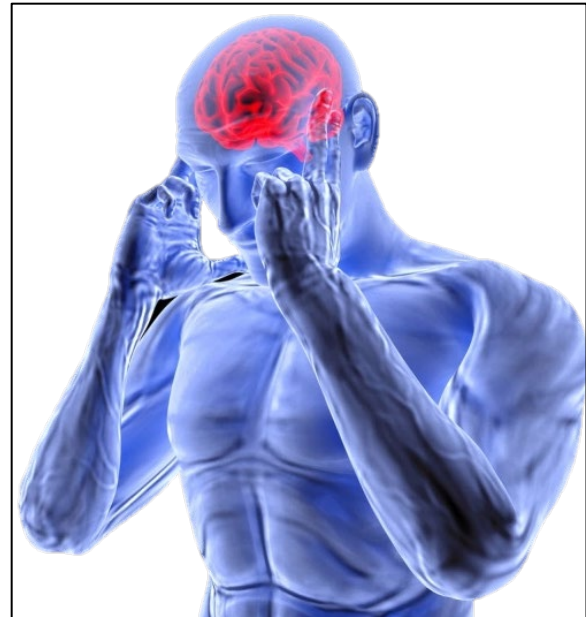


Fall Semester 2024

PTA 2010 Section 300

3.0 Credit Hours

Course Fee: None



COURSE DESCRIPTION

Students will build on basic anatomy knowledge of the nervous, muscular, and skeletal systems by integrating them into a functional Movement System clinical practice paradigm.

COURSE PREREQUISITES

Students must be formally admitted to the PTA Program to enroll in this course.

COURSE COREQUISITE

PTA 2015 Application of Functional Anatomy in Physical Therapy.

TEXTBOOKS AND INSTRUCTIONAL RESOURCES

- *Essentials of Kinesiology for the Physical Therapist Assistant*. 4th Edition. Mansfield & Neumann, 2023. ISBN 78-0323824156
- *Visible Body* learning application
- Additional readings and supplemental resources posted to the course CANVAS site

COURSE DELIVERY

All lecture content will be delivered in a lecture/discussion format. Students are introduced to essential course content via the PTA 2010 CANVAS site. The material found in the course textbook and on the instructional site will lay the foundation for class discussions and collaborative learning experiences. As a partner in your own learning, it is essential that you prepare for this course by studying the content prior to the class discussion. You will be expected to contribute to the development of understanding in the learning environment through active participation.

COLLEGE-WIDE UNIFIED LEARNING OUTCOMES (SLO)

Salt Lake Community College has defined learning outcomes as essential capacities that all students should possess regardless of academic major or career plans. These eight outcomes guide the development of your learning plans in the PTA Program and beyond:

1. Acquire substantive knowledge in your intended major
2. Communicate effectively
3. Develop quantitative literacies necessary for your chosen field of study
4. Think critically and creatively
5. Develop civic literacy and the capacity to be community-engaged learners who act in mutually beneficial ways with community partners
6. Develop the knowledge and skills to work with others in a professional and constructive manner
7. Develop computer and informational literacy
8. Develop the attitudes and skills for lifelong wellness

COURSE STUDENT LEARNING OUTCOMES

Upon completion of PTA 2010, students will meet the following standards of content mastery:

1. Identify and discuss the components of the Movement System as defined by the American Physical Therapy Association and summarize the contributions of each element to functional movement.
2. Distinguish between kinetic and kinematic principles as they impact the operation of the musculoskeletal system.
3. Identify and name the structural components of the axial and appendicular skeletal system.
4. Identify, name, and explain the function of skeletal landmarks in the axial and appendicular skeletal system.
5. Identify the types of joints in the skeletal system and describe the purpose of diverse joint architecture as it guides joint kinematics.
6. Identify selected joint structures that constrain joint movement to prevent injury.
7. Identify, list by name, and define the origin/insertion, action, and innervation of muscles of the trunk and spine.
8. Identify, list by name, and define the origin/insertion, action, and innervation of muscles of the neck and head.
9. Identify, list by name, and define the origin/insertion, action, and innervation of muscles of the shoulder complex and upper extremity.
10. Identify, list by name, and define the origin/insertion, action, and innervation of muscles of the pelvic girdle and lower extremity.
11. Identify and define the function of the coverings of the brain and cerebrospinal fluid.
12. Identify and list the vascular structures of the cerebral hemispheres.
13. Identify and describe the peripheral nervous system structures involved in the registration/processing of sensory input to the brain.
14. Identify and describe the central nervous system structures involved in the generation/discharge of task-driven movement patterns.
15. List and describe the sequence of electrochemical events of the Excitation-Contraction Model of muscular contraction.
16. Integrate the neuromusculoskeletal events creating movement and use this information to analyze a functional movement pattern and/or impaired movement sequence.

STUDENT RESPONSIBILITIES

Students should expect to spend a minimum of 45 hours in the classroom and 60+ hours in out-of-class concentrated study during the semester. If the student is having difficulty in the course, it is the student's responsibility to make arrangements to talk with the Instructor. Students are expected to be self-directed and motivated in identifying their learning needs associated with the course content.

PROFESSIONALISM

Professional behavior is an essential element in creating a safe and supportive learning environment at the College and lays the foundation for successful development as a physical therapy clinician. The following specific behavioral standards are evaluated to determine the professionalism grade associated with this course:

- Consistent Attendance (20 points). Students are expected to attend each scheduled lecture, discussion group, and study session. If a student arrives more than 15 minutes late to the class, five (5) points will be deducted per occurrence. Unexcused absences will result in a five (5) point deduction per occurrence. An absence may be excused by notifying the Instructor by phone message or e-mail prior to the beginning of a class period.
- Active Participation (15 points). During each class period, multiple opportunities will be provided to ask/answer questions, participate in structured active learning experiences, or to serve as a model for demonstration of various clinical techniques (including palpation by the Instructor). Students show engagement with the course content, with the Instructor, and with fellow students by including themselves in these activities. Unrelated use of cell phones, social media platforms, or computers during classroom learning experiences will result in the loss of five (5) points per occurrence.
- Respectful Interactions (15 points). The *SLCC Code of Student Rights and Responsibilities* states: "Salt Lake Community College is committed to maintaining the campus community as a place of work and study free from abuse, intimidation and harassment, where everyone is treated with respect, dignity, and courtesy. Conduct which disrupts, interferes with the safety of others, adversely affects, or otherwise interferes with the lawful functions of the College, or the rights of an individual to pursue an education at the College may be subject to College discipline." Failure to adhere to this guideline will result in the deduction of ten (10) points per occurrence and possible disciplinary action imposed by the School of Health Sciences and/or by the College.

STUDENT PERFORMANCE EVALUATION

Distribution of the course grade will be as follows:

Functional Anatomy Written Examinations (x4)	400 points
Neuroscience of Movement Examinations (x2)	200 points
ePortfolio	30 points
Professionalism (as defined in this Syllabus)	50 points
TOTAL	680 points

FINAL GRADE

All individual quizzes and exams will be carried two decimal points before calculating the final exam score and will be calculated without rounding. Final course grade computation will then include additional learning requirements for the course. Students must receive 77.00% on exams and quizzes before other class projects, assignments and professionalism are computed into the course grade. Failure to achieve 77.00% on all exams and/or earning less than one point in Professionalism, despite a higher composite score for the course, will result in course failure and dismissal from the Program.

Please see Program Handbook for additional information. In addition, to receive credit/recognition for this course as part of the SLCC Physical Therapist Assistant Program, the students must earn an accumulative 77.00% for all assessments as noted under Student Performance Evaluation. The following grade scale will be used for this course:

A	95-100%	B	86-88%	C	77-79%	D	68-70%
A-	92-94%	B-	83-85%	C-	74-76%	D-	65-67%
B+	89-91%	C+	80-82%	D+	71-73%	E	64% and below

Anchor Definitions for Letter Grades

- A : For outstanding work which demonstrates exceptional mastery of course material
- B : For good work which is clearly beyond simple mastery of material
- C : For acceptable work indicating a mastery of the basic concepts of a course (77% and above)
- D : For unacceptable work that fails to meet course requirements
- E : For unacceptable work that fails to meet course requirements

ASSIGNMENTS

Each assignment has a specific due date as noted under Assignments (on the Canvas website), in the Tentative Schedule, and/or as stated by the Instructor. All submissions for a particular assignment will be graded at the same time to ensure consistency in utilization of the grading rubric. Late assignments (assignments not completed by 11:59 pm on the due date) are not accepted for credit.

GRADING RUBRIC

Please refer to the Grading Rubric for this course posted on the Canvas website.

CODE OF STUDENT RIGHTS AND RESPONSIBILITIES

The student is expected to follow the SLCC Code of Student Rights and Responsibilities found at http://www.slcc.edu/policies/policies/student_affairs/8.1.050.aspx . Any deviation, by the Instructor's determination, from this published document may yield a failing grade for the course.

COMMUNICATING WITH THE INSTRUCTOR

If there are questions or concerns, students are encouraged to meet with the Instructor by phone, virtual communication (Zoom or Teams), or in person during the Instructor's posted office hours. Students may also email the Instructor at ken.freeman@slcc.edu. A student can expect a response to an e-mail request within 48 hours Monday through Friday.

WRITTEN COMMUNICATION STANDARD

All written communication including assignments, case studies, and assessments will be free from spelling, grammatical, and punctuation errors and will utilize only those medical abbreviations and symbols presented in PTA coursework guidelines. A professional will always cite their source of information. If you quote a source by copying and pasting information or minimally rewording the information, you must cite/recognize the source in the same document. Understand that the use of ideas, facts, opinions, illustrative material, data, direct or indirect wording of another scholar and/or writer – professional or student- without giving proper credit is plagiarism. Plagiarism is not acceptable in this course or at Salt Lake Community College.

ePORTFOLIO REQUIREMENT

Each student in PTA courses at SLCC will maintain an ePortfolio page. Instructors in every PTA course will require you to put at least one signature assignment from the course into your ePortfolio. A signature assignment is an example of your application of knowledge gained in the course accompanied by reflective writing. A Signature Assignment topic with accompanying instructions for completion and submission can be found on the Canvas® site for this course. A grading rubric for this assignment can also be found in the ePortfolio Module.

SOCIAL MEDIA

Students are not authorized to represent the College on any social media outlet. Social media groups shall not use the College's name, SLCC logo, or a course name unless it is an official Salt Lake Community College website related to a Student Club sanctioned by the Office of Student Life. Do not post anything on social media that would be a violation of Guidelines of Ethics of the Physical Therapist Assistant Program.

TITLE IX STATEMENT

"No person in the United States shall, on the basis of sex, be excluded from participation in, be denied benefit of, or be subjected to discrimination under any education program or activity receiving federal funds."

Examples of violations (but not limited to): sexual advances, requests for sexual favors and sexually motivated physical conduct; overt or subtle pressure for sexual activity; sexually offensive verbalization including remarks, "teasing", slurs, and innuendo; repeated inappropriate jokes or comments about sex or gender specific traits; conduct that is demeaning or derisive and occurs substantially because of one's gender; sexual assault; sexual violence; and/or gender based disparate treatment. Violations can occur in any college environment, such as (but not limited to): field trips, classrooms, student clubs, athletics, transportation, on-campus events.

If you have questions or concerns regarding your rights or responsibilities, or if you would like to file a Title IX complaint please contact:

Students: Dean of Students, 801-957-4776, STC 276 A (Redwood)

Employees or Community members: David E. Jensen, J.D., Title IX & Discrimination Manager, 801-957-4561, david.jensen@slcc.edu.

Salt Lake Community College has a strong prohibition against retaliation. The college does not tolerate acts of retaliation against anyone for engaging in filing a complaint or participating in an investigation.

ADA STATEMENT

Students with medical, psychological, learning or other disabilities desiring accommodations or services under ADA, should contact the Disability Resource Center (DRC). The DRC determines eligibility for and authorizes the provision of these accommodations and services for the college. Please contact the DRC at the Student Center, Suite 244, Redwood Campus, 4600 S. Redwood Rd, 84123. Phone: (801) 957-4659, TTY: 957-4646, Fax: 957- 4947 or by drc@slcc.edu .

EMERGENCY EVACUATION PROCEDURE

In case of emergency, please exit the Health Sciences Building on the east side of the building and gather in the field across the parking lot. If a student requires assistance in the event of an emergency evacuation, please notify the Instructor by the end of the first class period so necessary accommodations can be arranged.

INSTITUTIONAL SYLLABUS

For more college resources and information, you can find the Institutional Syllabus on Canvas. If you would prefer to link directly to the institutional syllabus the link is:

<https://slcc.instructure.com/courses/530981/pages/institutional-syllabus> .



Education is the kindling of a flame, not the filling of a vessel.
~ Socrates