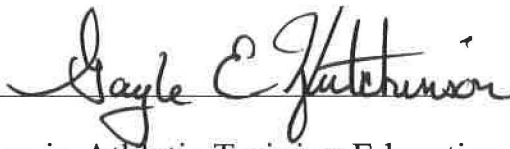




## Executive Memorandum 22-022

November 10, 2022

**From:** Gayle E. Hutchinson, President   
**Subject:** Approval to Discontinue the Option in Athletic Training Education within the MA in Kinesiology

Upon the recommendation of the Academic Senate and with the concurrence of the Provost, I approve the discontinuation of the Option in Athletic Training Education within the Master of Arts in Kinesiology effective fall 2023.

<b>Policy Title:</b>	EM 22-022 Approval to Discontinue the Option in Athletic Training Education within the MA in Kinesiology
<b>Contact:</b>	Department of Kinesiology
<b>Supersedes:</b>	
<b>Revision:</b>	
<b>Enabling Legislation or Executive Order:</b>	



## Executive Memorandum 22-022

November xx, 2022

**From:** Gayle E. Hutchinson, President \_\_\_\_\_

**Subject:** Approval to Discontinue the Option in Athletic Training Education within the MA in Kinesiology

Upon the recommendation of the Academic Senate and with the concurrence of the Provost, I approve the discontinuation of the Option in Athletic Training Education within the Master of Arts in Kinesiology effective fall 2023.

<b>Policy Title:</b>	EM 22-022 Approval to Discontinue the Option in Athletic Training Education within the MA in Kinesiology
<b>Contact:</b>	Department of Kinesiology
<b>Supersedes:</b>	
<b>Revision:</b>	
<b>Enabling Legislation or Executive Order:</b>	

## Discontinue Graduate Program: See [EM 15-005](#)

Program Name: MA in Kinesiology: Athletic Training Education

Complete only if applicable  
Program named above is:

Option within Kinesiology MA  
(Degree program name)

Certificate

### Rationale:

Athletic training education is a program currently housed in the Kinesiology Department MA degree. The program has traditionally served a handful of students who enter as Board Certified Athletic Trainers (i.e., they have completed an accredited undergraduate course of study and passed the national certification examination for athletic trainers). Recently, the organization and structure of athletic training education has undergone significant changes mandated by the [Commission on Accreditation of Athletic Training Education \(CAATE\)](#). In the past, the minimum entry point into the profession of athletic training was the baccalaureate level, this meant students entering our Athletic Training Education program were going beyond the minimum requirements for the profession. However, in 2015 the *CAATE Standards for Accreditation of Professional Athletic Training Programs* will/has changed to include a requirement that professional athletic training programs be at the master's degree level with a specific implementation deadline of no less than seven years. With this new structure individuals are not eligible to take the [Board of Certification, Inc. \(BOC\)](#) examination until they have completed a CAATE-accredited master's level professional athletic training program. Our current athletic training education program does not meet the standards set forth by CAATE for a professional athletic training program. Given these changes mandated by CAATE, there is no justification for a student to pursue a 2nd master's degree such as our athletic training education master's degree option, which does not meet CAATE educational standards.

### Required Signatures

The Department of Kinesiology  
has reviewed and approved this program discontinuation.

  
\_\_\_\_\_  
Chair, Department Curriculum Committee

Apr 6, 2022

\_\_\_\_\_  
Date

*Kevin Patton*  
\_\_\_\_\_  
Department Chair

Apr 6, 2022

\_\_\_\_\_  
Date

The College of Communication and Education  
has reviewed and approved this program discontinuation.

*Laura McLachlin*  
\_\_\_\_\_  
Chair, College Curriculum Committee

Apr 6, 2022

\_\_\_\_\_  
Date

*Angie Dethlefsen*  
\_\_\_\_\_  
College Dean

Apr 6, 2022

\_\_\_\_\_  
Date

## Discontinue Graduate Program: See [EM 15-005](#)

The Graduate Council has reviewed and approved this program discontinuation

Sharon Barrios  
Dean of Graduate Studies

Apr 11, 2022  
Date

Send signature page with proposal attached to Curriculum Services, zip 128

Curriculum Review Completed

K. Lee Gray

Note: As stated in EM 15-005: Although this document identifies many of the issues deemed essential for a thorough, open, and complete discussion and debate, those involved in pursuing program discontinuation should recognize that it would be inappropriate to judge all programs by the same standards or specify the range of information necessary to make a considered recommendation in each particular case. Therefore, the Academic Senate may 1) consider issues not specifically listed in this document and 2) recognize that some issues listed in this document may not be pertinent to a specific case. The goal is to help the Academic Senate reach an informed recommendation based on the evidence provided.

### Description and History of the Program:

- The option in Athletic Training Education within the MA in Kinesiology was approved and effective in Fall 2000. The program has existed in its approved form since 2000. It is not related to any other programs on campus nor is tied to a professional or pre-professional program.

Describe the relationship of the program to the University's Strategic Plan, College Strategic Plan, Academic Plan and other statements of mission, goals and values: **The mission of the Athletic Training Education Option (ATEO) was to provide quality didactic and clinical experiences to graduate-level athletic training students through the development and utilization of interactive instructional methods and give exposure to a variety of clinical experiences and allied health professionals.**

- Who was it designed to serve (describe the student need)? What are the societal needs? (E.g., cultural, technological, economic, artistic, scientific). **The purpose of the option was to prepare students for a career in the Athletic Training Profession including high school, collegiate, professional, and sports medicine clinics. There are no remaining Masters degrees of this type (i.e., that are not CAATE-accredited) in the CSU system. Those CSU's with the commitment and resources have transitioned to a CAATE-accredited athletic training education professional program at the master's degree level which results in a student becoming**

## **Discontinue Graduate Program: See [EM 15-005](#)**

eligible for national certification by successfully completing the Board of Certification, Inc. (BOC) examination.

- Are similar programs available elsewhere in the CSU? Because individuals are no longer allowed to sit for the BOC examination at the completion of a relevant undergraduate degree, there are no remaining programs of this kind (i.e., the current option in Athletic Training Education with is not CAATE-accredited). Only programs that have transitioned to a CAATE-accredited program exist: e.g., [CSU Long Beach](#), [CSU Northridge](#), [CSU Fullerton](#).

Indicate areas of concern, with reference to the above history, as it pertains to the proposed discontinuation.

No immediate areas of concern exist. The program in its current form was highly successful and served its purpose well. However, with accreditation changes and the Department of Kinesiology's inability to allocate the significant resources necessary to transition to a CAATE-accredited program, discontinuation is inevitable (see email of support from Scott Barker, KINE Faculty and Head Athletic Trainer)

- What is the status of the program now? Why should it be discontinued?

To remain viable, the KINE MA AT program would have to transition to a CAATE Athletic Training Professional program. To do so presents insurmountable fiscal, personnel, and facility requirements:

- Athletic training is an academic major or graduate equivalent major program that is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). In the past the minimum entry point into the profession of athletic training was the baccalaureate level, however this was changed in 2015. The CAATE *Standards for Accreditation of Professional Athletic Training Programs* will/has changed to include a requirement that professional programs be at the master's degree level with a specific implementation deadline of no less than seven years. Upon completion of a CAATE-accredited professional athletic training program, students become eligible for national certification by successfully completing the [Board of Certification, Inc. \(BOC\)](#) examination. With this change to professional programs at the master's level there is no justification for a student to pursue a 2nd master's degree such as our athletic training education master's degree option at Chico State.

Was the program suspended or considered for suspension? No

- What efforts have been made to sustain or improve the program? If there have been no efforts, please explain why efforts have not been made to improve the program (including suspension for purposes of re-evaluation [[EM 13-057](#)]).

No efforts have been made to sustain the program since the decision was made to not pursue a degree revision. After extensive consultation with Kinesiology Faculty (October and November 2016), a unanimous vote was made (Nov. 4<sup>th</sup> 2016 KINE Department Meeting) to not pursue re-vamping the KINE MA to a CAATE-accredited athletic training education program. This decision was due to resources, faculty, and

## Discontinue Graduate Program: See [EM 15-005](#)

facilities. To maintain this transition to an accredited program, at a minimum the following was required:

- Hiring of a consultant to evaluate requirements related to space, equipment, faculty, and staff
  - 2 tenure track faculty hires (one to direct the program/develop curriculum, a second as clinical coordinator)
  - Maintaining a proposed program size (15 students each year for a 2-year program)
  - Extensive space/facility requirement(s)
- How many students does the program serve? What are recent trends in enrollment? What is the external demand for the program from an employment perspective?

**Enrollment in the KINE MA AT program was limited to a maximum of 4 students in any given year and no new students have been accepted since Spring 2019. Currently, no students remain in the coursework phase. Only one student is enrolled as an adjunct student and is working to complete a project.**

Semester/Year	Kinesiology MA	Kinesiology MA Athletic Training Option
Sp22	22	0
F21	29	0
Sp21	11	2
F20	12	2
Sp20	15	2
F19	19	2
Sp19	20	4
F18	23	2
Sp18	15	3
F17	19	3
Sp17	23	3
F16	26	3
Sp16	31	2
F15	35	4
Sp15	39	1
<b>Totals</b>	<b>339</b>	<b>33</b>

- What are the shortcomings of the program that have led to the proposal to discontinue? (What criteria were used to gather data on the program? How was the data assessed? Has the program been through a five-year review? If not, why not? If so, what were the results of the last review?)

## **Discontinue Graduate Program: See [EM 15-005](#)**

**With the change to professional programs at the master's level (described previously) there is no justification for a student to pursue a 2nd master's degree such as our athletic training education master's degree option at Chico State.**

**The KINE MA in Kinesiology program did successfully complete a five-year review in 2016. The specific issue of transitioning into a CAATE-accredited athletic training education program or discontinuance was not directly addressed.**

- Describe current staffing levels, FTES and other information relevant to program performance.

**Scott Barker (Lecturer in Kinesiology) was the sole contributor to this program (in terms of Athletic Training coursework). Historically Mr. Barker served this program on a volunteer basis. Mr. Barker will continue to serve our undergraduate students as a paid instructor. No Kinesiology Department faculty will be losing paid work as a result of the discontinuation of this program.**

**Additionally, because no students have been admitted to the program in recent years, no KINE MA AT FTES has been generated.**

- Describe the financial status of the program. Provide evidence of the relative expense or revenue of the program compared to similar programs.

**While class sizes were very low (N=4 or fewer), the cost to offer existing KINE MA AT course offerings are comparable to other KINE MA offerings.**

- Provide additional evidence to support the discontinuation proposal. (If possible, reference original EM of approval so readers can go to that evidence.)
  - See attached original May 22, 2000 EM
  - See November 9, 2021 email from KINE MA AT program coordinator

### **Describe the consultation process and procedures:**

- Evidence of consultation with faculty, administrators, students, and related stakeholders in the collaborative preparation of the plan, assessment, and timeline. Evidence may include but is not limited to dates, times, minutes, and vote counts from meetings, lists of attendees, correspondence, etc.

**Discontinue Graduate Program: See [EM 15-005](#)**

<b>Date</b>	<b>Event/Meeting</b>	<b>Focus/Result</b>
10/14/16	KINE Department Meeting	Discussion Item: re-vamping the KINE MA to a CAATE-accredited athletic training education program. Faculty present: Barry, Blagrove, Braga, Christopherson, Ciapponi, Hansen, He, Himberg, Hsieh, Lehner, Li, Lowe, Mache, Newland, Patton, Smith, Trout.
11/4/16	KINE Department Meeting	Unanimous vote in opposition of re-vamping the KINE MA to a CAATE-accredited athletic training education program. Reasoning: significant resources needed (faculty hires, facilities, etc.).
		Faculty present: Azevedo, Braga, Buschner, Christopherson, Ciapponi, Fahey, Hansen, Himberg, Hsieh, Lehner, Li, Newland, Patton, Sbarbaro, Smith, Trout
9/21/21	KINE and EO 1071	Informed that to comply with EO 1071, KINE MA AT had to either be elevated as a degree program or discontinued. Deadline: prior to next 5 year review. Present: Grassian, Gray, Patton, Trethewey
11/12/21	KINE Department Meeting	Discussed EO 1071 compliance. Committee unanimous vote to move forward with discontinuance paperwork. Present: Erickson, Reynolds, Trout, Mache, Sbarbaro, Hsieh, Ciapponi, Bakkie, Henderson, B. Cross, Astley, He, Newland, Perkins, Hansen, Patton (chair)
11/12/21	KINE Graduate Meeting	Discussed EO 1071 compliance. Committee unanimous vote to move forward with discontinuance paperwork. Present: Azevedo, Mache, Patton, Newland, Blagrove (by proxy via Mache)
10/8/21	KINE Department Meeting	Discussed EO 1071 compliance and next step to discontinue KINE MA AT option. Present: role not recorded



## **Discontinue Graduate Program: See [EM 15-005](#)**

### **Appendices A**

#### **Email from Scott Barker – Kinesiology Faculty/Head Athletic Trainer – Coordinator of the Kinesiology MA Athletic Training Option**

**From:** William Scott Barker  
**Sent:** Tuesday, November 9, 2021 2:03 PM  
**To:** Kevin G Patton <kpatton@csuchico.edu>  
**Subject:** Re: KINE-AT MA curricular issue

Hi Kevin,

I appreciate the question. I fully support dropping the Athletic Training Masters Option. It had a good life and served many students well but it's time has passed. With the way athletic training education has evolved nationwide I don't see us bringing it back.

So, yes dropping the AT option makes sense and cleans things up for everyone.

Let me know if there is anything else I can offer.

See you soon,

Scott

Scott Barker, MS, ATC  
Head Athletic Trainer  
Chico State Athletics

**Discontinue Graduate Program: See [EM 15-005](#)**

**Appendices B**

**Original Approved Proposal – Option in Athletic Training Education Within the MA in  
Physical Education (now Kinesiology)**



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May 22, 2000  
EXECUTIVE  
MEMORANDUM  
00-33

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From: Manuel A. Esteban, President *Manuel A. Esteban*  
Subject: Executive Memorandum 00-33 Approval of New Option in Athletic  
Training Education

Upon the recommendation of the Academic Senate and with the concurrence of the Provost, I approve a new Option in Athletic Training Education within the MA in Physical Education, Department of Physical Education and Exercise Science, College of Communication and Education, effective fall 2000. The number of units required for the MA remains unchanged at 30 units. The new option will report using HEGIS code number 08351.



10. Option in Electronic Arts, BFA Art - **EPPC - action item (AS 00-28)**
11. Minor in Education, Education - **EPPC - action item (AS 00-29)**
12. Option in Athletic Training Education, M.A. Physical Education - **EPPC - action item (AS 00-30)**
13. Option in Computer Engineering, M.S Electrical Engineering - **EPPC - action item (AS 00-31)**
14. Option in Electronic Engineering, M.S Electrical Engineering - **EPPC - action item (AS 00-32)**
15. Delete Option in Instructional Technology, M.A. Communication Studies - **EPPC -action tem (AS 00-33)**
16. Delete Option in Public Communication, M.A. Communication Studies - **EPPC - action item (AS 00-34)**
17. Delete Option in Human Communication, M.A. Communication Studies - **EPPC - action item (AS 00-35)**
18. Significant Change to the M.A. Communication Studies - **EPPC - action item (AS 00-36)**
19. Name Change to M.A. Communication Studies - **EPPC - action item (AS 00-37)**

# **Athletic Training Education Option**

## **Proposal for a New Option for The Master of Arts in Physical Education**

Submitted by

Scott Barker, MS, ATC  
&  
Tom Fahey, EdD

California State University, Chico  
Chico, CA 95929-0330

March 2000

Copies to:

Dr. Dick Trimmer, Chair, Department of Physical Education & Exercise Science.  
Dr. Don Lytle, Chair, PHED Curriculum Committee  
Dr. Tom Fahey PHED, Curriculum Committee  
Dr. Cathrine Himberg, PHED Curriculum Committee  
Dr. Jackie Hudson, PHED Curriculum Committee  
Dr. Duane Knudson, PHED Curriculum Committee  
Dr. Rebecca Lytle, PHED Curriculum Committee  
Mr. Tom Little, PHED Faculty  
Mr. Don Batie, Director of Athletics  
Alan Azevedo, M.D., Orthopedic Surgeon, Team Physician

**Conceptual Abstract  
Athletic Training Education Option  
Department of Physical Education & Exercise Science  
College of Communication and Education**

**Athletic Training Education Option**

This proposed post-baccalaureate option for athletic training students details the establishment of a graduate athletic training education option at California State University, Chico. The mission of the Athletic Training Education Option (ATEO) is to provide quality didactic and clinical experiences to graduate-level athletic training students through the development and utilization of interactive instructional methods and give exposure to a variety of clinical experiences and allied health professionals. The purpose of the option is to prepare students for a career in the Athletic Training Profession including high school, collegiate, professional, and sports medicine clinics. Additionally, the ATEO will facilitate the students that wish to further their education at the doctoral level. The ATEO is to become a new option within the Master of Arts degree in the Department of Physical Education and Exercise Science.

**History**

The National Athletic Trainers' Association Board of Certification (NATABOC) Certified Athletic Trainer is a highly educated and skilled professional specializing in health care of the physically active. In cooperation with physicians and other allied health personnel, the athletic trainer functions as an integral member of the health care team in sports medicine clinics, industrial settings, professional sports programs, educational institutions, and other athletic health care settings. Certified Athletic Trainers have fulfilled the requirements for certification established by the NATABOC. The certification examination administered by NATABOC consists of a written test, practical examination, and written simulation questions. The examination covers a variety of topics within the five practice domains of athletic training:

- Prevention of athletic injuries
- Recognition, evaluation and immediate care of athletic injuries
- Rehabilitation and reconditioning of athletic injuries
- Health care administration
- Professional development and responsibility

Once athletic trainers pass the NATABOC certification examination, these allied health professionals use the designation "ATC" as their professional credential.

**CAAHEP Accreditation**

The Commission on Accreditation of Allied Health Education Programs (CAAHEP) is a non-profit allied health education organization whose purpose is to accredit entry level allied health education programs. CAAHEP accredits programs representing 18 allied health professions recognizing over 1800 allied health education programs in more than 1000 institutions. The benefits of CAAHEP accreditation are:

- recognition of programs that maintain or surpass national standards
- qualifies graduates for professional certification, registration and/or state licensure
- provides contact with key educators, physicians, hospital administrators, students or graduates, and public members in allied health organizations
- monitors marketplace expectations of, and required qualifications, for graduates.

CAAHEP accredited programs provide the student with the appropriate formal classroom instruction and the limited clinical experience necessary for the entry-level allied health care professional.

The Board of Directors of the National Athletic Trainers' Association (NATA) has mandated that beginning January 1, 2004, candidates sitting for the NATABOC Examination must have graduated from either a CAAHEP accredited, undergraduate program or entry-level graduate program. Candidates for NATABOC certification via the internship route will not be able to begin a program any later than November 1, 2001 and still be eligible to sit for the certification examination. Currently, California State University, Chico prepares student via the internship route to NATABOC certification.

### **Athletic Training Education**

Over 100 educational institutions nationally offer athletic training education programs that have met CAAHEP accreditation standards. These programs are offered at the undergraduate level. An accredited entry-level education program includes formal instruction in all areas documented in the NATA Competencies: athletic injury prevention and evaluation, first aid and emergency care, therapeutic modalities, therapeutic exercise, athletic training program administration, human anatomy and physiology, exercise physiology, kinesiology, nutrition, psychology, and personal and community health. The education program prepares future athletic trainers for employment in athletic health care settings. Through a blend of classroom instruction and clinical experience, the program teaches the prevention, management and rehabilitation of athletes' injuries and illnesses. Athletic Training is a rapidly growing profession, with over 20,000 NATABOC certified athletic trainers currently practicing in the United States and 1400-1700 students earning certification each year. A number of factors are contributing to an increased demand for athletic training services, particularly in nontraditional settings.

- There is an increased awareness of the importance of proper care and prevention of injuries associated with participation in physical activity and sport. The importance to communities and institutions is often highlighted by the threat of legal action if proper services are not provided.
- Organized youth sport programs; high school, college and university women's sport programs; corporate adult physical activity programs; and leisure time physical activity and sport participation by certain segments of the adult population have grown, with an increase in the need to provide appropriate athletic training services.
- The level, sophistication and scope of sports medicine care provided to all athletic teams, organized fitness programs, and people engaged in leisure time physical activity has increased. The result of these changes has been growth in the demand for certified athletic trainers by high schools, colleges and universities; hospitals; corporations; and independent sports medicine clinics.

### **Opportunity**

Colleges and universities nationwide are rushing to implement CAAHEP accredited undergraduate athletic training education programs. The inherent limitation with a vast number of these programs is the lack of quality clinical experiences. Additionally, the vast majority of jobs that are available for Certified Athletic Trainers also require candidates to possess a master's degree as minimum qualification for application. Consequently, in order for a Certified Athletic Trainer to be competitive in today's employment environment, one must pursue a post-baccalaureate degree. Equipped with the postbaccalaureate degree and the additional acquisition of high-level clinical experience this individual is now highly desirable in the marketplace.

Furthermore, there is a tremendous need for Certified Athletic Trainers that possess a doctoral degree. Graduates of this proposed Master of Arts option would be ideally suited and highly recruited by doctoral programs nationwide.



### **Curriculum**

The proposed program would benefit the Department of Physical Education and Exercise Science and the College of Communication and Education by adding an attractive curriculum that will provide students the mechanism to expand upon their NATABOC athletic training certification. Students having gained the field experience, with the application of high-level clinical skills, along with the formal classroom instruction will have enhanced employment opportunities. With the resources available at California State University, Chico, the potential exists to develop a nationally recognized postbaccalaureate Athletic Training Education Option.

### **Proposed Budget**

To provide adequate funding for this new graduate option, the following budget is proposed.

- Faculty assignments adequate to deliver the curriculum.  
Currently the Physical Education and Exercise Science Department provides the funding and assignment of instructors for these courses.
- Funded graduate assistant positions.  
In order to be competitive with other graduate programs in the country the graduate assistance positions need to be funded. Currently the 4 positions at CSU, Chico are provided by the Physical Education and Exercise Science Department and the two local high school positions are provided by CUSD.
- Support: Clerical Support Staff, office space and equipment for course development.
- Computer hardware and software to further develop multimedia and distance education materials. This would allow the athletic training faculty to continue to be leaders nationally with regards to the implementation of technology in athletic training education. The current computer hardware was purchased through a technology in teaching related grant. As the programs warrants new equipment additional sources will be sought out. Some possibilities include: Departmental equipment dollars, campus faculty computer upgrade program, additional technology and teaching grants, as well as publishing companies looking to implement technology into their products.

### **Enrollment Projections and Timetable**

Enrollment is limited to the available clinical opportunities to place students. As further opportunities develop, the enrollment could grow accordingly. Initially graduate assistants would be placed in the CSU, Chico Athletic Training Room (4) and local area high schools (2) for their clinical experience. Within the surrounding community there could be as many as 12 - 17 additional clinical opportunities. Other possibilities for clinical experience are:

- Butte College athletic training room (potentially 2-4)
- Additional local area high schools (potentially 4-5)
- Local area sports medicine/physical therapy clinics (potentially 4-5)
- Chico Heat Professional Baseball (currently 1 shared)
- Local Physicians (i.e. Orthopedic Associates of Northern California) (potentially 1-2)

1. Name of the campus submitting the request, whether it is an option, advising pattern, or minor, and full and exact title of the proposed aggregate of courses.

**California State University, Chico**

Academic year of intended implementation. **2000-2001**

2. Full and exact title of the degree major program under which the aggregate of courses will be offered, where applicable.

**The Master of Arts in Physical Education**

**Option Title: Athletic Training Education Option**

3. Options or advising patterns already existing under the degree major program for which the new aggregate of courses is proposed.

**Existing advising patterns within the Master of Arts in Physical Education:**

**Adapted Physical Education**

**Biomechanics**

**Exercise Physiology**

**Pedagogy**

**Sports Management**

**Movement Design**

**Special**

4. Name of the Department(s), School(s), or other unit(s) of the campus which would offer the proposed program.

**Department: Department of Physical Education & Exercise Science**

**College: College of Communication and Education**

5. Objectives of the proposed aggregate of courses.

**The objective of the proposed option is to provide students the opportunity to research and expand their athletic training knowledge beyond the entry level Certified Athletic Trainer while gaining practical field experience. Equipped with the master's degree and the additional high-level clinical experience, the student's employment opportunities are greatly enhanced.**

**An additional benefit worth noting of the graduate Athletic Training Education Option is the relationship between the local high schools and CSU, Chico. The placement of graduate students at the two local high schools has been well received by coaches, administrators, physicians and parents. The quality of sports health care provided to the high school student athletes is much improved over what has been available in the past. This cooperative relationship between the high schools and CSU, Chico is a "win-win" situation for both.**

6. Need for the proposed aggregate of courses.

**Due to the educational reform occurring nationally in the Athletic Training Profession, colleges and universities nationwide are rushing to implement CAAHEP accredited undergraduate athletic training education programs. The inherent limitation with a vast number of these programs is the lack of quality clinical experiences. Additionally, the vast majority of jobs that are available for Certified Athletic Trainers also require candidates to possess a master's degree as minimum qualification for application. Consequently, in order for a Certified Athletic Trainer to be competitive in today's employment environment, one must pursue a postbaccalaureate degree. Equipped with the postbaccalaureate degree and the additional acquisition of high-level clinical experience this individual is now highly desirable in the marketplace. Furthermore, there is a tremendous need for Certified Athletic Trainers that possess a doctoral degree. Graduates of this proposed Master of Arts Option would be ideally suited and highly recruited by doctoral programs nationwide.**

7. Total number of units required for major (for Options and Advising Patterns only).

**Completion of an approved program consisting of 30 units of 200/300 level courses.**

8. List of all existing courses to be specifically required under the proposed program.

**Research Requirement: 10-15 units**

- PHED 300 Seminar in Physical Education 3.0
- PHED 301 Seminar Physical Education Research Statistics 3.0
- PHED 302 Seminar Physical Education Research Design 3.0
- PHED 399 Master's Study 1.0-6.0

**Athletic Training Education Option Requirements**

**4 courses required: 12 units**

- PHED 285 Seminar in Sports Medicine 3.0 F/S  
Prerequisites: BIOL 003(CAN BIOL 10); BIOL 004(CAN BIOL 12); PHED 180; (or transfer equiv.)
- PHED 303 Seminar in Biological Foundations of Physical Education 3.0 F  
Prerequisites: PHED 302; faculty permission.
- PHED 286/386 Anatomical and Pathomechanical Aspects of Sports Injuries 3.0 F  
Prerequisites: BIOL 003(CAN BIOL 10); BIOL 004(CAN BIOL 12); (or transfer equiv.)
- PHED 288/388 Seminar in Sport and Physical Activity Health Care 3.0 S  
Prerequisites: PHED 117 & PHED 181 (or transfer equiv.)

**Electives: 3-9 units selected from:**

- PHED 323 Seminar in Biomechanics of Sports Techniques 3.0 S
- PHED 324 Biomechanical and Sport Analysis 3.0 F/S  
Prerequisites: faculty permission.
- PHED 361 Current Trends and Problems in Physical Education 3.0 F/S
- PHED 378 Exercise and Aging 3.0 F/S
- PHED 380 Seminar in Environmental Physiology 3.0 S  
Prerequisites: PHED 180.
- PHED 381 Exercise Management-Chronic Disease and Disabilities 3.0 inq  
Prerequisites: PHED 180; PHED 185; PHED 280, and faculty permission.
- PHED 382 Exercise Cardiology 3.0 inq  
Prerequisites: PHED 180; PHED 280; PHED 282, and faculty permission.
- PHED 398 Independent Study 1.0-3.0 F/S

\*Supervised clinical assignments may be used as independent study credit. Not to exceed 10 units.  
Any 200-300 level university course with approval of the option advisor.

**Total Degree Requirements ..... 30 Unit**

9. List of all new courses to be required for the proposed program.
- |   |       |
|---|-------|
| PHED 286/386 Anatomical and Pathomechanical Aspects of Sports Injuries            | 3.0 F |
| Prerequisites: BIOL 003(CAN BIOL 10); BIOL 004(CAN BIOL 12); (or transfer equiv.) |       |
| PHED 288/388 Seminar in Sport and Physical Activity Health Care                   | 3.0 S |
| Prerequisites: PHED 117 & PHED 181 (or transfer equiv.)                           |       |

- **Note: PHED 286 and PHED 288 are existing courses and due to the unique content these courses are attractive to both senior level undergraduate students pursuing health related professions and graduate athletic training students. PHED 286 and PHED 288 are elective courses within the Certificate in Sports Injury Health Care and will be co-listed as PHED 386 and PHED 388. PHED 386 and PHED 388 will have an additional research and presentation component.**

The Board of Directors of the National Athletic Trainers' Association (NATA) has mandated that beginning January 1, 2004, candidates sitting for the NATABOC Examination must have graduated from either a CAAHEP accredited, undergraduate program or entry-level graduate program. Candidates for NATABOC certification via the internship route will not be able to begin a program any later than November 1, 2001 and still be eligible to sit for the certification examination. In 3-5 years once the existing CSU, Chico internship athletic training program is no longer a viable route to certification, the need for co-listing of these two courses will not be necessary. At that point the elimination of the 200 level component will be recommended.

- **Amended course description for PHED 286/386 - Anatomical and Pathomechanical Aspects of Sports Injuries**

The study of select human anatomy and specific pathomechanics related to sports and physical activity injuries. The course will focus on the role of anatomical structure and pathomechanical mechanisms of joint and tissue specific to injuries that occur to physically active populations. Students enrolled in PHED386 will be required to develop an online presentation related to the pathomechanical aspects of injury. Students will be encouraged to submit their presentations for the non-commercial software award, sponsored by the NATA Educational Multimedia Committee.

Previous study in human anatomy and kinesiology are required.

Prerequisites: BIOL 003(CAN BIOL 10); BIOL 004(CAN BIOL 12); PHED 185

\*Note: This course will utilize online resources and require completing assignment online.

- **Amended course description for PHED 288/388 - Seminar in Sport and Physical Activity Health Care**

Advanced study of sports and physical activity health care. Topics include concepts of pathological orthopedic radiography, pharmacology, surgical techniques and recovery, and current trends in human performance health care. Students enrolled in PHED388 will be required to develop an online presentation related to the pathological orthopedic radiography, pharmacology, or surgical techniques. Students will be encouraged to submit their presentations for the non-commercial software award, sponsored by the NATA Educational Multimedia Committee.

Previous study in athletic injury evaluation and rehabilitation required.

Prerequisites: PHED 117 & PHED 181

\*Note: This course will utilize online resources and require completing assignment online.

10. Faculty members who would teach in the program include:

**Scott Barker, ATC, Head Athletic Trainer, California State University, Chico, M.S., 1985, University of Arizona, Athletic Training (See Appendix A for Vitae)**

**Jack Azevedo, Assoc. Professor, Ph.D., 1991, Univ. of California, Berkeley, Exercise Physiologist**

**Anita Barker, ATC, Associate Director of Athletics/Assistant Athletic Trainer, M.S., 1987, University of Arizona, Athletic Training**

**William W. Colvin, Professor, Tenured, Ed.D., 1973, Brigham Young Univ., Exercise Physiologist**

**Thomas L. Fahey, Professor, Tenured, Ed.D., 1972, Univ. of California, Berkeley, Exercise Physiologist**

**Cathrine Himberg, Assoc. Professor, Ph.D., 1996, Virginia Tech., Physical Education**

**Jackie L. Hudson, Asst. Professor, Ph.D., 1981, Temple Univ., Biomechanics**

**Duane Knudson, Assoc. Professor, Ph.D., 1997, University of Wisconsin, Biomechanics**

**Tom Little, ATC, Assoc. Professor, MA., 1968, New Mexico State, University**

**Charles D. Scott, Professor, Tenured, Ph.D., 1972, Columbia Univ., Physical Education**

**George David Swanson, Professor, Tenured, Ph.D., 1973, Stanford Univ., Electrical Engineer and Environmental Physiologist**

**Richard Trimmer, Professor, Tenured, Ph.D., 1973, Univ. of Utah, Weight training, measurement, motor learning**

11. Additional instructional resources (faculty, space, equipment, library volumes, etc.) needed to implement and sustain the proposed aggregate of courses. List all resources needed for the first five years beyond those currently projected, including specific resource, cost, and source of funding.

**11a. Space and Facilities that would be used in support of the proposed program**

**Various computer labs on campus to support delivery of a technologically enhanced curriculum.**

**The primary facility for the supervised clinical experience portion of the curriculum will be the Athletic Training Room (Acker 149).**

**Additional facilities will be sought out for supervised clinical experiences. Some possibilities include additional high school in the area, Butte College, local sports medicine clinics, and local physicians.**

**11b. Library Resources to Support the Program.**

**Present Library holdings are adequate. The following exercise science journals are available in our library:**

**The Journal of Athletic Training  
American Journal of Sports Medicine  
International Journal of Sports Medicine  
Journal of Applied Physiology  
Medicine Science and Sports (ACSM)  
Canadian Journal of Sports Science  
Journal of Sports Science  
British Journal of Sports Medicine  
Clinics in Sports Medicine  
Journal of Sports Medicine and Physical Fitness  
Sports Medicine  
International Journal of Sports Biomechanics  
European Journal of Applied Physiology**

**Computer databases, such as SportDiscus, Lexis/Nexus, and Carl are available for students and faculty. The library also subscribes to the principle medical journals, such as JAMA, New England Journal of Medicine, British Medical Journal, and Postgraduate Medicine.**

**11c. Equipment and other specialized materials currently available.**

**One Ultrasound unit {Metler} (new cost=\$900)  
One Ultrasound/EGS muscle stimulator {Rich-Mar} ( new cost=\$3500)  
Two EGS muscle stimulators {Sokins} (new cost=\$800)  
Two Hydrocollator machines (new cost=\$1500)  
Three Hydrotherapy whirlpools (new cost=\$3000)  
One intermittent compression unit (new cost=\$2000)  
One 1000 lbs. Ice machine (new cost=\$5000)  
One N/K Knee extension table (new cost=\$900)  
Blood Pressure Cuff (new cost=\$36)  
One LifeCycle exercise bicycle (new cost=\$1200)  
CYBEX Othotron knee extension/flexion machine (new cost=\$5,000)**

**11d. Faculty Positions**

**Existing faculty member(s)  
Lecturers as needed to fulfill required course offerings. Currently Scott Barker, ATC serves as the lecturer for these courses, PHED 285, PHED 286, PHED 288.**

**11e. Any special characteristics of the additional faculty or staff support positions needed to implement the proposed program.**

**The faculty members teaching the specific athletic training courses should be NATABOC Certified Athletic Trainers. Currently Scott Barker, ATC serves as the lecturer for these courses, PHED 285, PHED 286, PHED 288. Other available faculty that could serve as instructors for these courses include Anita Barker, ATC and Tom Little, ATC.**

- 11f. Additional lecture and/or laboratory space required to initiate and sustain the program over the next five years.**

**Existing lecture and laboratory space should be sufficient to sustain the program for the next five years. The addition of the Athletic Training area planned within proposed PEII facility will be a significant enhancement to the current teaching facility.**

- 11g. Additional library resources needed. Indicate the commitment of the campus to purchase or borrow through inter-library loan these additional resources.**

**Currently available library resources should be adequate for the program.**

- 11h. Additional equipment or specialized materials.**

**1. Computer hardware and software to allow the faculty to maintain their national cutting edge lead regarding a technologically enhanced athletic training education. The faculty currently have adequate hardware and software but in this arena things change quickly.**

**2. Currently several of the courses within the proposed Athletic Training Education Option utilize advanced multimedia technologies to facilitate learning. One example is the use of WebCT (an Online courseware system). The Technology and Learning Program maintains the WebCT server. The faculty deals with the course content creation and course management. With this in mind, the Athletic Training Education Option will continue to rely on the Technology and Learning Program to provide the mechanism for this type of content delivery and interactivity.**

- 12. Attach a complete proposed catalog description, including admission and degree requirements. For Options and Advising Patterns, include catalog description of the full degree program. Follow exactly the catalog pattern. Before the proposal is submitted to the Vice Provost for Academic Affairs or Dean of the School of Graduate, International, and Sponsored Programs, review with the Academic Operations and Publications Coordinator.**

## **Athletic Training Education Option Course Requirements for the Option: 30 Units**

### **Prerequisites to Admission: Eligible for the NATABOC Certification Exam.**

There are two routes to which a student may become eligible for the NATABOC Certification Exam.

- A Graduate of an NATA-approved entry-level program of study in athletic training education accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Graduates of these programs are referred to as curriculum candidates.
- The Internship route to certification is a practical/education/work experience approach to gaining the knowledge and skills needed to fulfill the requirements for certification. Learning opportunities are designed and supervised by an NATABOC certified athletic trainer. Graduates of these programs are referred to as internship candidates.

### **1. Requirements for the NATABOC Certification Exam include:**

- a. Completion of an undergraduate degree
  - b. Completion of required coursework (see prerequisite admission courses listed below)
  - c. Clinical hours
- Internship candidate must present documentation of obtaining at least **1500 hours** of athletic training experience under the supervision of an NATABOC certified athletic trainer. The applicant must show proof that the athletic training experience was gained over a period of at least two calendar years.
  - Approved curriculum candidate must successfully complete an entry-level program accredited by CAAHEP, in no less than two calendar years. The program must include **800 hours** of athletic training experience under the supervision of an NATABOC certified athletic trainer. The athletic training experiences must be obtained from athletic training settings associated with the accredited curriculum.

### **2. Prerequisite courses or equivalent:**

Human Anatomy (BIOL 003 - CAN BIOL 10)  
Human Physiology (BIOL 004 - CAN BIOL 12)  
Beginning Athletic Training (PHED 116 Principles of Sport Injury Management)  
Advanced Athletic Training (PHED 117 Advanced Athletic Training)  
Biomechanics (PHED 224 Biomechanical and Sport Analysis, Prerequisites: PHED 185)  
Human Nutrition (NFSC 125 Human Nutrition {Prerequisites: BIOL 004(CAN BIOL 12), CHEM 28} or NFSC 123 Nutrition and Physical Fitness {Prerequisites: lower-division biological science course})  
Exercise Physiology (PHED 180 Physiology of Exercise; Prerequisites BIOL 004(CAN BIOL 12))  
Kinesiology (PHED185 Introduction to Biomechanics; Prerequisites: BIOL 003(CAN BIOL 10)).

### **Admissions Criteria for the Athletic Training Education Option**

Selection into the Athletic Training Education Option will be on a limited basis.

Formal application involves the completion of the following:

- program application (form to be developed upon acceptance of this program)
  - submission of official transcripts of all college or university work
  - Graduate Record Examination (GRE) scores
  - three letters of recommendation
  - personal interview with the Athletic Training Education Option Selection Committee
- Other students are eligible to enroll in the specific Athletic Training Education Option courses: PHED285, PHED 286, & PHED 288. These courses are appropriate for undergraduate and graduate students interested in other allied health care professions. Consequently these three classes are also part of the Certificate in Sports Injury Health Care.



**Requirements for the Athletic Training Education Option**

Completion of an approved program consisting of 30 units of 200/300 level courses.

1. At least 18 units in the program discipline.
2. At least 18 of the units required for the degree in 300-level courses.
3. Not more than 9 semester units of transfer and/or extension credit (correspondence courses and University of California extension course work are not acceptable). CSU, Chico Open University (formerly REX) courses are considered as extension courses, but CSU, Chico summer session work is not.
4. Not more than a total of 10 units of Independent Study (398) and Master's Study (399) combined; not more than 6 units of Master's Study (399). (NOTE: Independent Study 199 and 299 may not be counted toward a master's degree.)

Not more than 10 units graded CR/NC; no courses in the major department graded CR/NC, with the exceptions of Independent Study (398), Master's Study (399), and courses offered CR/NC only. The following courses constitute the specific Athletic Training Education Option curriculum and must be completed by all students desiring the option.

**Research Requirement: 10-15 units**

- PHED 300 Seminar in Physical Education 3.0
- PHED 301 Seminar Physical Education Research Statistics 3.0
- PHED 302 Seminar Physical Education Research Design 3.0
- PHED 399 Master's Study 1.0-6.0

**Athletic Training Education Option Requirements**

**4 courses required: 12 units**

- PHED 285 Seminar in Sports Medicine 3.0 F/S  
Prerequisites: BIOL 003(CAN BIOL 10); BIOL 004(CAN BIOL 12); PHED 180; (or transfer equiv.)
- PHED 303 Seminar in Biological Foundations of Physical Education 3.0 F  
Prerequisites: PHED 302; faculty permission.
- PHED 286/386 Anatomical and Pathomechanical Aspects of Sports Injuries 3.0 F  
Prerequisites: BIOL 003(CAN BIOL 10); BIOL 004(CAN BIOL 12); (or transfer equiv.)
- PHED 288/388 Seminar in Sport and Physical Activity Health Care 3.0 S  
Prerequisites: PHED 117 & PHED 181 (or transfer equiv.)

**Electives : 3-9 units selected from:**

- PHED 323 Seminar in Biomechanics of Sports Techniques 3.0 S
- PHED 324 Biomechanical and Sport Analysis 3.0 F/S  
Prerequisites: faculty permission
- PHED 361 Current Trends and Problems in Physical Education 3.0 F/S
- PHED 378 Exercise and Aging 3.0 F/S
- PHED 380 Seminar in Environmental Physiology 3.0 S  
Prerequisites: PHED 180.
- PHED 381 Exercise Management-Chronic Disease and Disabilities 3.0 inq  
Prerequisites: PHED 180; PHED 185; PHED 280, and faculty permission.
- PHED 382 Exercise Cardiology 3.0 inq  
Prerequisites: PHED 180; PHED 280; PHED 282, and faculty permission.
- PHED 398 Independent Study 1.0-3.0 F/S

\*Supervised clinical assignments may be used as independent study credit. Not to exceed 10 units. Any 200-300 level university course with approval of the option advisor.

**Total Degree Requirements ..... 30 Unit**

13. Attach the Checklist/Routing: New Options, Advising Patterns, and Minors and the Signature Page: New Options, Advising Patterns, and Minors forms to the proposal prior to submission to the Department Curriculum Committee. (Checklist/Routing and Signature Pages should be printed from Web page. If you cannot print them, please call x6101 and a hard copy of the forms will be sent to you.)



## Department Manual

### Checklist/Routing: *option* New Degree Programs

<b>Program Name:</b> Athletic Training Education <i>option</i> Program						
check correct designation(s):  <table border="1"><tr><td>BA</td><td>BS</td><td>BFA</td><td>OTHER</td></tr></table>	BA	BS	BFA	OTHER		
BA	BS	BFA	OTHER			
OR check correct designation(s):  <table border="1"><tr><td>MA <input checked="" type="checkbox"/></td><td>MS</td><td>MBA</td><td>MFA</td><td>MPA</td><td>OTHER</td></tr></table>	MA <input checked="" type="checkbox"/>	MS	MBA	MFA	MPA	OTHER
MA <input checked="" type="checkbox"/>	MS	MBA	MFA	MPA	OTHER	
<b>Department+ZIP:</b> PHED/330						
<b>College+ZIP:</b> CME/145						
<b>Department Contact(s):</b> Dr. Tom Fahey						
<b>Phone#:</b> 4969						
<b>E-mail:</b> tfahey@csuchico.edu						

*Handwritten signatures and notes:*  
- "option" written above the program name.  
- "MA X" in the MA box of the second OR section.  
- Large handwritten signature across the bottom of the page.

# CALIFORNIA STATE UNIVERSITY, CHICO

## Department Manual

### Signature Page:

### New Degree Programs

<b>Program Name:</b> Athletic Training Education <i>Option Program</i>						
check correct designation(s):  <table border="1"> <tr> <td>BA <input type="checkbox"/></td> <td>BS <input type="checkbox"/></td> <td>BFA <input type="checkbox"/></td> <td>OTHER <input type="checkbox"/></td> </tr> </table>	BA <input type="checkbox"/>	BS <input type="checkbox"/>	BFA <input type="checkbox"/>	OTHER <input type="checkbox"/>		
BA <input type="checkbox"/>	BS <input type="checkbox"/>	BFA <input type="checkbox"/>	OTHER <input type="checkbox"/>			
OR check correct designation(s):  <table border="1"> <tr> <td>MA <input checked="" type="checkbox"/></td> <td>MS <input type="checkbox"/></td> <td>MBA <input type="checkbox"/></td> <td>MFA <input type="checkbox"/></td> <td>MPA <input type="checkbox"/></td> <td>OTHER <input type="checkbox"/></td> </tr> </table>	MA <input checked="" type="checkbox"/>	MS <input type="checkbox"/>	MBA <input type="checkbox"/>	MFA <input type="checkbox"/>	MPA <input type="checkbox"/>	OTHER <input type="checkbox"/>
MA <input checked="" type="checkbox"/>	MS <input type="checkbox"/>	MBA <input type="checkbox"/>	MFA <input type="checkbox"/>	MPA <input type="checkbox"/>	OTHER <input type="checkbox"/>	
<b>Department of:</b> PHED						
<b>College of:</b> CME						
<b>Signatures needed:</b> (sign and date below)						
<b>Chair, Department Curriculum Committee:</b> <i>William W. Coffey</i>						
<b>Date:</b> <i>May 5, 1999</i>						
<b>Department Chair:</b> <i>Michael Thomas</i>						
<b>Date:</b> <i>5/6/99</i>						
<b>Chair, College Curriculum Committee:</b> <i>Charles H. Zartman Jr.</i>						
<b>Date:</b> <i>12-6-99</i>						
<b>College Dean:</b> <i>Carolyn K. Reynolds</i>						
<b>Date:</b> <i>12/4/99</i>						
<b>Dean of the School of Graduate, International, and Sponsored Programs (if applicable):</b> <i>Robert M. Jaehn</i>						
<b>Date:</b> <i>4/10/00</i>						

(Print this form and Checklist/Routing: New Degree Programs and attach to proposal. See Guidelines for New Degree Programs)

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Last Updated: January 8, 1998

Begin	Complete	Strategic Planning/Conceptual Abstract Phase
Date:	Date: <i>May 1994</i>	1. Proposed Program included in Department's Strategic Plan
Date:	Date:	2. Conceptual Abstract developed by Department
Date: <i>Sept 2, 1998</i>	Date: <i>May 5, 1999</i>	3. Conceptual Abstract reviewed and approved by Department Curriculum Committee
Date: <i>Oct 21, 98</i>	Date: <i>5/6/99</i>	4. Conceptual Abstract reviewed and approved by Department Chair
Date:	Date: <i>12-6-99</i>	5. Conceptual Abstract reviewed and approved by College Curriculum Committee
Date: <i>12/6/99</i>	Date: <i>12/6/99</i>	6. Conceptual Abstract reviewed and approved by College Dean
Date: <i>'99</i>	Date: <i>'99</i>	7. Conceptual Abstract reviewed and Approved by Vice Provost for Academic Affairs (undergraduate programs) or Dean of Graduate, International, and Sponsored Programs (graduate programs) and Provost
Date:	Date:	8. Proposed Degree Program Submitted for Systemwide Academic Planning List
Begin	Complete	Proposal Phase
Date:	Date:	1. Proposal Developed by Department
Date: <i>&gt;</i>	Date:	2. Reviewed and approved by Department Curriculum Committee
Date: <i>&gt;</i>	Date:	3. Reviewed and approved by Department Chair
Date: <i>&gt;</i>	Date:	4. Reviewed and approved by College Curriculum Committee
Date: <i>&gt;</i>	Date:	5. Reviewed and approved by College Dean
Date: <i>4/1/00</i>	Date: <i>4/10/00</i>	6. Technical review by Vice Provost for Academic Affairs (undergraduate programs) or Dean of Graduate, International, and Sponsored Programs (graduate programs) (4 copies)
Date:	Date:	7. Approved by Educational Policies and Procedures Committee (28 copies)
Date:	Date:	8. Approved by Academic Senate (46 copies)
Date:	Date:	9. Approved by Provost
Date:	Date:	10. Approved by President
Date:	Date:	11. Forwarded to Chancellor's Office (5 copies - includes 1 for Provost's files)
Date:	Date:	12. Chancellor's Office Approval
Date:	Date:	13. If approved by Chancellor, EM#:

(Print this form and Signature Page: New Degree Programs form and attach to proposal. See Guidelines for New Degree Programs)

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Last Updated: January 8, 1998

**Appendix A**  
**Curriculum Vitae of Principle Faculty**

# W. Scott Barker, ATC

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**Work Address:**

California State University, Chico  
Room 149 Acker Gym  
Chico, CA 95929-300  
(530) 898-5873

**Home Address:**

4026 Guntren Road  
Chico, CA 95973  
(530) 342-9892

**E-Mail:** [sbarker@csuchico.edu](mailto:sbarker@csuchico.edu)**WWW:** [www.csuchico.edu/~sbarker/scott.html](http://www.csuchico.edu/~sbarker/scott.html)

## Education

- **Master of Science**, Exercise and Sport Sciences, Specialization in Athletic Training. University of Arizona, Tucson, AZ. July 1985.
- **Bachelor of Science**, Physical Education. University of Arizona, Tucson, AZ. June 1984.

## Professional Work Experience

- **Head Athletic Trainer**, Intercollegiate Athletics, California State University, Chico. July 1990 to present.
- **Associate Athletic Trainer**, University of Arizona. Primary responsibilities included football, baseball and supervision of rehabilitation for all sports. Tucson, AZ. 1985 -1990.
- **Head Athletic Trainer**, Sabino High School. Tucson, AZ. August 1984 - May 1985.
- **Head Athletic Trainer**, Chicago White Sox, Gulf Coast League. Sarasota, FL. June-August 1981-84.
- **Student Athletic Trainer**, University of Arizona. Tucson, AZ. 1979-84.

## Teaching Experience

- **Instructor**, "PHED 288 – Seminar in Sport and Physical Activity Health Care", Department of Physical Education and Exercise Science, California State University, Chico. Spring 2000.
- **Instructor**, "PHED 286 – Anatomical and Pathomechanical Aspects of Sports Injuries", Department of Physical Education and Exercise Science, California State University, Chico. Fall 1999.
- **Instructor**, "PHED 285 – Seminar in Sports Medicine", Department of Physical Education and Exercise Science, California State University, Chico. Fall and spring 1998 to present.
- **Instructor**, "CDES 270A - Introduction to Multimedia Design", Department of Communication Design, California State University, Chico. Spring 1999.
- **Instructor**, "CDES 270B - Advanced Multimedia Design", Department of Communication Design, California State University, Chico. Fall 1998.
- **Co-Instructor**, "PHED 181 - Reconditioning of Athletic Injuries", California State University, Chico. Spring 1997. This course was taught online as part of the Provost sponsored 1997 Faculty Productivity Project Grant.
- **Co-Instructor**, Multisite Video Conference Continuing Education Unit class, "Sports Medicine Seminar", California State University, Chico. Spring 1996.
- **Instructor**, "PHED 117 - Advanced Athletic Training". California State University, Chico. Fall 1990-Fall 1992.

## W. Scott Barker, ATC

- **Instructor**, "PHED 181 - Reconditioning of Athletic Injuries". California State University, Chico. Fall 1990-Fall 1992.
- **Instructor**, "Isokinetics Unit." Graduate Athletic Training Program, University of Arizona. 1985-1990.
- **Instructor**, "Prevention and Treatment of Athletic Injuries". University of Arizona. 1985-86.

## Multimedia Projects

- **"Lumbar Spine Pain in Athletics, Evaluation and Treatment of Vertebral Motion Segment Dysfunction"**, A continuing education, interactive multimedia software available via the World Wide Web for Certified Athletic Trainers. This site was produced for the NATA Education Council's Continuing Education Committee and serves as a continuation of the 2000 District Lecture Series. Available via the World Wide Web ([www.csuchico.edu/~sbarker/spine](http://www.csuchico.edu/~sbarker/spine)).
- **"Computerized Athletic Training Simulations"**, An interactive multimedia software allowing students to experience the unique format of the NATA Written Simulation Exam. Developed as part of the 1999 Southeast Athletic Trainers' Association Student Athletic Trainer Symposium, "Competencies in Athletic Training Workshop". Available via the World Wide Web ([www.csuchico.edu/~sbarker/cats](http://www.csuchico.edu/~sbarker/cats)).
- **"Computerized Athletic Training Simulations"**, An interactive multimedia software allowing students to experience the unique format of the NATA Written Simulation Exam. Developed as part of the 1998 Southeast Athletic Trainers' Association Student Athletic Trainer Symposium, "Competencies in Athletic Training Workshop". Available via the World Wide Web ([www.csuchico.edu/~sbarker/cats](http://www.csuchico.edu/~sbarker/cats)).
- **"Wildcat Clicks System"**, Multimedia digital audio delivery system for use at CSU, Chico Intercollegiate Athletics contests. Developed with Macromedia's Director multimedia authoring software and contains 2 gigabytes of digital audio (sound effects and music), 1997-98.
- **"Phases of Rehabilitation"**, Multimedia lecture for "Rehabilitation of Athletic Injuries" course. Available on-line for students to review at any time ([www.csuchico.edu/phed/181](http://www.csuchico.edu/phed/181)), Spring 1997.
- **"Computerized Jeopardy Challenge"** An interactive multimedia software designed for the Far West Athletic Trainers' Association Student Athletic Trainers' Jeopardy Challenge Contest.
- **"Knee Injury Scenario"**, Co-author with B. Robert Carlson, San Diego State University, interactive multimedia injury scenario. Available on-line for students to review at any time ([www.csuchico.edu/~sbarker/new.html](http://www.csuchico.edu/~sbarker/new.html)), Fall 1996.
- **"Knee Injuries"**, **Interactive** Multimedia Computer Software. Designed with MacroMedia Director multimedia authoring software. Incorporates 3D animation, video animation, audio and text. Fall 1994.



## W. Scott Barker, ATC

### Publications

- "Prevention of Throwing Injuries to the Shoulder", Athletic Therapy Today, July 1997.
- "Multimedia Uses in Educational Settings", Athletic Training, Sport Health Care Perspectives, Jan-March 1996.
- Co-author, "Rotator Cuff Injuries", Athletic Training, Journal of the National Athletic Trainers' Association, Fall 1984.

### Professional Presentations

- **Invited Presenter**, "Distance Education and Future Trends in Multimedia Technology", 1999 NATA Annual Meeting & Clinical Symposia, June 1999, Kansas City, Mo.
- **Invited Presenter**, "Fundamental Issues, Problems, and Solutions Related to Technology", 1999 NATA Annual Meeting & Clinical Symposia, June 1999, Kansas City, Mo.
- **Invited Presenter**, "Development of Educational Multimedia in Athletic Training", 1999 NATA Annual Meeting & Clinical Symposia – Educational Multimedia Committee, June 1999, Kansas City, Mo.
- **Invited Presenter**, "Global Perspectives – Distance Education", 1999 NATA Educators Workshop, January 1999, Dallas, TX.
- **Invited Presenter**, "Technology in Athletic Training Education", 1998 Distinguished Lecture on Sports Medicine, Middle Tennessee State University, November 1998, Murfreesboro, TN.
- **Invited Presenter**, "Technology in Learning and Teaching (TILT) Workshop". Implantation of WebCT for Seminar in Sports Medicine class. September 1998, California State University, Chico
- **Invited Presenter**, "Mechanics of Throwing", Annual Twin Falls Sports Medicine Seminar, August 1998, Twin Falls, Idaho.
- **Invited Presenter**, "The World Wide Web – An Educational Resource in Sports Medicine", Annual Twin Falls Sports Medicine Seminar, August 1998, Twin Falls, Idaho.
- **Invited Presenter**, "The World Wide Web in Athletic Training Education", 1998 NATA Annual Meeting & Clinical Symposia – Educational Multimedia Committee, June 1998, Baltimore, MA.
- **Invited Presenter**, "Concepts and Application of Information Technologies in Intercollegiate Athletics", California Community College Athletic Directors Annual Meeting, June 1998, South Lake Tahoe, CA
- **Invited Presenter**, "Concepts and Application of Multimedia in Allied Health", AAHPERD Annual Meeting, April 1998, Reno, NV.
- **Invited Presenter**, "Future Trends for Athletic Training Via Multimedia Technologies", 1998 Distinguished Lecture on Sports Medicine, the University of Alabama Sports Medicine Bureau, February 1998, Tuscaloosa, AL.
- **Invited Presenter**, "The Written Simulation Exam", 1998 Southeast Athletic Trainers' Association Student Athletic Trainer Symposium, "Competencies in Athletic Training Workshop". Multimedia software created for, presented to, and distributed to students to assist with their preparation for the NATA Certification Exam. February 1998, Atlanta, GA.

## W. Scott Barker, ATC

- **Invited Presenter**, “Customizing the use of FirstClass”, Utilization of FirstClass Designer for customizing on-line course environment, January 1998, California State University, Chico.
- **Invited Presenter**, “Technology in Learning and Teaching Exhibition and Forum (TILT 97)”. TILT 97 was a showcase of 100 of the most innovative uses of technology to support teaching and learning including exhibitors of projects or courseware in various stages of development. October 23, 1997, California State Polytechnic University, Pomona
- **Invited Presenter**, “Future Trends for Athletic Training Via Multimedia Technologies”, 1997 NATA Annual Meeting & Clinical Symposia, June 1997, Salt Lake City, UT.
- **Invited Presenter**, “The Net, Interactive Multimedia Education Via The World Wide Web”, 1997 NATA Annual Meeting & Clinical Symposia - Student Workshop, June 1997, Salt Lake City, UT.
- **Invited Presenter**, “Athletic Training - Career Day”, Corning High School’s Career Day, May, 1997, Corning, CA.
- **Invited Presenter**, “Rehabilitation of Athletic Injuries On-line”. Presentation to faculty as part of a Faculty Productivity Grant awarded from the Provost office. Demonstrates the implementation of technology to enhance course productivity. June 1997, California State University, Chico.
- **Invited Presenter**, “Computer Technologies and Athletic Training”, Far West Athletic Trainers’ Association, April 1997, Las Vegas, NV.
- **Invited Presenter**, Mini-Course Workshop: “Athletic Training Computer Networking for the 2000’s”, Far West Athletic Trainers’ Association, April 1995, San Francisco, CA.
- **Invited Presenter**, “Multimedia in Sports Medicine”, Annual Twin Falls Sports Medicine Symposia, August 1994, Twin Falls, Idaho.
- **Invited Presenter**, “The Use of Multimedia in Athletic Training Instruction”, Far West Athletic Trainers’ Association, April 1994, Las Vegas, NV.
- **Multimedia Workshop for Athletic Trainers**, July 1994, California State University, Chico.
- **Invited Presenter**, “Knee Injuries”, Faculty Multimedia Workshop, January 1994, California State University, Chico.

## Professional Committee Experience

- **Committee Member**, NATA Education Council, Continuing Education Committee, 1997-present.
- **Committee Member**, NATA Educational Multimedia Committee. Development and maintenance of “The Educational Multimedia Web Site” with a searchable database of educational videos and multimedia software, 1996-present.  
Available via the World Wide Web ([www.csuchico.edu/~sbarker/cats](http://www.csuchico.edu/~sbarker/cats)).
- **Committee Chair**, District 8 Educational Multimedia Committee. Development and maintenance of “The Far West Athletic Trainers’ Association Web Site”, 1996-present.  
Available via the World Wide Web ([www.csuchico.edu/~sbarker/FWATA](http://www.csuchico.edu/~sbarker/FWATA)).
- **Committee Member**, District 8 Public Relations Committee. 1994-1997.
- **Committee Member**, District 8 College and University Athletic Trainers Committee. 1994-1998.
- **Examiner**, National Athletic Trainers Association Certification Exam-Room Captain. 1992-1999.

# W. Scott Barker, ATC

## Certifications

- **Certified Athletic Trainer**, National Athletic Trainers Association, Inc. 1985
- **Certified, Cardiopulmonary Resuscitation**, American Heart Association.
- **Certified, Standard First Aid**, American Heart Association.

## Computer Software Experience/Skills

- **Multimedia Authoring Software**, Macromedia Director, version 6.5, 6.01, 5, & 4; Macromedia Authorware 3.0; HyperStudio; Hypercard.
- **3D Computer Graphics Software**, Strata StudioPro 2.5, KPT Bryce 3D, Poser 3.0.
- **2D Computer Graphics Software**, Adobe Photoshop 5 & 4, Adobe Illustrator 7, Freehand 8.
- **Digital Video Software**, Adobe Premier 5.1 & 4.2, Adobe After Effects 3.0, QuickTime 4.0, 3.0.
- **Digital Audio Software**, Macromedia SoundEdit 16, Macromedia Deck II.
- **Web Server Administrator**, Installation and maintenance of Athletics Web Server hardware (PowerMac 9600) and software. (WebStar 2.0, Tango, integrated FilemakerPro).
- **FirstClass Sub-Administrator**, Manage administration of "Rehabilitation of Athletic Injuries" course taught on-line via FirstClass Software.
- **Online course ware - WebCT**, Manage administration of "Seminar in Sports Medicine" course taught on-line via WebCT Software.
- **HTML Software**, Adobe GoLive, Claris Homepage 3.0, Adobe Pagemill, SimpleText.
- **Other Software**, Microsoft Office, Claris Filemaker Pro, LXR test.

## Awards

- **Special Service Award**, Far West Athletic Trainers' Association, April 1995.
- **Student Athletic Trainer of the Year**, Rocky Mountain Athletic Trainers' Association, 1984.