-face at an approved site or online through RPNow, our online proctoring service. To find out more about proctoring services, please visit the Online Testing section of the HGTC's Testing Center webpage.

The **Instructor Information Sheet** will have more details on test requirements for your course.

Disability Services

HGTC is committed to providing an accessible environment for students with disabilities. Inquiries may be directed to Jocelyn Williams, Director of Student Development on the Conway Campus Jaime Davis, Counselor/Advisor on the Georgetown Campus or Kristin Griffin, Counselor on the Grand Strand Campus. These individuals will review documentation of the student's disability and, in a confidential setting with the student, develop an educational accommodation plan.

Note: It is the student's responsibility to self-identify as needing accommodations and to provide acceptable documentation. After a student has self-identified and submitted

documentation of a disability, accommodations may be determined, accepted, and provided.

Statement of Equal Opportunity/Non-Discrimination Statement

Horry Georgetown Technical College prohibits discrimination and harassment, including sexual harassment and abuse, on the basis of race, color, gender, national or ethnic origin, age, religion, disability, marital status, veteran status, sexual orientation, gender identity, or pregnancy in educational programs and/or activities.

Title IX Requirements

Horry Georgetown Technical College prohibits the offenses of domestic violence, dating violence, sexual assault, and stalking. Any student who believe he or she has experienced or witnessed discrimination including sexual harassment, domestic violence, dating violence, sexual assault or stalking is encouraged to report such incidents to one of the College's Title IX Coordinators.

> *Faculty and Staff are required to report incidents to the Title IX Coordinators when involving students. The only HGTC employees exempt from mandatory reporting are licensed mental health professionals (only as part of their job description such as counseling services).

Inquiries regarding the non-discrimination policies:	
Student and prospective student inquiries concerning Section 504, Title II, and Title IX and their application to the College or any student decision may be directed to the Associate Vice President for Student Affairs.	Employee and applicant inquiries concerning Section 504, Title II, and Title IX and their application to the College may be directed to the Associate Vice President for Human Resources.
Dr. Melissa Batten, AVP Student Affairs *Title IX Coordinator* Building 1100, Room 107A, Conway Campus PO Box 261966, Conway, SC 29528-6066 843-349-5228 Melissa.Batten@hgtc.edu	**Jacquelyne Snyder, AVP Human Resources** *Section 504, Title II, and Title IX Coordinator* Building 200, Room 212A, Conway Campus PO Box 261966, Conway, SC 29528-6066 843-349-5212 Jacquelyne.Snyder@hgtc.edu

INSTRUCTOR'S COURSE INFORMATION SHEET

PART I: INSTRUCTOR INFORMATION

Instructor Name:	*Dr. Tammy Marcin PT, DPT, MBA, EdD*
Campus Phone Number:	*477-2067*
College Email Address:	Tammy.Marcin@HGTC.edu
Office Location:	*1282J*
Office Hours/Availability:	*Posted in D2L Course Home Page and Wavenet*

Part II: Course Schedule and Assessments

Dates:	**Schedule is subject to change
Week 1 & 2	Lecture – Module 1 Materials Covered: Physical Agents Chapter 1-3 & 17 Assessment(s): • Homework #1 -Physical Agents chapters 1-3 end of chapter questions uploaded into drop box D2L Wednesday second week @ 8 am • Quiz #1 Endocrine Review Wednesday second week Lab – Module 1 Materials Covered: Physical Agents Chapter 1-3 & 17, lab handout and assigned article posted in D2L under module 1 Assessment(s): • NA
Week 3	Lecture – Module 2 Materials Covered: Physical Agents Chapter 4 Assessment(s): • Homework #2 -Physical Agents Chapter 4 end of chapter questions uploaded into dropbox D2L Monday 8 am • Quiz #2 Immune System Review Wednesday Lab – Module 2 Materials Covered: Physical Agents Chapter 4 and lab handout Assessment(s): • Documentation assignment #1 assigned in the lab and is due the following Monday at 8 am in Trajecys. Rubric will be provided on D2L
Week 4	Lecture- Module 3 Materials Covered: Physical Agents Chapter 5 Ultrasound and Phonophoresis Assessment(s): • Test #1 (Module 1&2) Wednesday • Homework #3- Physical Agents Chapter 5 end of chapter questions uploaded into dropbox D2L Monday 8 am • Homework #4 Create an algorithm for Ultrasound settings in a word document and upload the documents in D2L drop box due Monday at 8 am • Quiz #3 Oncology Review Wednesday Lab - Module 3 Materials Covered: Physical Agents Chapter 5

	Assessment(s): • Skills Check -cold & thermal & pain and sensory assessment Wednesday in lab • Documentation assignment #2 assigned in the lab and is due the following Monday at 8 am in Trajecys. Rubric will be provided on D2L
Week 5	Lecture – Module 4 Materials Covered: Physical Agents Chapter 7- Traction Assessment(s): • Homework #5 - Physical Agents Chapter 7 end of chapter questions uploaded into dropbox D2L Monday 8 am • Homework #6 Create an algorithm for traction settings in a word document and upload the documents in D2L drop box due Monday at 8 am Lab – Module 4 Materials Covered: Physical Agents Chapter 7 Assessment(s): • Skill Check Ultrasound due Wednesday in lab • Documentation assignment #3 assigned in the lab and is due the following Monday at 8 am in Trajecys. Rubric will be provided on D2L
Week 6	Lecture- Modules 5 & 6 Materials Covered: Physical Agents Chapter 10 & 8 – Compression, Diathermy, and Laser Assessment(s): • Homework #7 - Algorithm for mechanical compression upper extremity and lower extremity and diathermy in a word document and upload the documents in D2L dropbox Monday 8 am • Quiz #4 Integumentary Review Wednesday Lab - Modules 5 & 6 Materials Covered Physical Agents Chapter 10 & 8 Assessment(s): • Skills Check Traction Wednesday • Documentation assignment # 4 assigned in the lab and is due the following Monday at 8 am in Trajecys. Rubric will be provided on D2L
Week 7	Lecture- Modules 7-9 Materials Covered: Physical Agents Chapter 11-16 – Estim (TENS) Assessment(s): • Test 2 (US, traction, compression, diathermy, and laser) Wednesday • Homework # 8 Due: Complete the parameters on the estim parameters TENS on the document located in the HW 8 drop box and upload this document in D2L Monday 8 AM Lab - Modules 7-9 Materials Covered: Physical Agents Chapter 11-16 Assessment(s): • Documentation assignment #5 assigned in the lab and is due the following Monday at 8 am in Trajecys. Rubric will be provided on D2L
Week 8	Lecture - Modules 7-9 Materials Covered: Physical Agents Chapter 11-16 Estim (IFC, NMES, HVPC) Assessment(s): • Homework # 9 - Complete the estim parameter document for IFC, NMES & HVPC on the document located in the HW 9 dropbox and upload this document in D2L

	Monday 8 AM • Quiz #5 The Renal and Urological Systems Wednesday Lab - Modules 7-9 Materials Covered: Physical Agents Chapter 11-16 Assessment(s): • Documentation assignment # 6 assigned in the lab and is due the following Monday at 8 am in Trajecys. Rubric will be provided on D2L • Skills Checks diathermy, laser, volumetric, girth measurements, and intermittent pneumatic compression
Week 9	Lecture - Modules 7-9 Materials Covered: Physical Agents Chapter 11-16 Estim (Ionto) Assessment(s): • Test 3 (Electrical Stimulation) Wednesday • Homework # 10: Complete the estim parameter document for Ionto on the document located in the HW 10 dropbox and upload this document in D2L. Due Monday 8 am Lab - Modules 7-9 Materials Covered: Physical Agents Chapter 11-16 Assessment(s): • Documentation assignment #7 assigned in the lab and is due the following Monday at 8 am in Trajecys. Rubric will be provided on D2L • Skills Checks Estim in lab Wednesday (IFC, NMES & TENS) Lecture and Lab – Biofeedback Module 10 Materials Covered: Modalities for Therapeutic Intervention Contemporary Perspectives in Rehabilitation pages 297-299 available at HGTC Library Assessment: • Homework # 11 Due Monday 8 am - Upload an algorithm for biofeedback in D2L Drop Box
Week 10	Lecture - Module NA • Review /makeup Lab – Module NA Materials Covered: Assessment(s): • Skill Check Biofeedback and Ionto in lab Wednesday
Week 11	• Comprehensive Final Day TBA • Laboratory Practical Examination Day TBA

Makeup Assignments (Examinations, Skill Check Assessments, Homework)

- Examinations: Per the instructor's discretion, a missed examination may be made up with a deduction of 10% of the total score.
- Skill Check Assessments: If not performed on the scheduled day per the course schedule, a maximum score of 7.5 points will be given on the first attempted performance.
- Late assignments (i.e. Homework): Per the instructor's discretion, the assignment will

have a deduction of 50% of the achieved score and no more than two late assignments may be accepted.

**The instructor reserves the right for discretion on the above policy on a case by case basis.

Bonus

Per the instructor's discretion, if bonus is awarded for any assignment, no more than 5% of the total grade will be applied**The instructor reserves the right for discretion on the above policy on a case by case basis

Grade ***Total points or weighted percentages for any of the grading criteria can be adjusted per instructors desecration**	**Total Points for Item** *All items in each category are evenly weighted	**Weighted % of Grade**
Lecture Test: The student will complete computerized tests. The questions will be predominantly multiple-choice, with a few short answer problems assessing your knowledge of the unit objectives.	Test 1= 100 Test 2 = 100 Test 3 = 100	60%
Comprehensive Final: The student will complete one computerized test. The test questions will be predominantly multiple-choice, with a few short answer problems assessing your knowledge of the unit objectives and course learning outcomes.	Final =100	20%
Homework Assignments: The purpose of homework is to perform critical thinking and application of the material covered in lecture and lab. Homework due dates are posted in the D2L Dropbox for each assignment.	HW #1= 10 points HW #2= 10 points HW #3= 10 points HW #4= 10 points HW #5= 10 points HW #6= 10 points HW #7= 10 points HW #8= 10 points HW #9= 10 points HW #10= 10 points HW #11= 10 points	2.5%
Quizzes The purpose of the quiz is to perform critical thinking and application of the material covered to body systems in lecture and lab. Quiz due dates are posted in the course schedule.	Quiz #1= 10 points Quiz #2= 10 points Quiz #3= 10 points Quiz #4= 10 points Quiz #5= 10 points	2.5%
Documentation: Documentation assignments (approx. 7) will be assigned in the lab and the student will complete the assignment in Trajecys. See the Course Schedule for the due date. The grading rubric for each assignment will be provided in lab.	Documentation 1 = 13 points Documentation 2 = 13 points Documentation 3 = 13 points Documentation 4 = 13 points Documentation 5 = 13 points Documentation 6 = 13 points Documentation 7 = 13 points	5%
Skill Check Assessment: The purpose of the skill check is for the instructor to provide you formative feedback on	Each skill check assignment is weighted equally and are 2%	2%

your skills development.
 	
The skill check assessment rubrics are uploaded on D2L under content. Intervention or data collection skill check assessment is performed at the end of each lab unit after the instructor has provided the student with didactic material, demonstration, and hands-on application. The student is required to complete each skill check assessment for this course before the lab practical examination. The skill check assessment associated with the lab practical examination may be attempted up until two instructor working days to the date of the scheduled lab practical examination or a designated date by the instructor. Failure to complete a skill check assessment will not allow the student to complete the laboratory practical examination, which will result in failure of the course.
**The number of skill assessments can vary per instructor discretion.
	of the overall grade. For each skill check assessment, the student will receive 10 points for first-time pass, 7 points if passed a second time and 0 points if passed after two attempts.
	• Sensation Testing
	• Pain Assessments
	• Cryotherapy
	• Hot pack
	• Paraffin
	• Ultrasound
	• JOBST Compression Pump
	• Girth Measurements and Volumetric
	• Diathermy
	• Laser
	• Mechanical Traction
	  ○ Cervical traction
	  ○ Lumbar traction
	• Electrical stimulation therapy
	  ○ Neuromuscular Electrical Stimulation
	  ○ Interferential Current
	  ○ Transcutaneous Electrical Stimulation
	  ○ Ionto
	• Biofeedback	

<u>Lab Practical Examination</u> Comp: The student will complete a laboratory practical examination competency that will assess their ability of adding the physical agents learned this term to a physical therapy treatment plan. The purpose of this assessment is for the instructor to provide summative feedback on student skill development. The laboratory practical examination grading rubrics are uploaded on D2L under content one week before the scheduled comp. A minimum of 75% and all critical	Lab Practical Examination Comp = 100 points	8%

elements must be achieved to pass the laboratory practical examinations. Three attempts will be given for the competency. Repeat competency will be awarded a maximum of 75%. Students will only be allowed to try competency check off one time per day.		
Total Points		100%

PART III: COURSE POLICIES (FOR FACE TO FACE FORMAT)

Physical Therapist Assistant Program Classroom Attendance Policy:

An absence is defined as missing greater than 10 minutes of classroom time or leaving class early with more than 10 minutes remaining.

For a 15 week course (Fall and Spring) the allowed number of misses is as follows:
For MWF classes:
9 absences are allowed for lecture and 9 absences from lab, regardless of the reason.
For MW classes:
6 absences are allowed for lecture and 6 absences from lab, regardless of the reason
For TTh classes:
6 absences are allowed for lecture and 6 absences from lab, regardless of the reason
For Classes meeting once a week for lecture:
3 absences are allowed for lecture and 3 absences from lab, regardless of the reason.

For a 10 week course (Fall and Spring) the allowed number of misses is as follows:
For MWF classes:
6 absences are allowed for lecture and 6 absences from lab, regardless of the reason.
For MW classes:
4 absences are allowed for lecture and 4 absences from lab, regardless of the reason
For TTh classes:
4 absences are allowed for lecture and 4 absences from lab, regardless of the reason
For Classes meeting once a week for lecture:
2 absences are allowed for lecture and 2 absences from lab, regardless of the reason.

For a 6 week course the allowed number of misses is as follows:
MTWTH
4 absences for lecture and 4 absences from lab are allowed, regardless of the reason.
MW or TTH
2 absences for lecture and 2 absences from lab are allowed, regardless of the reason

TARDY POLICY:
Students are expected to be on time for class and to stay for the entire session.
A tardy is defined as missing up to 10 minutes of classroom time.

Three tardy will be counted as one class absence.

MAKE-UP TEST POLICY:
See section: EVALUATION OF REQUIRED COURSE ASSIGNMENTS
Makeup Assignments (Examinations, Skill Check Assessments, Laboratory Practical Competency Examinations, Homework and Documentation)

REQUIRED ON-SITE MEETINGS:
Students if you choose to take your test(s) at a site other than an HGTC Testing Center, the center may charge you a fee. Please ask the center about any testing fees before you register to take your exam. These fees will be payable to the center providing the service, not HGTC.