Motor Learning and Performance

  

**Lecture Instructor:** Kirk Grand, Ph. D. & Marcos Daou, M.S.

**Email:** kfg0005@auburn.edu & mzd0046@auburn.edu

**Office Hours:** Tuesday 9:00 PM – 11:00 AM (Marcos by appointment only)

**Office Location**:Kinesiology Building 107 for Kirk and 138 for Marcos

**Lecture Meeting:** M/W/F, 12:00-12:50 PM and T/R 12:30-1:45 PM STAC 241

**Lab Meeting:** Check Section Online

**Course Number:** KINE 3650

**Credit Hours:** 4.000

**Prerequisites:** None

**Texts/Resources:** Schmidt, R. A., & Lee, T. D. (2014). *Motor Learning and Performance* (5th ed.). Champaign, IL: Human Kinetics.

**Course Description:** Understanding of the basic psychological processes in learning and control of skillful human movement.

**Learning Outcomes:** Students will be able understand to the psychological basis of motor learning and performance as well as apply this knowledge to facilitate learning and performance.

**Course Content**

|  |  |  |
| --- | --- | --- |
| Unit | Topic and Reading | Readings/Assessments |
| One | **Introduction****Processing Information and Making Decisions** **Attention and Performance**  | **Chapters 1 – 3** |
| Two  | **Sensory Contributions to Skilled Performance****Motor Programs** | **Chapters 4 – 5** |
| Three  | **Principles of Speed, Accuracy, and Coordination** **Individual Differences**  | **Chapters 6 – 7/Midterm (TBD)** |
| Four  | **Introduction to Motor Learning****Skill Acquisition, Retention, and Transfer** | **Chapters 8 – 9** |
| Five | **Organizing and Scheduling Practice****Augmented Feedback** | **Chapters 10 – 11** |
|  |  | **Final Exam (TBA)** |

**Assessments:**

Exams

There will a midterm and final exam. The exams will be weighted equally. The final exam will ask questions related to material covered after the midterm. If you are absent from class the day on which an exam is occurring for ‘unexcused reasons,’ then you may not have the opportunity to complete the exam and, thus, could receive a grade of zero. If you have an excused lateness or absence, then you will be able to take a make-up exam.

Lab

LAB PARTICIPATION IS MANDATORY! The grade is attendance based and there will be NO makeup labs.

Lab will be and hands on experience with the goal of facilitating the learning of material you cover in lecture and introduce you to techniques unique to motor learning research.

In addition to the lab requirement for the class you will also be required to participate in 6 SONA research credits or to develop a hypothetical research project.

Information about labs will be provided by the lab instructor, Amber Leiker, M. Ed. (aml0035@auburn.edu), Anupriya Pathania (azp0077@auburn.edu), and Megan Irwin (jmi0002@auburn.edu) at the first lab meeting

Reading quizzes and chapter assignments

For each chapter there will be a reading quiz or an assignment given before the start of lecture for that chapter. The quizzes will be on canvas and will be a mix of multiple choice and short response.

**Grading:**

Assignments contribute as follows to final class grade:

 Exams 60%

 Quizzes 10%

 Lab Assignments 30%

Percentages will be associated with the following letter grades:

 A: 90.0% ≤

 B: 80.0% ≤

 C: 70.0% ≤

 D: 60.0% ≤

 F: 60.0% >

**Class Policies:**

Attendance: while attendance isn’t mandatory there will be occasional comprehension quizzes given in lecture. These will be at the discretion of the instructor and will be used to assess the general understanding of the material and to monitor daily attendance. These will benefit you in two ways **1)** if the quiz performance reveals that the material wasn’t presented clearly or is tricky to understand more time can be spent on the given topic **2)** the responses will be collected and used for attendance purposes with the summation of the points being added to the midterm and final exam.

Excused Absences: Students are granted excused absences from class for the following reasons: illness of the student or serious illness of a member of the student’s immediate family, the death of a member of the student’s immediate family, trips for student organizations sponsored by an academic unit, trips for university classes, trips for participation in intercollegiate athletic events, subpoena for a court appearance, and religious holidays. Students who wish to have an excused absence from class for any other reason must contact Dr. Grand in advance of the absence to request permission. Dr. Grand will weigh the merits of the request and render a decision. When feasible, the student must notify Dr. Grand prior to the occurrence of any excused absences, but in no case shall such notification occur more than one week after the absence. Appropriate documentation for all excused absences is required. Please see the *Tiger Cub* for more information on excused absences.

Make-Up Policy: Students are only guaranteed the opportunity to make up assignments due to excused absences (i.e., students are not guaranteed the opportunity to make up assignments due to unexcused absences). Arrangement to make up assignments due to properly authorized excused absences must be initiated by the student within one week of the end of the period of the excused absences(s). Except in unusual circumstances, such as the continued absence of the student or the advent of university holidays, a make-up assignment will take place within two weeks of the date that the student initiates arrangements for it.

Academic Honesty Policy: All portions of the Auburn University student academic honesty code (Title XII) found in the *Tiger Cub* will apply to KINS 7750. All academic honesty violations or alleged violations of the SGA Code of Laws will be reported to the Office of the Provost, which will then refer the case to the Academic Honesty Committee.

Disability Accommodations: Students who need special accommodations in class, as provided by the Americans with Disabilities Act, should arrange for a confidential meeting with Dr. Grand during office hours in the first week of classes (or as soon as possible if accommodations are needed immediately). The student must bring a copy of their Accommodations Letter and an Instructor Verification Form to the meeting. If the student does not have these forms, they should make an appointment with the Program for Students with Disabilities, 1288 Haley Center, 844-2096 (V/TT).

Course Contingency: If normal class is disrupted due to illness, emergency, or crisis situation, the syllabus and other course plans and assignments may be modified to allow completion of the course.

Professionalism: As faculty, staff, and students interact in professional settings, we are expected to demonstrate professional behaviors as defined in the College’s conceptual framework. These professional commitments or dispositions are listed below:

* Engage in responsible and ethical professional practices
* Contribute to collaborative learning communities
* Demonstrate a commitment to diversity
* Model and nurture intellectual vitality