

# Functional Anatomy Sup Instrct

OTA1105 301

## Course Description

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Students will explore musculoskeletal anatomy and kinesiology in order to understand occupational performance. Students will learn about these concepts through cadaver examination, palpation, and kinesthetic experiences. Students will utilize this knowledge to explain occupational performance and dysfunction.

Pre-Requisite(s): Admission into the Occupational Therapy Assistant Program

Co-Requisite(s): OTA 1100 - Functional Anatomy

Semester(s) Taught: Fall

## Course Student Learning Outcomes

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- Identify selected muscles, their attachments, and movements in a cadaver examination.
- Identify selected muscles and skeletal structures through palpation in supervised instruction and clinical settings.
- Explain musculoskeletal function and occupational performance through kinesthetic problem solving activities and applied clinical experiences.
- Deduce muscles involved in occupational performance kinesthetic problem solving activities and applied clinical experiences.
- Formulate hypothesis of musculoskeletal dysfunction that explain occupational performance issues.

## Course Prerequisites

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PREREQUISITES: Acceptance into the OTA program COREQUISITE:OTA 1100

## Communication Plan

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Contact me via email. Emails generally returned within 1-2 business day. Grading generally completed within 5 business days.

## Required Text or Materials

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**Title: Visible Body**

**Subtitle:** <https://slcc.pressbooks.pub/otaphysicaldysfunction/>

For more information on textbook accessibility, contact Accessibility & Disability Services at [ads@slcc.edu](mailto:ads@slcc.edu).

## Brief Description of Assignments/Exams

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Please see file “OTA 1150 – Assignments” in Canvas.

## Grading Scale

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GRADING SCALE:

95.00-100%	A	78.00-79.99%	C+	60.00-63.99	D-
90.0-94.99%	A-	75.00-77.99%	C	0-59.99%	E
87.00-89.99%	B+	71.00-74.99%	C- *	*Course retake required for C-and below	
83.00-86.99%	B	67.00-70.99%	D+		
80.00-82.99%	B-	64.00-66.99%	D		

GRADING POLICY

Students are often tempted to include information that was not requested in the prompt. For example, listing five examples when the question only asks for three. The instructor will only provide points for what was asked in the prompt. In the above example, points will be provided for only the first three answers. However, points will be decremented for incorrect information for the entire answer. In the above example, points will be decremented if any of the five answers provided are incorrect. Please, only answer the question as asked.

Assignments, objectives, due dates and point values are subject to change per instructor. Changes will be noted in the Announcement area of Canvas course site, email via Bruinmail, and/or stated in class. It is the student's responsibility to check the site frequently for updates.

Students must achieve minimum competency of skills in all courses and assignments as outlined in each course syllabi and assignment. Students who fail a quiz will be required to retake it once. If the student does not pass the retake at 75%, the student will be placed on academic probation. If the student passes the retake, the original quiz grade will stand on cumulative grading for that course. If a student cannot pass a midterm or final exam with at least a C (75%) for minimum competency, the instructor for the course has the right to require a student to complete a retake or parallel exam so the student can demonstrate competency of the material. The final grade for the course is determined on the total number of points achieved by the student. In order to pass the course, the student needs to achieve 75% of the total points available.

## How to Navigate to Canvas

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### Institutional Policies

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As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

You can access the document by clicking on the following link:

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

### Learning Support and Tutoring Services

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We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, please visit the Institutional Syllabus under the Tutoring and Learning Support tab:

<https://slcc.instructure.com/courses/530981/pages/institutional-syllabus>. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

### Advising and Counseling Support Services

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At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, please visit the Institutional Syllabus under the Advising and Counseling Support Services tab: <https://slcc.instructure.com/courses/530981/pages/institutional->

[syllabus](#). Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

## Student Academic Calendar

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As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)

## Class Schedule

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Date	Week number	Topic		Reading/Preparation	Assignments
		Cadaver Lab	Palpation Lab		
Aug 29	Week 2	Relating what we see to movement and function	<ul style="list-style-type: none"> <li>▪ Breaking down functional tasks</li> <li>▪ Introduction to Visible Body</li> </ul>	A Virtuous Circle	
Sept 5	Week 3	Muscles of the trunk	Palpating and activating the trunk		
Sept 12	Week 4	<ul style="list-style-type: none"> <li>▪ Muscles of the neck</li> <li>▪ Practice cadaver quiz</li> </ul>	<ul style="list-style-type: none"> <li>▪ Palpating and activating the neck</li> <li>▪ Practice kinesthetic analysis</li> </ul>		
Sept 19	Week 5	Cadaver quiz 1	Kinesthetic analysis of the trunk and neck		Cadaver Quiz & Kinesthetic analysis 1 (in class)
Sept 26	Week 6	Muscles of the scapula	Palpating the bones and experiencing	<ul style="list-style-type: none"> <li>▪ NA Video - Scapulothoracic joint: Structure and Function</li> </ul>	Muscles spreadsheet – Scapula

			movement of the upper extremity	▪VB – 02A – Scapular musculature	
Oct 3	Week 7	Muscles of the Shoulder	Palpating and activating the shoulder	▪ VB – 02B – Shoulder muscles	Muscles spreadsheet – Shoulder
Oct 10	Week 8	Muscles of the elbow and review	Palpating and activating the elbow	▪ VB – 02C – Elbow Musculature	Muscles spreadsheet – Elbow
Oct 17	Week 9	Review of muscles of the scapula, shoulder and elbow	Review of muscles of the scapula, shoulder and elbow		
Oct 24	Week 10	Cadaver Quiz 2	Kinesthetic analysis of the shoulder and elbow		Cadaver Quiz & Kinesthetic analysis 2 (in class)
Nov 31	Week 11	Muscles of the forearm and wrist	Palpating and activating the forearm and wrist		
Nov 7	Week 12	Muscles of the hand	Palpating and activating the hand	▪ VB – 02E – Finger and Thumb Musculature	Muscle Spreadsheet – Extrinsic Hand muscles
Nov 14	Week 13	Review of muscles of the forearm, wrist and hand	Review of the muscles of the forearm, wrist, and hand		
Nov 21	Week 14	Cadaver Quiz 3	Kinesthetic analysis of the wrist and hand		Cadaver Quiz and Kinesthetic

					Analysis 3 (in class)
Nov 28	Week 15	Muscles of the hip and knee	Palpating and activating the hip and knee		
Dec 5	Week 16	Muscles of the ankle and foot	Palpating and activating the ankle and foot	VB - 03B Ankle and Foot Muscles and Function	Muscles spreadsheet – Distal LE  Cadaver Quiz 4 (Visible Body)  Kinesthetic analysis worksheet 4 - Online
Date TBD		Cadaver Final			

## Assignment Schedule

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Due Date	Assignment Name	Assignment Type	Points
	<a href="#">Extra Credit</a>	Assignment	0
	<a href="#">Fall 2023 Course Evaluations</a>	Assignment	0
	<a href="#">Introduce Yourself</a>	Discussion	0
	<a href="#">Professionalism points</a>	Assignment	30
	<a href="#">Roll Call Attendance</a>	Assignment	

<b>Due Date</b>	<b>Assignment Name</b>	<b>Assignment Type</b>	<b>Points</b>
9/17	<a href="#">Cadaver Quiz 1 - Trunk and Neck</a>	Assignment	20
9/17	<a href="#">Kinesthetic Analysis 1 - Trunk and Neck</a>	Assignment	20
9/24	<a href="#">Muscles Spreadsheet - Scapula</a>	Assignment	20
10/1	<a href="#">Muscles Spreadsheet - Shoulder</a>	Assignment	20
10/8	<a href="#">Muscle spreadsheet - Elbow</a>	Assignment	20
10/22	<a href="#">Cadaver Quiz 2 - Scapula, shoulder and elbow</a>	Assignment	20
10/22	<a href="#">Kinesthetic Analysis 2 - Scapula, shoulder and elbow</a>	Assignment	20
10/29	<a href="#">Muscle Spreadsheet - forearm &amp; wrist</a>	Assignment	20
11/5	<a href="#">Muscle spreadsheet - Extrinsic Hand</a>	Assignment	20
11/19	<a href="#">Cadaver Quiz 3</a>	Assignment	20
11/19	<a href="#">Kinesthetic Analysis 3 - Forearm, wrist and hand</a>	Assignment	20
12/3	<a href="#">Muscle Spreadsheet - Distal LE</a>	Assignment	20
12/8	<a href="#">Cadaver Quz 4 - LE</a>	Assignment	20



<b>Due Date</b>	<b>Assignment Name</b>	<b>Assignment Type</b>	<b>Points</b>
12/8	<a href="#">Kinesthetic Analysis 4 -LE</a>	Assignment	20
12/12	<a href="#">Cadaver Final</a>	Assignment	40