COURSE SYLLABUS

PTH 233a

PHYSICAL AGENTS II THEORY

2 credit hours / 2 contact hours lecture

INSTRUCTOR:
Julie Davis, PT
CASA 114B
618-453-3618
jfrman@siu.edu

OFFICE HOURS:
M/W 10:00 am - 11:00 am
Friday 10:00 am – 2:00 pm
or by appointment

CLASS SCHEDULE:
Lecture: Mon & Wed 12:00-12:50 pm
ASA 064

PREREQUISITES:
PTH 107, 207, 123A & B
Restricted to Major
Co-Requisite 233B.
Minimum grade of C is prerequisite to PTH 234, 321A & B, 322

TEXTBOOK:

COURSE CATALOG DESCRIPTION:

Students will understand and describe the physiological effects, indications and contraindications for electrotherapy, traction, and intermittent compression. Students will also explain the different theories and mechanics of pain.
COURSE OBJECTIVES:

Upon successful completion of this course, the student shall be able to successfully demonstrate the following knowledge as measured by written examination.

1. Describe how neurotransmission occurs at the cellular level.

2. Describe the physiology of pain.

3. Describe the basic principles of electricity.

4. Describe proper preparation the patient for treatment, including appropriate and comfortable positioning, proper draping, assessment of skin sensation and circulation and adequate explanation.

5. Determine the safe and correct application of the physical agent by describing the:
   a. manipulation of all controls and switches.
   b. varying of the dosage according to patient tolerance, appropriate to the physical agent and the patient’s condition and treatment goals.
   c. safety and comfort rules.
   d. time and intensity rules.
   e. appropriate action to take to objective and/or subjective patient responses to the applied physical agent.

6. Determine the need for modification of physical agent treatment by describing:
   a. changes in patient’s physical status, mental status and tolerance to treatment.
   b. deviations from anticipated rate of progress.
   c. objective indications of patient tolerance to treatment.
   d. all physiological, biomechanical, and psychological secondary effects of treatment.
   e. responses to treatment.

7. Determine the appropriate modification of ongoing physical agent treatment by:
   a. identifying whether appropriate modifications are within the limits specified in the treatment plan.
   b. written and verbal communication with the therapist regarding modification and reason behind treatment modification.

8. Describe the procedure used to administer standardized pain assessments.

9. The student will demonstrate an awareness of social responsibility, citizenship and advocacy.
<table>
<thead>
<tr>
<th>WEEK</th>
<th>LECTURE</th>
<th>READING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction/Syllabus</td>
<td></td>
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<tr>
<td></td>
<td>Physical Agents</td>
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<td>2</td>
<td>Theories of Pain Control &amp; Pain Scales</td>
<td>Chapter 1-3</td>
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<tr>
<td></td>
<td>Inflammation and Healing</td>
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<tr>
<td>3</td>
<td><strong>Holiday</strong></td>
<td>Chapter 3</td>
</tr>
<tr>
<td>4-5</td>
<td>Principles of Electricity</td>
<td>Chapter 8</td>
</tr>
<tr>
<td>6</td>
<td>High Volt</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td><strong>TEST</strong></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>IFC/Pre-Mod</td>
<td></td>
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<tr>
<td>9</td>
<td><strong>Fall Break</strong></td>
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<tr>
<td>10</td>
<td>TBA</td>
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<tr>
<td>11</td>
<td>TENS</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td><strong>TEST</strong></td>
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<tr>
<td>13</td>
<td>Point Stimulation</td>
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<tr>
<td>14</td>
<td>Russian/FES/NMES</td>
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</tr>
<tr>
<td>15</td>
<td><strong>Holiday</strong></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Combo</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td><strong>Traction</strong></td>
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<tr>
<td>18</td>
<td>Compression</td>
<td></td>
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<tr>
<td></td>
<td><strong>TEST - Holiday</strong></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td><strong>Biofeedback/NCV</strong></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td><strong>TEST</strong></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Final Exam –Monday, December 12 at 12:30 pm</td>
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DESCRIPTION OF TEACHING METHODS AND LEARNING EXPERIENCES:

This course is taught in a lecture format. Students will be provided reading assignments for each lecture topic. Lectures may utilize power point presentations. Individual lecture outlines and additional information will be available to students on Desire2Learn.

STUDENT EVALUATION:

<table>
<thead>
<tr>
<th>Description</th>
<th>Points</th>
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<tbody>
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<td>Hourly Exams (4)</td>
<td>200</td>
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</tbody>
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**TOTAL 200 Points**

A – 200 – 186 points 100% - 93%
B – 185 – 170 points 92% - 85%
C – 169 – 152 points 84% - 76%

Any student scoring less than 76% or grade of C in all of the above will be required to repeat the course.

Class Participation
The student is expected to arrive to class on time, bring required materials and be prepared for subject matter. This includes reading all assigned material prior to class. This course must be taken concurrently with 233B. Therefore, failure to achieve a passing grade in either 233A or 233B will result in the requirement to repeat BOTH courses.

Tests (4)
Each hourly test is worth a total of 50 points. If a student is unable to take test during the assigned time, the instructor must be notified prior to the exam so that arrangements may be made. Any missed text must be made up by the next scheduled class period or a score of 0 will be received for that test.

Professional Behavior - The development of professional behaviors is essential to any aspiring health care professional. One realm of professional behavior lies in the expectation of the person to be punctual, prepared and present.

Student Grades/Confidentiality – No information regarding student grades or class progress will be communicated via telephone or email. All grades will be posted on Desire2Learn as soon as they are available. If you have questions regarding current course grades or course information, students must speak directly with the instructor. This may be possible either immediately before or after class, during office hours or by making an appointment to meet with the instructor.

Classroom Attendance Policy – This is a professional program. Attendance in class is expected, but is the responsibility of the student. Students should be prepared to participate in class at the designated start time for the course. Prepared means the student is seated in the class with all necessary classroom supplies available to them and assignments due that day are turned in to the instructor. The University Policy on
Accommodating Religious Students may be found in the 2015-2016 Undergraduate Catalog, p. 575.

**Academic Dishonesty** - Each student is responsible for making himself/herself aware of the policies and procedures in the Student Conduct Code that pertain to Acts of Academic Dishonesty. These policies cover such acts as plagiarism, preparing work for another student, cheating by any method or means, falsifying or manufacturing data, furnishing false information to a university official relative to academic matters, and solicitation, aiding, concealing, or attempting conduct in violation of this code. See the Morris Library Guide on Plagiarism (http://libguides.lib.siu.edu/plagiarism).

**Disruptive Behavior Policies** – As with any public forum, the classroom is a shared space where consideration and compassion for others are not negotiable. To learn the interpersonal and professional skills offered in the course requires that, as with a sport or any instrument, we practice them daily. A positive attitude, a willingness to listen and learn, and an embrace of differences as well as similarities…these are just a few of the dynamics we will strive to practice.

Sexual harassment, either verbal or physical, will not be tolerated in this class, this program, or at Southern Illinois University Carbondale. Students engaged in harassing behavior will be removed from the program immediately.

SIU contains people from all walks of life, from many different cultures and sub-cultures, and representing all strata of society, nationalities, ethnicities, lifestyles, and affiliations. Learning from and working with people who differ from you is an important part of your education in this class, as well as an essential preparation for your career.

**Electronic Devices**- The use of electronic devices, such as cell phones, will not be permitted in the classroom. All electronic devices should be TURNED OFF when entering the classroom. In the case of an emergency, persons may call the School of Allied Health office at (618) 453-7211 and a message will be delivered to the classroom.

**SIU Emergency Procedures** - Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the SIUC Emergency Response Plan and Building Emergency Response Team (BERT) program. Emergency response information is available on posters in buildings on campus and the Emergency Response Guideline pamphlet. It is also available on BERT'S website at http://www.bert.siu.edu/ and on the Department of Safety's website www.dps.siu.edu.

Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency. The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.
Supplementary Assistance – With the cooperation of SIU’s Disability Support Services (DSS), each student who qualifies for reasonable supplementary assistance has the right to receive it. Students requesting supplementary assistance must first register with DSS in Woody Hall B-150, (453-5738) or http://disabilityservices.siu.edu/.

Notice: If you have any type of special need(s) or disability for which you require accommodations to promote your learning in this class, please contact the instructor as soon as possible. The Office of Disability Support Services (DSS) offers various support services and can help you with special accommodations. You may wish to contact DSS at 453-5738 or go to Room 150 in Woody Hall to verify your eligibility and options for accommodations related to your special need(s) or disability.

Saluki Cares – The purpose of Saluki Cares is to develop, facilitate and coordinate a university-wide program of care and support for students in any type of distress—physical, emotional, financial, or personal. By working closely with faculty, staff, students and their families, SIU will continue to display a culture of care and demonstrate to our students and their families that they are an important part of the community. You may contact Saluki Cares at (618) 453-5714 or siucares@siu.edu.

SIU PTA course materials, including the course syllabus are not to be duplicated without consent of the SIU PTA Program.