

Application of Functional Anatomy in
Physical Therapy

Fall Semester 2024
PTA 2015 Sections 300, 301
3.0 Credit Hours
Course Fee: \$25.00



COURSE DESCRIPTION

Students learn and demonstrate the essential techniques of palpation as a clinical tool within the PTA scope of practice. Emphasis is on the development of strategies to accurately identify surface landmarks, skeletal landmarks, muscle groups, and joint structures. Use of prosected human cadavers as a learning experience is included in this course.

COURSE PREREQUISITES

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

COURSE COREQUISITE

PTA 2010 Principles of Functional and Neuroanatomy.

TEXTBOOKS AND INSTRUCTIONAL RESOURCES

- *Essentials of Kinesiology for the Physical Therapist Assistant*. Mansfield & Neumann, 2018. ISBN 978-0-323-54498-6
- *Visible Body* learning application
- Additional readings and supplemental palpation skill sheets posted to the course CANVAS site

COURSE DELIVERY

The instructional methods used in this course are carefully structured to enhance the mastery of complex, detailed information and to apply this knowledge as a problem-solving tool. Team-based learning, active learning techniques, palpation, and cadaver inspection will augment traditional lectures.

Palpation learning handouts will be available for each palpation session and can be found in each Canvas module.

Cadaver Learning handouts will be available for each cadaver session and can be found in each Canvas module.

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 2015, students will meet the following standards of content mastery:

1. Define palpation and describe the basic principles of skeletal and soft tissue manual identification techniques. (Assessed by examinations and skill checks using rubrics).
2. Demonstrate effective verbal, demonstrative, and tactile instruction techniques for directing clients during clinical palpation. (Assessed by examinations and skill checks using rubrics).
3. List and demonstrate the steps of safe and efficient patient positioning and draping when implementing palpation techniques. (Assessed by examinations and skill checks using rubrics).
4. Describe and demonstrate the proper palpation techniques for identifying surface landmarks of the human trunk, neck, and extremities. (Assessed by examinations and skill checks using rubrics).
5. Describe and demonstrate the proper palpation techniques for identifying skeletal landmarks of the human trunk, neck, and extremities. (Assessed by examinations and skill checks using rubrics).
6. Describe and demonstrate the proper techniques for identifying joint axis of rotation landmarks of the human trunk, neck, and extremities. (Assessed by examinations and skill checks using rubrics).
7. Describe and demonstrate the proper palpation techniques for identifying selected muscles and tendons of the human trunk, neck, and extremities. (Assessed by examinations and skill checks using rubrics).
8. Identify by proper terminology the structures of the human musculoskeletal system found in prosected human cadavers used for instruction. (Assessed by examinations and group learning activities using rubrics).
9. Integrate concepts of basic anatomy, functional anatomy, and palpation skills to create a strategy for clinical problem solving. (Assessed by case study quizzes and skill checks using rubrics).

STUDENT RESPONSIBILITIES

Students should expect to spend a minimum of 45 hours in-class and 45+ hours in 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 session. If a student arrives more than 15 minutes late to 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. Please try to schedule essential health appointments (physician, therapist, counselor, dentist, etc.) that do not conflict with published class times.
- 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). Students show engagement with the course content, with the Instructor, and with fellow students by including themselves in these activities.
- 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 or the College.

STUDENT CODE OF CONDUCT

The student is expected to follow the SLCC Student Code of Conduct found at http://www.slcc.edu/policies/docs/Student_Code_of_Conduct.pdf. Any deviation, by the Instructor's interpretation, from this published document will yield a failing grade for the course.

COMMUNICATING WITH THE INSTRUCTOR

If there are questions or concerns, students are encouraged to meet with or phone the Instructor during the Instructor’s virtual 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.

STUDENT PERFORMANCE EVALUATION

Distribution of the course grade will be as follows:

Functional Anatomy Skills Examinations (x4)	200 points
Cadaver Identification Written Examinations (x3)	60 points
Functional Anatomy Skill Check Off Sheet	20 points
ePortfolio	30 points
<u>Professionalism</u>	<u>50 points</u>
TOTAL	360 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

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.

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 presented in PTA coursework. A professional will always cite their source of information. If you quote a source such as 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 class 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. Select an assignment from this course which you would believe is representative of new or interesting knowledge gained in this course. Next, write and submit a reflection using the guidelines found on the Canvas site.

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," a class name, etc unless it is an official Salt Lake Community College website related to a sanctioned club through Student Life. Do not post anything on social media that would be a violation of the ethical rules of the Physical Therapist Assistant program. This might include class comments. Class comments should be posted on the appropriate Canvas course. Canvas is the course learning management system. Please keep comments professional, appropriate, and in keeping with the Professionalism requirements of the course.

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 building on the east side and gather across the road in the field. 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. For further information, please refer to <http://www.slcc.edu/emergency-prepare/emergency-procedures.aspx>.

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> .