

The University of Texas at Tyler
Department of Health and Kinesiology
Course Information
Spring 2024

Course Title: Motor Learning

Course Number: KINE 5307.060/001

Course Structure & Meeting Times

Date: 01/16/2024 – 5/02/2024

Date & Time: Tuesday & Thursday

Instructor Information

- **Name and Title:** Woohyoung Jeon, Ph.D., Assistant Professor of Kinesiology
- **Office location:** HPC 2245 (inside Lab at HPC 2235)
- **Email address:** wjeon@uttyler.edu
- **Office hours:**
Monday & Wednesday: 1:00 pm – 2:30 pm
by appointment (Zoom meeting available)

Textbook:

Motor Learning and Control for Practitioners (5th Edition) by Cheryl A. Coker (2017).

Course description:

This course is designed to provide students with an understanding of the psychological and neuromuscular control factors involved in the performance and learning of motor skills. The foundation of our analysis will be the study of human movement and conditions that affect it. We will experience and discuss both theoretical and experimental evidence of these factors in class. Throughout the semester, we will explore applications of motor learning in sport, physical education, and rehabilitation. Additionally, you will be tasked with writing a review paper that compiles and summarizes the current state of knowledge related to motor control and learning. Your review paper will serve to identify trends, patterns, and gaps in the existing literatures. This valuable resource will aid you in gaining a deeper understanding of your research topic and will serve as a starting point for your future research.

Student Learning Objectives: After completing this course, students will be able to:

1. Identify and discuss the major concepts related to information processing, attention, motor programs, neuromuscular control mechanisms, and constraints of motor control.
2. Apply basic motor learning principles to everyday life and activities.

3. Illustrate and explain the different stages of skill acquisition.
4. Discuss and give examples of the different learning styles.
5. Outline/explain the methods used for developing and implementing motor learning.
6. Incorporate technology to orally present research related to the field.
7. Effectively collaborate with others to accomplish assigned tasks.

Assessment and Measurement:

Student performance in this course will be assessed by Online Post Chapter Quizzes, Literature Review, and TEST 1,2,3 as follow:

Online Post Chapter Quizzes	10%
Literature Review (Review Paper + Presentation)	15 %
Test 1	25%
Test 2	25%
Test 3	25%
Total	100%

Grading will be based on the following scale (no round-off calculation):

A	90% ≥	PASS
B	75% ≤ < 90%	
C	60% ≤ < 75%	
D	50% ≤ < 60%	FAIL
F	< 50%	

Canvas Work: All assignments posted in Canvas are meant to be completed by their posted due date. These include quizzes and various other types of assignments. You will need to *be prepared* for each class meeting by completing that week’s online work ahead of time. I will communicate with you through Canvas (using Email, on Modules, and Announcements) to help keep you on schedule throughout the semester.

KINE 5307 Course Schedule (Spring 2024)

Date	Topic	Textbook Chapter
1/16	Introduction to Motor Learning and Control	1
1/18	Understanding Movement Preparation	2
1/23	Review paper topic due	
1/25	The Role of Attention, Arousal and Visual Search	3
1/30	Behavioral Theories of Motor Control	4
2/6	Review paper (Heading & Subheading) due	
2/8	TEST 1	

2/13	Neural Mechanisms: Contributions and Control 1	5
2/15	Review paper writing (Intro)	
2/20	Neural Mechanisms: Contributions and Control 2	5
2/22	Review paper writing (Body 1)	
2/27	Neural Mechanisms: Contributions and Control 3	5
3/5	Review paper writing (Body 1,2,3)	
3/11- 3/15	<i>Spring Break</i>	
3/19	TEST 2 (cumulative)	
3/26	Review Paper: 1st Draft Due (Intro+Body+Conclusion)	
3/28	Review Paper: A Mock Review	
4/2	Review Paper: Comments and Feedback Due	
4/4	Method: Statistical Design	
4/9	Stages of Learning	6
4/11	Review paper writing (revision 1)	
4/16	The Learner: Pre-Instruction Considerations	7
4/18	Review paper writing (revision 2)	
4/23	Skill Presentation	8
4/25	Review paper writing (revision 3)	
4/30	Review Paper: Submission Due	
5/1	FINAL TEST (cumulative)	
5/4	Presentation (Review Paper Topic)	

Course Policies and Expectations:

Professionalism: Students are expected to arrive on time for class. It is expected that students will display a professional attitude at all times, including being attentive during lectures and being respectful to the instructor and fellow classmates. No cell phone use during lecture!

Attendance: Students are expected to attend all classes and are responsible for any material missed. Your success in this class will depend on your attendance and the effort you put forth, both online and in person.

Missed class: Students who miss class, regardless of the reason, are expected to take the initiative to obtain notes and/or homework from a fellow student who attended that class.

Make-up: All online assignments have firm due dates. You'll have access to these for at least three days prior to the due date. Any work turned in after the deadline will receive a **zero** for a grade. If you need a make-up for personal reasons, contact me at least a week before. I will work with you to make appropriate arrangements.

Classroom Accommodations: The University of Texas at Tyler provides, upon request, appropriate academic accommodations for qualified students with

disabilities. For more information, contact Disability Services Office at 903-566-7079 or <https://www.uttyler.edu/disability-services/request/>. If this office certifies your need, I will work with you to make all appropriate arrangements.

Learner Support:

The University of Texas at Tyler provides institutional support services essential to learner success.

[Student Resources for Hybrid and Online Courses](#) is available for technical support. [Student accessibility and resources](#) are available through The UT Tyler Office of Student Accessibility and Resources (SAR). The office provides students equal access to all educational, social, and co-curricular programs through coordination of services and reasonable accommodations, consultation and advocacy.

[UT Tyler PASS Tutoring Center](#) (University Center, 3114) is a free walk-in tutoring center, with an individual appointment option, for current UT Tyler students. Currently support for 20 courses is being offered in a variety of subjects.

Student

[UT Tyler Student Services](#) provides support and opportunities that maximize a student's ability to benefit from the academic environment through accessibility, professional counseling, recovery, wellness and testing services. The support services encourage personal responsibility and healthy decision-making that contribute to lifelong learning.