

Athletic Training Program

AT 504 – CLINICAL EDUCATION IV

Department of Physical Therapy and Athletic Training

Fall 2021

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Office Hours:
By appointment only

Credit Hours: 3

Course Prerequisites: Admittance to MS-AT program

Mode of Instruction: Online

Course Description:

The purpose of this course is for students to gain competence with clinical and professional skills through clinical education experiences. While in the course, students will review and be assessed on their ability to perform specific core competencies required by the MS-AT program and our professional accrediting body, the CAATE.

Student Learning Outcomes:

Upon successful completion of AT 504, the graduate student will be able to:

1. demonstrate competency in the skills associated with this course (*504A-504K*)
2. demonstrate comprehension of athletic training domain content (*quizzes and BOC Self-Assessment Exam*)
3. illustrate the qualities associated with being a 3rd semester MS-AT student (professionalism, communication, work ethic, engagement/participation) (*semester evaluations by Clinical Preceptor [CP] and reflective journals*)
4. identify the roles and responsibilities of an athletic training student (*clinical rotation and reflective journals*)
5. develop and attain student-specific goals related to being a 3rd semester MS-AT student (*semester evaluations by CP and reflective journals*)

Required Textbooks:

1. Purchase a minimum of one Self-Assessment Exam from the BOC
Available at: <https://bocatc.org/candidates/exam-preparation-tools/self-assessment-exams/self-assessment-exams>).
Self-Assessment Exam MUST be a “TEST MODE” version (not study mode) in order to receive a results page.
2. Van Ost L, Feirman KL, Manfre K. *Athletic Training Exam Review: A Student Guide to Success 6th ed*; Thorofare, NJ: Slack Publishing. 2017. ISBN: 978-1-63091-364-9

Students must purchase a **NEW** copy of the text in order to have access to the online quizzes associated with this text and class.

Course Structure:

It is the responsibility of the student to initiate the review and discussion of the course proficiency evaluations. Any questions or concerns regarding the Clinical Site or Clinical Preceptor at that site need to be directed to the appropriate Clinical Coordinator.

Course Evaluation:

This course is graded **PASS/FAIL**. Each item in the specific areas (1-6 below) must be attempted and meet the criteria described. In addition, students must attain an **overall minimum of 70% to pass this course**.

1. **Competencies (SLO 1) 34%** - Suggested completion of competencies are presented in the course schedule. The MS-AT student is responsible for planning review and discussion of the competencies with their CP. By the end of the semester, **12/3/21 by 11:59 pm**, all competencies need to be evaluated as “Competent” in Typhon by your CP. If all competencies are not marked “Competent”, as of 12/3/21 at 11:59 pm, you will not pass this clinical course.
2. **Quizzes (SLO 2) 39%** - Thirteen timed quizzes. The first 8 quizzes are approximately 50 random questions that are pulled from the questions in your Van Ost text; you will have 60 minutes per quiz on Bb Learn. You may take each quiz (the first 8) up to 3 times. Quizzes 9-13 will involve practice exams from the SLACK website that is associated with your Van Ost textbook (<https://www.healio.com/books/slackexams/atexam6>). You may only take quizzes 9-13 one time. After you have completed the assigned SLACK website practice quizzes (quizzes 9-13), please screenshot your computer screen, showing completion of the exam, and upload that screenshot in Bb Learn under the Quizzes Tab. To ensure you are making an authentic effort on each quiz in honest preparation for your BOC Exam, the following parameters are set on the quizzes. **It is strongly encouraged that you prepare prior to taking your first attempt, and do not use the book or other sources when taking the exam.**
 - You must complete, at minimum, one quiz/exam attempt prior to the posted due date (Sundays at 11:59 pm). You may miss one quiz deadline. If you miss one quiz deadline, you will still have to complete the quiz you missed within 48 hours of the missed deadline. Failure to complete the missed quiz within 48 hours will result in a failing grade for the course. If you miss two quiz deadlines, you will fail this course.

3. **BOC Self-Assessment Exam (SLO 2) 6%** – You are required to complete at MINIMUM 1 practice BOC Self-Assessment Exam provided to future AT candidates. They are intended to assess your competence and provide guidance on areas needing additional review to enhance your chance of first time BOC Exam Success. Complete one “Test Mode” Self-Assessment Exam (see link on page 1) independently by 12/3/21. Submit a screen shot of the exam results in Bb Learn. Late submission will not be accepted and will result in a grade of ‘Incomplete’ (I) for this course. Furthermore, to ensure your progressing toward BOC success, a score of 70% (averaged across all the test domains) must be achieved on the independent Self-Assessment Exam to pass this class. If you receive less than 70% you will receive an ‘Incomplete’ (I) for the course and will need to postpone taking the NATA-BOC examination until June (or first date available after the 2022 NAU spring commencement). It is encouraged that you take your exam early enough to allow for additional attempts as needed, potentially avoiding an ‘I’, delayed BOC exam dates or graduation. The incomplete (I) will be removed once you receive a score of 70% or greater on a retake during the Spring semester. Remember, the purpose of this exam is to provide an objective measure of your strengths and weaknesses in the 5 AT Domains and allow you to strengthen identified weaknesses prior to the actual BOC exam.
4. **Preceptor Evaluations (SLO 3-5) 6%** - Pre-, Mid-, and End-of-Semester Evaluations by the assigned CP. These evaluations are housed in the Typhon system, and will be completed by your clinical preceptor prior to the scheduled due dates. Students are expected to meet with their CP at three different times during the semester to discuss these evaluations.
 - Three CP evaluations of the MS-AT student are required to be submitted by the due dates below. These evaluations are integral to your reflective learning and are absolutely required, even if submitted late which will be required if you miss the due date. However, if you miss more than one due date, you will receive a failing grade for the course. Again, pay attention to details and plan ahead.
 - In addition, unsatisfactory scores on the end-of-semester evaluation may result in a failing grade for this course. If problems arise at your clinical site, address them early and do not wait till the end of or after the semester.
 - Pre-semester evaluation – August 29th, 2021 by 11:59pm
 - Mid-semester evaluation – October 10th, 2021 by 11:59pm
 - End of semester evaluations (CP of MS-AT student, MS-AT student of CP, and MS-AT student of clinical site) – December 3rd, 2021 by 11:59pm
5. **Reflective Journals (SLO 3-5) 10%** - Journal entries are due through Bb Learn on specified Sundays by 11:59pm. The journals are to be reflective of the week’s experiences to stimulate critical thinking processes concerning the integration of didactic skills with clinical practice.
 - The reflective journal may be a place for you to reflect on issues with CPs and clinical sites, but please also report all potential issues with your CP and/or clinical site. If the issue is not resolved after speaking with your CP, please contact your assigned clinical coordinator.
 - The information in your journal will not be shared directly with CPs and feedback will be given weekly by the course instructor.
 - Include daily hours along with a total for the week.
 - Repeated failure to be reflective will not be accepted and will be recorded as a non-submission.
 - Journal deadlines may only be missed once, but all journals must be completed.
 - If a submission deadline is missed, the student has 48 hours to submit the late journal (by Tuesday at 11:59 pm).
 - More than 1 late journal submissions will result in a failing grade in the course.

- You may only miss the 48-hour deadline once during the semester. More than one missed 48-hour deadline will result in a failing grade in the course.

6. **Patient Encounters: (SLO 4) 5%** – 70 patient encounters are required to be reported in the Typhon system. It is recommended that you submit at least 3-4 patient encounters per week. Failure to complete all 70 patient encounters by 12/3/21 will result in a failing grade for the course. Please pay close attention to the types of conditions and patient populations that you are required to evaluate/have exposure to during the MS-AT program, and enter these conditions/exposures as patient encounters.

Patient Populations (Clinical Practice Opportunities)	Conditions Commonly Seen In Athletic Training
Populations throughout the lifespan (for example: pediatric, adult, elderly)	Emergent conditions
Populations of different sexes	Behavioral (Mental Health) conditions
Populations with different socioeconomic statuses	Musculoskeletal conditions
Populations with varying levels of activity and athletic ability (for example: competitive and recreational, individual and team activities, high and low intensity activities)	Neurological conditions
Populations who participate in non-sport activities (for example: participants in military, industrial, occupational, leisure activities, performing arts)	Endocrine conditions
	Dermatological conditions
	Cardiovascular conditions
	Respiratory conditions
	Gastrointestinal conditions
	Genitourinary conditions
	Otolaryngological conditions
	Ophthalmological conditions
	Dental conditions
	Environmental conditions

7. **Attendance / Participation (SLO 3-5)** – Students are expected to spend from 20-40 hours per week at their clinical sites. Averaging more than 40 or less than 20 hours per week may have a negative effect on your education and course success. More than 2 unexcused (> 3) absences at the clinical site during the semester will result in course failure. Also notify your CP, clinical coordinator, and faculty member prior to missing a schedule date or time at your clinical placement.

Grading System:

	Points @ Each	Total	Percent
Competencies	4 @ 36	144	34%
Weekly Quizzes	12.5 @ 13	162.5	39%
BOC Self-Assessment Exam	25 @ 1	25	6%
Evaluations	5 @ 5	25	6%
Reflective Journals	5 @ 8	40	10%
Patient Encounters	0.30 @ 70	21	5%

University Policies:

Visit the University's website regarding COVID-19 Policies, Academic Integrity, Nondiscrimination and Anti-Harassment, and Accessibility via the Student Handbook Policies at: <https://nau.edu/wp-content/uploads/sites/26/Syllabus-Policy-Statements.pdf>

Withdrawal Policy – *Please use the following link for drop/add and withdrawal dates:*
<https://in.nau.edu/registrar/important-dates/>

Academic Contact Hour Policy –

Based on the Arizona Board of Regents Academic Contact Hour Policy (ABOR Handbook, 2-224), for every unit of credit, a student should expect, on average, to do a minimum of three hours of work per week, including but not limited to class time, preparation, homework, studying.

Tentative Course Schedule				
Date	Topics			
	Quizzes	Journals	Evaluations	Competencies
Aug 29	Quiz #1 Prevention (pg 9-24)		Pre-semester evaluation	
Sept 5	Quiz #2 Clinical Evaluation and Diagnosis (pg 24-42)	Journal #1		
Sept 12	Quiz #3 Immediate and Emergency Care (pg 42-57)	Journal #2		
Sept 19	Quiz #4 Treatment and Rehabilitation (pg 57-79)	Journal #3		
Sept 26				Block 1 reviewed by you and CP (504B, D, G, H, I, J)
Oct 3	Quiz #5 Organizational and Professional Health and Well-Being (pg 79-96)	Journal #4		
Oct 10	Quiz #6 Anatomy and Physiology (pg 96-103)	Journal #5		
Oct 17	Quiz #7 Exercise Physiology, Biomechanics, and Psychology (pg 103-109)		Mid-semester evaluation	
Oct 24	Quiz #8 Nutrition, Pharmacology, and Physics (pg 114-120)			Block 2 reviewed by you and CP (504A, C, K)
Oct 31	Quiz #9 Video Segments and Testlet Questions Practice Exam – SLACK Website; Review Ch. 5 in Van Ost Text (pg 153-162)	Journal #6		
Nov 7	Quiz #10 Critical Thinking Practice Exam - SLACK Website; Review Ch. 6 in Van Ost Text (pg 163-170)	Journal #7		
Nov 14	Quiz #11 Applied Decision Making Practice Exam – SLACK Website; Review Applied Decision Making in Van Ost Text (pg 131-152)			Block 3 reviewed by you and CP (504E, F)
Nov 21	Quiz #12 True/False Practice Exam AND Drag and Drop Practice Exam – SLACK Website; Review Anatomy in Van Ost Text True/False Questions (pg 127-129)			
Nov 28	Quiz #13 Knowledge Assessment Practice Exam – SLACK Website; Review of Van Ost Text (pg 9-125) No True/False questions	Journal #8		
Dec 3	BOC Practice Exam Completion Document Uploaded		End-of-semester evaluations	All competencies evaluated “Competent” in Typhon by CP

AT 504 Competencies Instructed or Evaluated in this Course			
Course Item	CAATE Standard Number	Standard Text	
504A	58		Incorporate patient education and self-care programs to engage patients and their families and friends to participate in their care and recovery.
504B	59		Communicate effectively and appropriately with clients/patients, family members, coaches, administrators, other health care professionals, consumers, payors, policy makers, and others
504C	63		Use systems of quality assurance and quality improvement to enhance client/patient care.
504D	69		Develop a care plan for each patient. The care plan includes (but is not limited to) the following: - Assessment of the patient on an ongoing basis and adjustment of care accordingly - Collection, analysis, and use of patient-reported and clinician-rated outcome measures to improve patient care - Consideration of the patient's goals and level of function in treatment decisions - Discharge of the patient when goals are met or the patient is no longer making progress - Referral when warranted
504E1	70	Demonstrate ability to evaluate and manage patients with acute conditions, including triaging conditions that are life threatening or otherwise emergent. Specifically, the AT student demonstrates the ability to evaluate and manage the following condition:	Cardiac compromise (including emergency cardiac care, supplemental oxygen, suction, adjunct airways, nitroglycerine, and low-dose aspirin)
504E2			Respiratory compromise (including use of pulse oximetry, adjunct airways, supplemental oxygen, spirometry, meter-dosed inhalers, nebulizers, and bronchodilators)
504E3			Conditions related to the environment: lightning, cold, heat (including use of rectal thermometry)
504E4			Cervical spine compromise
504E5			Traumatic brain injury
504E6			Internal and external hemorrhage (including use of a tourniquet and hemostatic agents)
504E7			Fractures and dislocations (including reduction of dislocation)
504E8			Anaphylaxis (including administering epinephrine using automated injection device)
504E9			Exertional sickling, rhabdomyolysis, and hyponatremia
504E10			Diabetes (including use of glucometer, administering glucagon, insulin)
504E11			Drug overdose (including administration of rescue medications such as naloxone)
504E12			Wounds (including care and closure)
504E13			Testicular injury
504E14			Various musculoskeletal injuries

504F1	71	Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice.	Cardiovascular system (including auscultation)
504F2			Endocrine system
504F3			Eyes, ears, nose, throat, mouth, and teeth
504F4			Gastrointestinal system
504F5			Genitourinary system
504F6			Integumentary system
504F7			Mental status
504F8			Musculoskeletal system
504F9			Neurological system
504F10			Pain level
504F11			Reproductive system
504F12			Respiratory system (including auscultation)
504F13		Identifying comorbidities and patients with complex medical conditions Assessing function (including gait) Selecting and using tests and measures that assess the following condition, as relevant to the patient's clinical presentation (answers to the first three bullets)	Specific functional tasks
504G	74		Educate patients regarding appropriate pharmacological agents for the management of their condition, including indications, contraindications, dosing, interactions, and adverse reactions.
504H	75		Administer medications or other therapeutic agents by the appropriate route of administration upon the order of a physician or other provider with legal prescribing authority.
504I	81		Plan and implement a comprehensive preparticipation examination process to affect health outcomes.
504J	82		Develop, implement, and supervise comprehensive programs to maximize sport performance that are safe and specific to the client's activity.
504K	91		Develop, implement, and revise policies and procedures to guide the daily operation of athletic training services*. *Examples of daily operation policies include pharmaceutical management, physician referrals, and inventory management.