



Physical Therapist Assistant Program

Essentials of Data Collection

PTHA 2201

Fall 2014

M, W: 8:30-10:30

CT 105/108

Instructor: Matt Bertrand (Primary)

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Office Hours: Monday, Wednesday 10:30 – 11:30, 2:30 – 4:30

Tuesday: 8:30 -11:30; 12:30 – 2:30 Thursday: 2:30 – 3:30, Friday 9:00 - 10:00

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Office Hours: Monday, Wednesday 10-30 – 11:30, 1:00 – 3:00

Tuesday 1:00 – 3:00, Thursday 2:30 – 4:30

Course Description:

Data collection techniques used to prepare the physical therapist assistant to assist in physical therapy management. The acquisition of muscle function information by use of manual muscle testing; joint range of motion information by use of goniometry; gait information by use of gait observation; and data collection techniques for posture and balance information are included. (ICOs 1, 2, 3, 5)

Required Texts:

1. Muscle Testing: Techniques of Manual Examination, 8th Edition; Hislop and Montgomery; W. B Saunders, 2007
2. Measurement of Joint Motion: A Guide to Goniometry 4th Edition: by Norkin and White; F. A. Davis, 2009
3. PTHA 2201 Course Packet for Fall 2014

Description of Institutional Core Objectives (ICO's)

Given the rapid evolution of necessary knowledge and skills and the need to take into account global, national, state, and local cultures, the core curriculum must ensure that students will develop the essential knowledge and skills they need to be successful in college, in a career, in their communities, and in life. Therefore, with the assistance of the Undergraduate Education Advisory Committee, the Coordinating Board has approved guidelines for a core curriculum for all undergraduate students in Texas.

Through the application and assessment of objectives within the institution's core curriculum, students will gain a foundation of knowledge of human cultures and the physical and natural world; develop principles of personal and social responsibility for living in a diverse world; and advance intellectual and practical skills that are essential for all learning. Appropriate Odessa College faculty periodically evaluates all of the courses listed in the descriptions on the following pages of this catalog and keys them to Odessa College's Institutional Core Objectives (ICOs), as defined by the Texas Higher Education Coordinating Board (THECB). (Source: *Odessa College Catalog of Courses 2012-2013, page 73*)

Odessa College's Institutional Core Objectives (ICOs):

- 1) *Critical Thinking Skills* - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- 2) *Communication Skills* - to include effective development, interpretation and expression of ideas through written, oral and visual communication
- 3) *Empirical and Quantitative Skills* - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
- 4) *Teamwork* - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
- 5) *Personal Responsibility* - to include the ability to connect choices, actions and consequences to ethical decision-making
- 6) *Social Responsibility* - to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

Learning Outcomes for __PTHA 2201__ (Source: *Odessa College Catalog of Courses*)

Outcome	ICO
LIST LEARNING OUTCOMES HERE THAT WILL ALIGN WITH ICO'S	<i>Critical Thinking Skills</i> - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
	<i>Communication Skills</i> - to include effective development, interpretation and expression of ideas through written, oral and visual communication
	<i>Empirical and Quantitative Skills</i> - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
	<i>Teamwork</i> - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

	<i>Personal Responsibility</i> - to include the ability to connect choices, actions and consequences to ethical decision-making
	<i>Social Responsibility</i> - to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

Odessa College Policies

Academic Policies

Note that the OC Student Handbook states (page 32) that “[i]n cases of academic dishonesty, the instructor has the authority to impose appropriate scholastic penalties. Complaints or appeals of disciplinary sanctions may be filed in accordance with the college due process procedure. Copies of the college due process procedure are available in the office of The Director of Student Life (CC104).”

For more information on your rights and responsibilities as a student at Odessa College, please refer to the following: *The 411 of OC: Student Handbook 2012-2013; Student Rights & Responsibilities* <http://www.odessa.edu/dept/studenthandbook/handbook.pdf>

Scholastic Dishonesty

Scholastic dishonesty shall constitute a violation of these rules and regulations and is punishable as prescribed by board policies. Scholastic dishonesty shall include, but not be limited to, cheating on a test, plagiarism and collusion.

"Cheating on a test" shall include:

- Copying from another student's test paper
- Using test materials not authorized by the person administering the test.
- Collaborating with or seeking aid from another student during a test without permission from the test administrator.
- Knowingly using, buying, selling, stealing or soliciting, in whole or in part, the contents of an unadministered test.
- The unauthorized transporting or removal, in whole or in part, of the contents of the unadministered test.
- Substituting for another student, or permitting another student to substitute for one's self, to take a test.
- Bribing another person to obtain an unadministered test or information about an unadministered test.
- "Plagiarism" shall be defined as the appropriating, buying, receiving as a gift, or obtaining by any means another's work and the unacknowledged submission or incorporation of it in one's own written work.
- "Collusion" shall be defined as the unauthorized collaboration with another person in preparing written work for fulfillment of course requirements. (Source: *Odessa College Student Handbook 2012-2013, page 29-30*)

Special Populations/Disability Services/Learning Assistance

Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa

College, please feel free to contact me to discuss your concerns. You may also call the Office of Disability services at 432-335-6861 to request assistance and accommodations.

Odessa College affirms that it will provide access to programs, services and activities to qualified individuals with known disabilities as required by **Section 504 of the Rehabilitation Act of 1973 and Title II of the Americans with Disabilities Act of 1990 (ADA)**, unless doing so poses an undue hardship or fundamentally alters the nature of the program or activity. Disabilities may include hearing, mobility or visual impairments as well as hidden disabilities such as chronic medical conditions (arthritis, cancer, diabetes, heart disease, kidney disorders, lupus, seizure disorders, etc.), learning disabilities or psychiatric or emotional disabilities. A student who comes to Odessa College with diagnosed disabilities which may interfere with learning may receive accommodations when the student requests them and submits proper documentation of the diagnosis. A Request for Accommodations form and guidelines for beginning the request process are available in the OC Help Center or on the Odessa College web site at www.odessa.edu/dept/counseling/disabilities.htm. The college strives to provide a complete and appropriate range of services for students with disabilities such as assistance with testing, registration, information on adaptive and assistive equipment, tutoring, assistance with access and accommodations for the classroom where appropriate. For information regarding services, students with disabilities should contact the Office of Disability Services in the OC Help Center located in Room 204 of the Student Union Building or call 432-335-6433. (Source: *Odessa College Catalog of Courses 2012-2013, page 52*)

Dropping a Course or Withdrawing from College

Students wishing to drop a non-developmental course may do so online using WebAdvisor, at the Wrangler Express, or Registrar's Office. A student wishing to drop a developmental course or withdraw from college should obtain a drop or withdrawal form from the Wrangler Express or the Registrar's Office. Students are encouraged to consult with instructors prior to dropping a class. Students may not completely withdraw from the college by use of the Web. Students must drop a class or withdraw from college before the official withdrawal date stated in the class schedule. Students who are part of the Armed Forces Reserves may withdraw with a full refund if the withdrawal is due to their being ordered into active duty. A copy of the student's orders must be presented to the Registrar's Office at the time of the withdrawal. For details, please contact the Office of the Registrar. **No longer attending class does not automatically constitute withdrawal from that class, nor does a student's notification to an instructor that the student wishes to be dropped. Failure of a student to complete the drop/withdrawal process will result in a grade of "F."** (Source: *Odessa College Catalog of Courses 2012-2013, page 36*)

Learning Resource Center (LRC; Library)

The Library, known as the Learning Resources Center, provides research assistance via the LRC's catalog (print books, videos, e-books) and databases (journal and magazine articles). Research guides covering specific subject areas, tutorials, and the "Ask a Librarian " service provide additional help.

Student Success Center (SSC)

Located in the LRC, the Student Success Center (SSC) provides assistance to students in meeting their academic and career goals. We strive to provide new and updated resources and services at no charge to OC students. Academic support services include tutoring, study skills training, workshops, and the mentoring program. Tutoring is available for a variety of subjects including college mathematics, English, government, history, speech, chemistry, biology, and all developmental coursework. Appointments are preferred, but walk-ins will be served as soon as possible. Smarthinking online tutoring is also available. All computers in the center have Internet access, Microsoft Office, and software resources to assist OC students in improving their reading, writing and mathematical skills. The center also offers special assistance to students preparing for the THEA/COMPASS test. Computer lab assistants are available to assist students with student email, Blackboard, OC portal, Course Compass and more. For more information or to make an appointment, please call 432-335-6673 or visit www.odessa.edu/dept/ssc/ (Source: *Odessa College Catalog of Courses 2012-2013, page 54*)

As part of the Design for Completion initiative, your Odessa College Student Success Coach and faculty mentor will help you stay focused and on track to complete your educational goals. If an instructor sees that you might need additional help or success coaching, he or she may submit a Retention Alert. Your Student Success Coach or faculty mentor will contact you to work toward a solution.

Student E-mail

Please access your Odessa College Student E-mail, by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. **Correspondence will be submitted using your Odessa College email as an alternative method to contact you with information regarding this course.**

Technical Support

For Blackboard username and password help and for help accessing your online course availability and student email account contact the Student Success Center at 432-335-6878 or online at https://www.odessa.edu/dept/ssc/helpdesk_form.htm.

Expectations for Engagement – Face to Face Learning

To help make the learning experience fulfilling and rewarding, the following Expectations for Engagement provide the parameters for reasonable engagement between students and instructors for the learning environment. Students and instructors are welcome to exceed these requirements.

Reasonable Expectations of Engagement for Instructors

1. As an instructor, I understand the importance of clear, timely communication with my students. In order to maintain sufficient communication, I will
 - provided my contact information at the beginning of the syllabus;
 - respond to all messages in a timely manner through telephone, email, or next classroom contact; and,
 - notify students of any extended times that I will be unavailable and provide them with alternative contact information (for me or for my supervisor) in case of emergencies during the time I'm unavailable.
2. As an instructor, I understand that my students will work to the best of their abilities to fulfill the course requirements. In order to help them in this area, I will
 - provide clear information about grading policies and assignment requirements in the course syllabus, and
 - communicate any changes to assignments and/or to the course calendar to students as quickly as possible.
3. As an instructor, I understand that I need to provide regular, timely feedback to students about their performance in the course. To keep students informed about their progress, I will
 - return classroom activities and homework within one week of the due date and
 - provide grades for major assignments within 2 weeks of the due date or at least 3 days before the next major assignment is due, whichever comes first.

Reasonable Expectations of Engagement for Students

1. As a student, I understand that I am responsible for keeping up with the course. To help with this, I will
 - attend the course regularly and line up alternative transportation in case my primary means of transportation is unavailable;
 - recognize that the college provides free wi-fi, computer labs, and library resources during regular campus hours to help me with completing my assignments; and,
 - understand that my instructor does not have to accept my technical issues as a legitimate reason for late or missing work if my personal computer equipment or internet service is unreliable.
2. As a student, I understand that it is my responsibility to communicate quickly with the instructor any issue or emergency that will impact my involvement with or performance in the class. This includes, but is not limited to,
 - missing class when a major test is planned or a major assignment is due;
 - having trouble submitting assignments;
 - dealing with a traumatic personal event; and,

- having my work or childcare schedule changed so that my classroom attendance is affected.
3. As a student, I understand that it is my responsibility to understand course material and requirements and to keep up with the course calendar. While my instructor is available for help and clarification, I will
- seek out help from my instructor and/or from tutors;
 - ask questions if I don't understand; and,
 - attend class regularly to keep up with assignments and announcements.

Course Policies

Disclaimer

This syllabus is tentative and subject to change in any part at the discretion of the instructor. Any changes will be in accordance with Odessa College policies. Students will be notified of changes, if any, in timely manner.

Original Effort

The work submitted for this course must be original work prepared by the student enrolled in this course. Efforts will be recognized and graded in terms of individual participation and in terms of ability to collaborate with other students in this course.

The Physical Therapist Assistant Program at Odessa College requires students adhere to the highest standards of academic integrity. Students are entrusted to be honest in **every phase of their academic life** and to present as their own work only that which is genuinely theirs. Cheating, plagiarism, collusion, violation of test conditions, taking part in dishonest behavior, or other falsification of academic work is a serious breach of College standards. *“Cheating on a test” shall include: a. Copying from another student’s test paper; b. Using test materials not authorized by the person administering the test, c. Collaborating with or seeking aid from another student during a test without permission from the test administrator, d. Knowingly using, buying, selling, stealing, or soliciting, in whole or in part, the contents of an unadministered test, e. The unauthorized transporting or removal, in whole or in part, of the contents of the unadministered test, f. Substituting for another student, or permitting another student to substitute for one’s self, to take a test, g. Bribing another person to obtain an unadministered test or information about an unadministered test. “Plagiarism” shall be defined as the appropriating, buying, receiving as a gift, or obtaining by any means another’s work and the unacknowledged submission or incorporation of it in one’s own written work. “Collusion” shall be defined as the unauthorized collaboration with another person in preparing written work for fulfillment of course requirements.* Depending upon the nature of the case, a student guilty of academic dishonesty may receive penalties ranging from a grade of "F" for the work submitted to expulsion from the Program.

Description of students

Students enrolled in this course are preparing to enter into their second and third clinical rotations.

Course prerequisites

__PTHA 2460__ (Source: *Odessa College Catalog of Courses 2012-2013, page 178*)

Course Alignment with Industry Standards This course (Essentials of Data Collection/ PTHA 2201/ Fall) has been identified as a course by Career, Technical, and Workforce Education as one in which teaching and learning strategies adopted by AVID will be implemented. As a student in The PTA program, you will be expected to develop an understanding of the strategies, to model the strategies, to maintain fidelity of implementation, and to examine how these strategies may impact your effectiveness as a professional in your chosen area of occupation, either through coursework or practicum experience as outlined by the course instructor.

Digital Protocol

Cell phones must be placed on either *vibrate* or *silent* mode and are to be accessed in emergency cases only. The use of laptops or any other digital device is permitted in order to facilitate note-taking relative to instruction. Any written assignments will be submitted electronically on Blackboard. **The electronic recording of the time on Blackboard will be considered the time of assignment submission. Take necessary steps to ensure that your assignments are submitted on "Blackboard" time.** Back-up and/or additional copies of all assignments submitted is encouraged. **Computers/printers are available to OC students in the LRC (301-303); therefore, not having access to a computer due to technical issues (crash; corrupted files) will not be considered as an acceptable reason for not completing assignments.** If there is a loss of server connection with Odessa College due to maintenance, then an email will be sent to student with pertinent information and status reports. Assignments submitted electronically need to be **WORD documents (doc or docx).**

Professional Behavior:

Professional behavior is absolutely essential both while the individual is a student in this program as well as after graduation. The Professional Behaviors Assessment form provides a standard for behavior and a mechanism for self-assessment by the student as well as assessment by faculty during the academic component of the program. If a faculty member observes consistent failure to demonstrate acceptable professional behavior by a student, the faculty member will utilize the assessment form as a tool for counseling the student. **Failure to respond appropriately to counseling regarding professional behaviors will result in dismissal from the program.**

Attendance Policy

Regular attendance at lecture and lab is essential and has a direct effect on the final grade that a student earns in class. Non-attendance on the part of a student may result in grade penalty or may lead to dismissal from the program.

A student should attend all lecture and laboratory sessions. Habitual or patterned absenteeism in lecture or lab will not be tolerated. As soon as such a problem is identified, the student will be required to meet with the faculty to determine a course of action and, if the problem is not corrected, the student will be subject to dismissal from the program. Absences in laboratory sessions are particularly problematic because of the lost opportunity to practice skills; therefore, students will be penalized for missing more than one lab session per semester. Should a student miss more than one lab session, one point for each missed session will be deducted from the final course grade.

All absences must be reported to the appropriate faculty member prior to the start of class. If the faculty member cannot be reached directly, a voice mail message may be left. Failure to notify the faculty prior to an absence will affect the student's Professional Behaviors Assessment. **3 unexcused absences will result in loss of 10 points from the student's final grade, at the discretion of the PTA instructor.**

AVID

This course has been identified as a course by Career, Technical, and Workforce Education as one in which teaching and learning strategies adopted by AVID will be implemented. As a student in the legal program, you will be expected to develop an understanding of the strategies, to model the strategies, to maintain fidelity of implementation, and to examine how these strategies may impact your effectiveness as a professional in your chosen area of occupation, either through coursework or practicum experience as outlined by the course instructor.

Grading Policy

Please understand that this is a required course for the PTA program in order to prepare you for your Ortho and Neuro Clinical

Rotations. Quality work and active participation is expected and not to be negotiated. As a general policy, grades will be taken in class. Any written assignments or tests will be graded outside of class. You can expect feedback on assignments within a week's time. A minimum grade of a 70 is required to pass PTHA 1405.

Mid-Semester Conference

Each student in the PTA Program will have a mid-semester conference, in which retention and progression through the program will be addressed, hosted by a faculty member in the PTA Program. The scope of this conference will include the student's grades in each PTA course, professional behaviors in all PTA courses, and a plan for retention to promote progression in the PTA Program.

Grade Inquiry Policy

It is the responsibility of the individual taking this course to maintain accurate track of assignment submissions and grades. There will be opportunities during the semester to meet with the instructor to discuss your academic progress. Contact the instructor to schedule an appointment. Class time will not be used for grade inquiries. All grades are final.

Communication Plan

The best way to communicate with the course instructor is via email and text. Do not text after 8 PM unless for an emergency. Also, check in Blackboard regularly for announcements, including any changes in the course schedule due to instructor illness or conference attendance. Appointments with the instructor may also be scheduled.

General Course Requirements : In order to receive credit for this course, all students must:

1. Attend class and participate.
2. Complete all scheduled unit exams.
3. Complete all lab check-offs
4. Complete all assignments
5. Complete the final exam
6. **Submit assignments on time. Late work will not be accepted. Medical and/or family circumstances that warrant an extension on assignments need to be presented to the instructor. Extensions will be allowed at the instructor's discretion.**

Acceptance of Late Assignments:

Projects or outside assignments are due at the beginning of class on the assigned due date. Late papers will receive a 5% per day grade penalty. This penalty will continue to be assessed each day the assignment is not turned in.

Missing an Exam:

Exams are defined as formally scheduled examinations covering a major portion of the course content and cumulatively comprising a relatively large percentage of the overall grade for a course. Every effort should be made by the student to be present for all exams. If it is necessary for a student to miss an exam, the instructor must be notified prior to the scheduled exam time and arrangements must be made for make-up. It is the instructor's option to give the same exam as the one missed or a different exam over the same content. If the exam is not made up within one class day, a 5% per day penalty will be assessed each day the exam is not taken.

Grading Scale:

- "A" = 90-100
- "B" = 80-89
- "C" = 70-79
- "D" = 60-69
- "F" = 0-59

Incomplete Policy

An 'Incomplete' grade may be given only if:

1. The student has passed all completed work
2. If he/she has completed a minimum of 75% of the required coursework. A grade of an "I" will only be assigned when the conditions for completions have been discussed and agreed upon by the instructor and the student.

Overview of assignments

<u>Type of Assignment</u>	<u>Percentage</u>
Unit Exams/Quizzes	40%
Assignments	10%
Lab Checkoffs	30%
Final Exam	20%

Goals:

After completing this course, the student should be able to:

- 1.0 Utilize terminology and abbreviations unique to physical therapy.
- 2.0 Understand principles of body mechanics related to safety of patient and caregiver.
- 3.0 Monitor vital signs.
- 4.0 Measure selected anthropometrical characteristics.
- 5.0 Understand principles of patient positioning.
- 6.0 Understand isolation procedures and sterile techniques.
- 7.0 Understand basic wound care, dressing, and bandaging techniques within the plan of care established by the physical therapist.
- 8.0 Understand principles of basic mobility and ADL training within the plan of care established by the physical therapist.
- 9.0 Produce accurate, well-organized progress notes.
- 10.0 Understand principles and application of range of motion exercise within the plan of care established by the physical therapist.

Objectives:

- 1.0 To demonstrate competency in performing selected musculoskeletal data collection techniques and understanding their relevance to the treatment plan established by the physical therapist, the student should be able to:
 - 1.1*Describe the principles and clinical relevance of manual muscle testing.
 - 1.2*Perform and explain selected manual muscle testing procedures.
 - 1.3*Document and organize results of manual muscle testing procedures.
 - 1.4*Describe the principles and clinical relevance of goniometric measurements.

- 1.5*Choose and perform and explain goniometric measurement techniques for selected extremity joints.
 - 1.6*Document and report results of goniometric measurement procedures.
 - 1.7*Perform and explain screening procedures for muscle strength and range of motion.
- 1.0 To demonstrate competency in performing balance data collection techniques and understanding their relevance to the treatment plan established by the physical therapist, the student should be able to:
 - 2.1 *Describe the principles and clinical relevance of balance data collection techniques.
 - 2.2 *Perform and explain selected balance data collection techniques to include identification of fall risk factors and administration of selected tests to determine patient status.
 - 2.3 *Describe the relationship between balance data collection techniques and interventions used to improve balance.
 - 2.4 *Perform and explain interventions used to improve balance.
 - 2.5 *Document results of balance data collection techniques.
 - 2.0 To demonstrate competency in performing gait data collection techniques and understanding their relevance to the treatment plan established by the physical therapist, the student should be able to:
 - 3.1 *Describe the principles and identify the clinical relevance of gait data collection techniques.
 - 3.2 *Identify common gait deviations.
 - 3.3 *Document results of gait data collection techniques.
 - 3.0 To demonstrate competency in performing sensory data collection techniques and understanding their relevance to the treatment plan established by the physical therapist, the student should be able to:
 - 4.1 *Describe the principles and identify the clinical relevance of sensory data collection techniques.
 - 4.2 *Perform and describe selected sensory data collection techniques.
 - 4.3 *Document results of sensory data collection techniques.
 - 4.0 To demonstrate competency in performing pain data collection techniques and understanding their relevance to the treatment plan established by the physical therapist, the student should be able to:
 - 5.1 *Describe the principles and identify the clinical relevance of pain data collection techniques.
 - 5.2 *Perform and explain selected pain data collection techniques to include rating scales, graphs, and questionnaires.
 - 5.3 *Document results of pain data collection techniques.
 - 5.0 To demonstrate competency in performing postural data collection techniques and understanding their relevance to the treatment plan established by the physical therapist, the student should be able to:
 - 6.1 *Describe the principles and identify the clinical relevance of postural data collection techniques.
 - 6.2 *Perform and explain selected postural data collection techniques to include anterior-posterior and lateral body alignment relative to a plumb line, basic scoliosis screening techniques, and leg length measurements.
 - 6.3 *Document results of postural data collection techniques.
 - 6.0 To demonstrate competency in understanding other selected assessments and their relevance to the treatment plan established by the physical therapist, the student should be able to:
 - 7.1 *Describe the principles and identify the clinical relevance of the selected assessments.
 - 7.2 *Perform selected assessments.

** Indicates integrated, core curriculum skills (math, reading, writing, communication, technological literacy and/or critical thinking)*

Laboratory Check-offs:

Laboratory check-offs are formal procedures in which students must perform selected skills to a predetermined minimum level of competence. Students receive skills check-off sheets on which all expected performance elements are listed. Critical safety elements that, if not performed correctly will result in failure, are identified with an asterisk. All check-offs must be passed in order for students to pass the course. If a check-off is failed, students must repeat it; students are allowed three attempts to pass a check-off and will receive a maximum grade of 70 on a repeated check-off. If a student is not successful within the allowed number of repeats, the student will not be allowed to complete the course and will be withdrawn from the PTA Program.

Quizzes:

All quizzes given, whether scheduled or given unannounced, may not be rescheduled if missed. A zero will be the grade recorded for an unexcused missed quiz. **All quizzes will be averaged together to obtain a percentage of the final class grade.** Any exceptions to this policy will be announced in class.

Course Outline:

INTRODUCTION

- I. Definitions
- II. Why Assess?
- III. Reliability, Validity, Objectivity
- IV. Norms
- V. Types of Physical Therapy Assessments

MANUAL MUSCLE TESTING

- I. Introduction
- II. Prerequisites
- III. Grading
- IV. Principles
- V. Procedure
- VI. Factors affecting strength
- VII. Recording
- VIII. Miscellaneous

GROSS MUSCLE SCREENING

RANGE OF MOTION SCREENING

GONIOMETRY

- I. Range of motion
- II. Principles of Goniometry
- III. Accuracy of Goniometric Measurements
- IV. Goniometry Technique
- V. Documentation of Goniometric Measurements

POSTURE

- I. Definitions
- II. Factors that influence posture
- III. General Guidelines for Postural Assessment and Modification
- IV. Anteroposterior Gravity Line – viewed from side
- V. Typical Postural Problems Encountered
- VI. Lateral Gravity Line
- VII. Scoliosis
- VIII. Observation of Posture Lab

GAIT ASSESSMENT

- I. Introduction
- II. Visual or Observational Gait Analysis
- III. Documentation
- IV. Normal Ranges for Gait Parameters
- V. Common Gait Abnormalities, Causes, and Confirming Evidence

BALANCE ASSESSMENT

- I. Balance Is Maintaining Center of Mass over Base of Support
- II. Four Part Assessment
- III. Fall Risk Factors – 1 fall/year = a “faller”
- IV. Subjective
- V. Physician Diagnosis
- VI. Clinical Evaluation
- VII. Balance Grades
- VIII. Disorders / Dysfunctions – Evaluation and Treatment

BALANCE GRADES

PAIN ASSESSMENT

- I. Introduction
- II. Two Dimensions of Pain
- III. Assessment Instruments

SENSORY TESTING

- I. Introduction
- II. Reasons for performing sensory evaluations

- III. Division of sensory systems
- IV. Guidelines for Administering Sensory Evaluations
- V. Testing Protocols
- VI. Recording Test Results

SENORY TESTING DEFINITIONS

ASSESSMENT TOOLS

- I. Cognition
- II. Traumatic Brain Injury Assessment
- III. Functional Assessment

SEI will be announced via Blackboard