

George Mason University
College of Education and Human Development
[Athletic Training Education Program]

ATEP 575.201 – AT Clinical Techniques 3

3 Credits, Spring 2022

T/TH 6:45pm-9:25pm SciTech (PW): Katherine Johnson Hall 148*

**location may change*

Faculty

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Prerequisites

Admission to the Professional Masters ATEP and a grade of B- or better in the following courses: ATEP 530, ATEP 540, ATEP 545, ATEP 550, ATEP 555

Co-requisite

ATEP 560, ATEP 566, ATEP 575, ATEP 600

University Catalog Course Description

Applies principles of upper body, head and neck physical assessment. Develops evaluation skills including special testing leading to diagnosis.

Course Overview

Not Applicable.

Course Delivery Method

This clinical techniques laboratory course will be taught in the Athletic Training Clinical Simulation Laboratory.

Learner Outcomes or Objectives

The course is designed to enable students to do the following:

1. Describe mechanisms of upper body, head, neck and spine injuries, including the etiology, pathogenesis, pathomechanics, signs, symptoms, and epidemiology of these conditions
2. Define functional human anatomy, physiology and kinesiology relative to mechanisms of injury
3. Identify signs and symptoms of upper body, head, neck and spine injuries

4. Choose appropriate medical terminology and documentation to record injuries and illnesses (e.g., history and examination findings, progress notes, and others)
5. Describe specific sport and/or position requirements relative to the return of an injured athlete to activity following injury
6. Practice basic principles of acute management of upper body, head, neck and spine conditions and injuries
7. List the goniometric measurements of the upper body, and spine,
8. Administer neurological testing of the upper body, head, neck and spine,
9. Employ muscle testing of the upper body, head, neck and spine,
10. Synthesize the literature to develop an evidence-based research project (to include but not limited to case study, clinical research project, literature review), and
11. Critically appraise upper body, head, neck and spine evaluation techniques/interventions.

Professional Standards

Upon completion of this course, students will have met the following professional standards: The course meets Commission on Accreditation of Athletic Training Education (CAATE) competencies and proficiencies in one or more of the following content areas: evidence-based practice, prevention and health promotion, clinical examination and diagnosis, acute care of injury and illness, therapeutic interventions, psychosocial strategies and referral, healthcare administration, professional development and responsibility

Required Texts

1. Starkey C, Brown SD, Ryan J. Examination of Orthopedic & Athletic Injuries. 4th Ed. Philadelphia, PA: FA Davis; 2015.
2. Starkey C, Brown SD, Ryan J. Orthopedic and Athletic Injuries Examination Handbook. 3rd Ed. Philadelphia, PA: FA Davis; 2015.
3. Hoppenfeld, S: Physical Examination of the Spine and Extremities. Upper Saddle River, NJ: Prentice Hall; 1976

Recommended Texts

1. Biel, A. (2014). Trail Guide to the Body, 5th Edition. Boulder, CO: Books of Discovery

Course Performance Evaluation

Students will be evaluated on content standards (knowledge gained) and psychomotor competency performance (demonstration of the skill content). Content standards and psychomotor skills will be assessed via practical skill demonstrations (Competency Evaluations) and a comprehensive practical examination. Class participation will be assessed through completion of daily class activities.

- **Competency Assessment**

Performance will be assessed through completion of cognitive and psychomotor competency examinations.

- **Comprehensive Practical Examination**
One comprehensive practical examination will be administered. The examination will require a demonstration of content knowledge and psychomotor skill gained throughout the entire semester.
- **Evidence Based Critical Presentation** – Students will be expected to critically review and present information regarding a clinical assessment for an assigned upper body, head, or neck injury

Grading Scale

ASSESSMENT METHOD	NUMBER	POINTS	POINTS
Class Participation	----	25	25
In-Class Assignments/Lab Workbook	----	125	125
Competency Evaluations	2	75	150
Comprehensive Practical Exam	1	100	100
Video Presentation (group project)	1	75	75
Professional Behavior, Codes of Ethics, Attendance & Promptness	1	25	25
TOTAL	—	—	500

The student's final letter grade will be earned based on the following scale:

A: 465 – 500 pts. (93%)	C+: 385 – 399 pts. (77%)
A-: 450 – 464 pts. (90%)	C: 365 – 384 pts. (73%)
B+: 435 – 449 pts. (87%)	C-: 350 – 364 pts. (70%)
B: 415 – 434 pts. (83%)	D: 315 – 349 pts. (63%)
B-: 400 – 414 pts. (80%)	F: < 315 pts. (0-59%)

Course Expectations Related to COVID-19:

Please be aware that the situation regarding COVID-19 is frequently changing, and the delivery method of this course may change accordingly, including from in-person to online. Regardless of the delivery method, the learning goals and outcomes of the course will not change; though the mode of delivery, participation, and testing method may change.

- All students are required to take **Safe Return to Campus Training** prior to visiting campus; Training is available in Blackboard.
- Students are required to follow the university's public health and safety precautions and procedures outlined in the university Safe Return to Campus webpage.
- All students in face to face and hybrid courses must also complete the Mason COVID Health√ daily, seven days a week.
- Course Attendance: CEHD instructors will work with students to find reasonable opportunities to make up class work or assignments missed due to documented illness. If

you are quarantined or otherwise need to miss class because you have been advised that you may have been exposed to COVID-19, you will be expected to develop a plan to keep up with your coursework during any absences. If you become ill with COVID-19, you should follow the steps outlined in university Safe Return to Campus policy: <https://www2.gmu.edu/safe-return-campus/personal-and-public-health>. Begin by contacting your instructor for guidance. For further assistance, students may contact their program and the CEHD Office of Student and Academic Affairs (cedhsaa@gmu.edu).

- **Face Coverings:** All members of the GMU academic community are required to follow all university guideline for personal safety with face coverings, physical distancing, and sanitation. Face coverings are required in class and in all GMU buildings. Face coverings should be worn to cover the nose and mouth and be close fitting to the face with minimal gaps on the sides. In addition, students are responsible for keeping their course/work area clean.
- **Course Meeting Schedule:** Delivery method of this course may change. Be sure to pay attention to any updates to the course schedule as the information in the syllabus may change.
- **Classroom Setting:** Please sit in the same seat when possible and take note of who is sitting around you; instructor may assign group seating/pods for this purpose.
- **Electronically Hosted Components:** Components of this class may be live or recorded for future use. CEHD course activities and assignments may regularly use web-conferencing software (Blackboard/Zoom). In addition to the requirements above, students are required to have a device with a functional webcam and microphone. In an emergency, students can connect through a telephone call, but video connection is the expected norm.

- **MAKE UP WORK**

Students who are absent or who arrive late without an official university or a medical doctor's excuse may miss quizzes or other in-class activities. There will be no make-up quizzes or exams unless an excused absence has been warranted. Students who miss an examination quiz or other class activity because of an excused absence must complete the assignment on their first time back in class. All make-up work must be completed by the last day of class unless other approved arrangements are made. It is the student's obligation to pursue any make-up work.

- **Class Participation & Professionalism**

Attending, being prompt, active participation and respect for peers and instructors are important components of this course. Therefore students will lose credit for not attending and contributing to the class. Unexcused absence will result in a point reduction of the student's final grade. Each late arrival will result in 1 point reduction of the student's final grade. If a student arrives more than 20 minutes after the beginning of class, it will be recorded as an unexcused absent event if the student attends the class.

- **Dress**

During the laboratory section of the course, students will be asked to wear appropriate clothing to expose various body parts for the purposes of practicing the application of various emergency medical procedures. Tank tops and sports bras/bathing suit tops will be required when topics focus on the upper body. Shorts will be required when topics focus on the lower body.

- **Assignments**

Late assignments will not be accepted. Assignments should be submitted at the beginning of the class meeting on the due date. Late assignment will result in a zero (0) for the assignment. This applies to electronic submissions as well. Your name (first name last name) MUST be on your papers when you turn them in. Failure to put your name on your paper will result in a zero (0) for the assignment.

- **Technology Use During Class**

As per GMU policy, all sound emitting technology is required to be turned off during the lecture and laboratory class meeting times. Additionally, no laptop computers or tablets will be permitted for use during class time; the exceptions are for use during presentations/projects, and technology deemed as necessary by the Office of Disability Services. Students utilizing various technology devices during class will be asked to leave class and will not be permitted to complete course work or receive any points for assignments that day.

Professional Dispositions (Behavior, Codes of Ethics, Attendance & Promptness)

Students are expected to exhibit professional behaviors and dispositions at all times. It is critical each student conduct themselves in an appropriate manner and decorum fitting of a health care provider within and outside class. Making light of injuries, conditions, or illnesses that is not respectful to the class, instructor, or patient study will not be tolerated. Submission of documents or assignments should not include personal identifiable information and comply with Health Insurance Portability & Accountability Act (HIPAA) regulations. If you choose to be a part of a professional organization or club i.e. National Athletic Trainers' Association, GMU Athletic Training Club, etc.; you will be expected to act and perform your duties according to those organizational values or code of ethics. <https://cehd.gmu.edu/students/polices-procedures/>.

- **Attendance**

Students are expected to be on time, attend all class meetings, and be prepared for in class assignments and projects. Excused absences include the following: illness (must bring a receipt or note from a doctor), family death, athletic/academic event (contact instructor in advance), and others at the discretion of the instructor. For known upcoming absences, students must contact the instructor at least **one** week in advance to the missed class to make up work. In the case of illness or some other unforeseen absence, the student must contact the instructor via e-mail or telephone the same day of the absence. At the next attended class meeting the student will discuss material that is to be completed with the instructor. *Students will have one week from the excused absence to complete any missed assignments.* It is the student's obligation to pursue any

make-up work.

- **E-Mail Correspondence**

Only messages that originate from a George Mason University address will be accepted; thus your e-mail address must end in gm.u.edu. The instructor will not read e-mail messages not originating from a GMU account. Also, when corresponding with any professional at GMU or off campus via e-mail, use the following, appropriate professional format; any e-mail not using this format will be returned to the students for revision before a response will be issued:

Dear Dr. Z or Dr. Ismaeli (Beginning salutation)

I am really enjoying your class... (Body text)

Regards, (Ending Salutation)

(Your name: first name last name)

- **Responsibility/Accountability/Honesty/Integrity**– Professionals take responsibility for their actions and are accountable. This can occur at multiple levels but generally consists of being on time, completing assignments on time, submitting work that is of the appropriate quality, honoring commitments and owning up to mistakes. Students are expected to interact with the instructor and classmates in appropriate, respectful and civil behaviors. Professionals keep their word when committing to something and act in an ethical and respectful manner. See George Mason University policy for further guidance.
- **Professionalism evaluation** – *Any professionalism violation will be documented by the instructor. Violations will result in a 1-point deduction from the final point total at the discretion of the instructor.*

Class Schedule

Date			Topic	Readings/Assignment Due
M	Jan	10	INTRODUCTION Head, Face & Related Structures Cranial Nerves	Starkey: Chapter 20 (selected sections) Supplemental Readings (SR) *
TH	Jan	13	Head, Face & Related Structures	Starkey: Chapter 18-19*
M	Jan	17	Head, Face & Related Structures MLK DAY- NO CLASS	Starkey: Chapter 18-19*
TH	Jan	20	Cervical and Thoracic Spine	Starkey: Chapter 14* HF: Chapter 4
M	Jan	24	Cervical and Thoracic Spine	Starkey: Chapter 14* HF: Chapter 4
TH	Jan	27	Cervical and Thoracic Spine	Starkey: Chapter 14* HF: Chapter 4
M	Jan	31	Shoulder and Upper Arm	Starkey: Chapter 15 Hoppenfeld: Chapter 1*
TH	Feb	3	Shoulder and Upper Arm	Starkey: Chapter 15 Hoppenfeld: Chapter 1
M	Feb	7	Shoulder and Upper Arm	Starkey: Chapter 16 Hoppenfeld: Chapter 2*
TH	Feb	10	Competency Evaluations #1 Elbow and Arm	Starkey: Chapter 16 Hoppenfeld: Chapter 2*
M	Feb	14	Elbow and Arm	Starkey: Chapter 16 Hoppenfeld: Chapter 2*
TH	Feb	17	Elbow and Arm	Starkey: Chapter 17 Hoppenfeld: Chapter 3*
M	Feb	21	Wrist and Hand	Starkey: Chapter 17 Hoppenfeld: Chapter 3*
TH	Feb	24	Wrist and Hand	Starkey: Chapter 17 Hoppenfeld: Chapter 3*
M	Feb	28	Wrist and Hand	Starkey: Chapter 17 Hoppenfeld: Chapter 3*
TH	Mar	3	Competency Evaluations #2	
M	Mar	7	Review	LAST DAY OF CLASS
TH	Mar	10	Cumulative Final Exam	
M	Mar	14	Beginning of Spring Break	

Note: Faculty reserves the right to alter the schedule as necessary, with notification to students.

Core Values Commitment

The College of Education and Human Development is committed to collaboration, ethical leadership, innovation, research-based practice, and social justice. Students are expected to adhere to these principles: <http://cehd.gmu.edu/values/>.

GMU Policies and Resources for Students

Policies

- Students must adhere to the guidelines of the Mason Honor Code (see <https://catalog.gmu.edu/policies/honor-code-system/>).
- Students must follow the university policy for Responsible Use of Computing (see <http://universitypolicy.gmu.edu/policies/responsible-use-of-computing/>).
- Students are responsible for the content of university communications sent to their Mason email account and are required to activate their account and check it regularly. All communication from the university, college, school, and program will be sent to students **solely** through their Mason email account.
- Students with disabilities who seek accommodations in a course must be registered with George Mason University Disability Services. Approved accommodations will begin at the time the written letter from Disability Services is received by the instructor (see <http://ods.gmu.edu/>).
- Students must follow the university policy stating that all sound emitting devices shall be silenced during class unless otherwise authorized by the instructor.

Campus Resources

- Support for submission of assignments to Tk20 should be directed to tk20help@gmu.edu or <https://cehd.gmu.edu/aero/tk20>. Questions or concerns regarding use of Blackboard should be directed to <http://coursesupport.gmu.edu/>.
- For information on student support resources on campus, see <https://ctfe.gmu.edu/teaching/student-support-resources-on-campus>

Student Acknowledgement of Syllabus

I, _____, (*Print First and Last Name*) by signing below, attest to the following:

- *I have read the course syllabus for ATEP 575 in its entirety, and I understand the policies contained therein. This syllabus serves as an agreement for ATEP 575 between me and the instructor.
- *I have a clear understanding of the due dates for assignments and examinations, and I accept responsibility for the material.
- *I am aware that failure to submit assignments by the dates assigned will result in no points awarded as late work will not be accepted.
- *I understand the instructor reserves the right to alter the provided schedules as necessary and I am responsible for the assignments and examination dates for the most current version of the syllabus schedule.
- *I accept responsibility for reading announcements that are sent to me via e-mail through Blackboard; it is my responsibility to access Blackboard e-mail for announcements and assignments.

Signature _____ Date _____

(Student Copy: This copy should remain attached to your syllabus)

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- *I understand the instructor reserves the right to alter the provided schedules as necessary and I am responsible for the assignments and examination dates for the most current version of the syllabus schedule.
- *I accept responsibility for reading announcements that are sent to me via e-mail through Blackboard; it is my responsibility to access my Blackboard e-mail for announcements and assignments.

Signature _____ Date _____

(Instructor Copy: Submit to the instructor at the end of the first class meeting)