Syllabus

Semester: Spring Year: 2015 Course Prefix and Number: PTHA 2201
Course Title: Essentials of Data Collection
Course Location and Meeting Time: Lecture B140: Tu 9:00 -10:00 Lab B139: Tu 10:30-2:30 (Includes an hour lunch break)
Credit Hours: 2 Contact Hours: 1 hour lecture/3 hours lab
Course Prerequisites: PTHA 1225; PTHA 1305; PTHA 1413
Course Corequisites: PTHA 1260; PTHA 1431; PTHA 2435
Course Description:
Data collection techniques used to prepare the physical therapist assistant to assist in patient/client management.

Faculty Contact Information:
Name of Instructor: Dr. Renee Pruitt, PT, MHA, DPT
Office Location: B120Q
Office Phone Number: 936.273.7470
Email Address: Renee.M.Pruitt@lonestar.edu

Course Materials and Supplies:
Course Textbooks:
Required Materials:
Recommended Materials:
Other Resource Materials:
Library resources, Physical Therapy (journal), Journal of Orthopedic and Sports Physical Therapy, PT Magazine, Lab video tapes, Internet sites, Other items on reserve in the library

NO LONGER ATTENDING CLASS DOES NOT CONSTITUTE WITHDRAWAL FROM THIS CLASS, NOR DOES A STUDENT’S NOTIFICATION TO THE INSTRUCTOR THAT THE STUDENT WISHES TO BE DROPPED. FAILURE OF A STUDENT TO FILL OUT A “SCHEDULE CHANGE FORM” TO OFFICIALLY DROP THIS CLASS MAY RESULT IN A GRADE OF “F.”

THE LAST DAY TO DROP THIS CLASS AND RECEIVE “W” IS April 2, 2015. AFTER THIS DATE, NO WITHDRAWALS WILL BE ISSUED.
Course Purpose:
This course is designed so that student physical therapist assistants (PTA’s) will learn to safely and effectively apply and interpret various assessment techniques. Students will be able to identify, discuss and explain normal ranges of value in addition to discussing values that fall outside the normal values. Students will be able to discuss the principles of validity and reliability as it applies to assessment methods.

Course Learning Outcomes:
1. Perform data collection techniques.
   **Objectives:**
   1.1 Describe specific data collection techniques used by the physical therapist and physical therapist assistant to monitor patient/client status to include:
   a. Sensory Response
   b. Arousal/Attention/Cognition
   c. ROM (Goniometry)
   d. Muscle Performance (MMT)
   e. Muscle Flexibility
   f. Special Tests
   g. Functional Assessments/Outcomes
   h. Posture
   i. Balance
   j. Coordination
   k. Gait
   l. Anthropometric Characteristics
   m. Integumentary Integrity
   1.2 Demonstrate competence in safe, effective, and efficient data collection techniques as listed above.

2. Identify changes in data collected.
   **Objectives:**
   2.1 Select and perform the correct data collection technique for the related directed intervention for a given case example.
   2.2 Compare the data collected between different techniques.
   2.3 Describe the effects of validity and reliability during utilization of data collection techniques.

   **Objectives:**
   3.1 Accurately record the results of data collection techniques.
   3.2 Identify indication/contraindication/precautions to data collection results.

4. Utilize relevant communication techniques.
   **Objectives:**
   4.1 Accurately communicate via SOAP note the results of data collection as it pertains to the Plan of Care.

Contraindications and Potential Hazards Associated with Procedures Applied in this Course
Within the course, students will be asked to apply and to receive various physical therapy treatment modalities. The list below is of contraindications and potential hazards which are associated with procedures applied in the course. The students are asked to provide informed consent to participate in the course and it is the student’s responsibility to inform the instructor of any contraindications or circumstances which may limit their full participation in these procedures both now and in the future.
Contraindications/Precautions:

- Skin Disorders
- Low Back Disorders
- Cardiac Conditions
- Respiratory Conditions

Methods of Instruction and Learning Experiences:
A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, and panels, conferencing, performances and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

Assessment of Learner Outcomes and Objectives:
Assessment methods include, but may not be limited to: written examinations, lab practicals, skill checklists, observation of skills and professional behavior, documentation assignments, evidence based journal club, research papers, oral presentations, PTA MACS, self-assessment surveys, and clinical educators rating.

Evaluation/Grading

Didactic Assessment
1) Written Exams (4 x 50) 200
2) Functional Outcome/Special Test Project 50

TOTAL 250

Grades:
- 90% - 100% A
- 80% - 89% B
- 75% - 79% C
- less than 75% F

The student must earn a 75% or better on lecture, and cumulative grades in order to pass the entire class.

Practical Assessment

Course practical document competency over a set of skills and cover critical safety elements, program critical elements and data collection and intervention skill specific elements.

The program provides a common outline for course practicals that include critical safety elements, critical program elements and data collection and intervention skill specific elements. At the beginning of the course, each student will receive a copy of this instrument.

A student is given 3 attempts to pass the course practical and, if unable to do so, the student will receive a no pass and be removed from the program and not allowed to progress to the next clinical rotation. If a 3rd attempt is necessary, two faculty members must grade a final 3rd attempt on any course practical.

Late Tests and Assignments
- The semester moves fast. If you have to miss class on the day of a test, you must notify the instructor before the test.
- No credit will be given for assigned work handed in after the due date.
- Exceptions may be made for serious illness/hospitalization or other tragedy. In these circumstances, written verification will be required and agreed to by the instructor.
Open Lab
You will be required to attend an “open lab” 2 hours EVERY week to practice lab skills. This will be facilitated by a lab coordinator. The coordinator is there to facilitate, NOT tutor. They are to help teach the students how to find the answers, either by asking another student in the study group, looking it up in the textbook or class/lab notes. The coordinator will organize study sessions outside of class time for the students to attend. You must attend these hours in order to be eligible to successfully complete the appropriate check offs prior to each lab exam. If the required hours are not attended, you will be unable to take the practical exam, and will therefore receive a 0 (zero) for that exam.

Service Learning
Each semester during the PTA program, the student will select a community/human services organization or activity in which to volunteer a minimum of 4-6 hours. This course has been selected by the PTA program to monitor and facilitate service learning for the Fall semester. Students will be expected to complete 4-6 hours of service learning and record a personal reflections within Angel.

Evidence Based Journal Club
Each semester during the PTA program, the students will participate in a journal club. This course has been selected by the PTA program to monitor and facilitate the evidence based journal club for the Fall semester.

Academic Integrity
The Lone Star College System upholds the core values of learning: honesty, respect, fairness, and accountability. The system promotes the importance of personal and academic honesty. The system embraces the belief that all learners – students, faculty, staff and administrators – will act with integrity and honesty and must produce their own work and give appropriate credit to the work of others. Fabrication of sources, cheating, or unauthorized collaboration is not permitted on any work submitted within the system. The consequences for academic dishonesty are determined by the professor, or the professor and academic dean, or the professor and chief student services officer and can include but are not limited to:

1. Having additional class requirements imposed,
2. Receiving a grade of zero or “F” for an exam or assignment,
3. Receiving a grade of “F” for the course,
4. Being withdrawn from the course or program,
5. Being expelled from the college system.

Professors should clearly document how the student’s actions violated the academic integrity policy, how a grade was calculated, and the actions taken.
(Lone Star College System 2014-2015 Catalog, Pg. 81)

In this course, any academic integrity violation, including plagiarism, will result in a zero (0) on that assignment.

Classroom Expectations
• While active participation in class activities is encouraged, behavior that is disruptive and interferes with the ability of others to benefit from the education will not be tolerated.
• Students displaying disruptive behavior in a class will be asked to leave that class.
• Repeated incidents of disruptive behavior will result in dismissal of the student from the program.
• Cell phones are to be turned to silent mode. Step out of the classroom if a call must be received or made. No cell phones may be turned on during testing.
• Lab coats and clinical attire may be required for lab practicals.
• The instructor has the option to fail a student after the student has accumulated absences of two or more classes. All absences should be explained to the instructor via phone or e-mail prior to the class meeting time.
• Travel to all off-campus instructional meeting locations will be on your own. You are expected to dress in business or program attire for all classes held off campus.
Children are not allowed in the classroom or lab. This is for the child’s safety due to the nature of the practical work which will be performed in the classroom and lab.

Children may not be left unattended in the college.

**Student Evaluations of Faculty**
Students are required to complete the course evaluations in MyLonestar by the 12th week of the course.

**ADA Statement**
LSCS is dedicated to providing the least restrictive learning environment for all students. LSCS promotes equity in academic access through the implementation of reasonable accommodations as required by The Vocational Rehabilitation Act of 1973, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act (as amended) which will enable students with disabilities to participate in and benefit from all post-secondary educational programs and activities.

**Counseling**
Need Help? Counseling is available for academic, career, and personal matters. Contact either:
Terry Albores Office: B200S Phone: 936.273.7074
Amy Roberson Office: B120H Phone: 936.273.7039

**Emergency Management**
- Lone Star College System (LSCS) is committed to maintaining the safety of the students, faculty, staff, and guests while visiting any of our campuses.
- See [http://www.lonestar.edu/oem](http://www.lonestar.edu/oem) for details.
- Register at [http://www.lonestar.edu/12803.htm](http://www.lonestar.edu/12803.htm) to receive emergency notifications.
- In the event of an emergency contact LSCS Police at (281) 290-5911 or X5911.
### Proposed Calendar of Classes, Sessions, Activities, Readings, Examinations, and Assignments:

<table>
<thead>
<tr>
<th>Wk #</th>
<th>Dates</th>
<th>Topics</th>
<th>Outcomes/Objective</th>
<th>Reading</th>
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<tbody>
<tr>
<td>1</td>
<td>1/13</td>
<td>Syllabus Review&lt;br&gt;Module 1: Sensory Response&lt;br&gt;Arousal/Attention/Cognition&lt;br&gt;Intro. to Joint ROM, Muscle Performance/Muscle Flexibility</td>
<td>1,2,3,4</td>
<td>O’Sullivan Chapter 5,6&lt;br&gt;Epler and Palmer Chapters 1, 2</td>
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<td>2</td>
<td>1/20</td>
<td>Module 2: Flexibility/Goniometry / MMT Lower Quadrant</td>
<td>1,2,3,4</td>
<td>Epler and Palmer Chaps. 12, 13, 14&lt;br&gt;Dutton Chapter 11, 12</td>
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<td>3</td>
<td>1/27</td>
<td><strong>Exam 1</strong>&lt;br&gt;Module 3: Flexibility/Goniometry / MMT Upper Quadrant</td>
<td>1,2,3,4</td>
<td>Epler and Palmer Chaps. 5,6,7&lt;br&gt;Dutton Chapter 11, 12</td>
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<td>4</td>
<td>2/3</td>
<td>Module 4: Flexibility/Goniometry / MMT Spine</td>
<td>1,2,3,4</td>
<td>Epler and Palmer Chaps. 9,10,11&lt;br&gt;Dutton Chapter 11, 12</td>
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<td>5</td>
<td>2/10</td>
<td>Module 5: Functional Assessment/Special Tests&lt;br&gt;<strong>Project Due</strong></td>
<td>1,2,3,4</td>
<td>O’Sullivan Chapter 11&lt;br&gt;Epler and Palmer Chaps. 5,6,7,11,12,13,14&lt;br&gt;Dutton Chapter 7</td>
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<td>6</td>
<td>2/17</td>
<td>Competency Assessments and Case Studies&lt;br&gt;*TPTA Legislative Day</td>
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<td>7</td>
<td>2/24</td>
<td><strong>Exam 2</strong>&lt;br&gt;Practical Exam</td>
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<td>8</td>
<td>3/3</td>
<td>Module 6: Posture Balance</td>
<td>1,2,3,4</td>
<td>Epler and Palmer Chap. 4&lt;br&gt;Kendall Chap. 2&lt;br&gt;Dutton Chapter 6</td>
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<td>9</td>
<td>3/10</td>
<td><strong>SRING BREAK</strong></td>
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<td>10</td>
<td>3/17</td>
<td>Module 7: Coordination Gait</td>
<td>1,2,3,4</td>
<td>O’Sullivan Chapters 7 and 10&lt;br&gt;Video&lt;br&gt;Dutton Chapter 14</td>
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<td>11</td>
<td>3/24</td>
<td>Gait</td>
<td>1,2,3,4</td>
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<td>12</td>
<td>3/31</td>
<td><strong>Exam 3</strong>&lt;br&gt;Module 8: Anthropometric Characteristics</td>
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<td>13</td>
<td>4/8</td>
<td>Module 9: Integumentary Integrity</td>
<td>1,2,3,4</td>
<td>Hand-Out</td>
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<td>14</td>
<td>4/14</td>
<td>Review</td>
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<td>1/13</td>
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