Health, Exercise and Sport Sciences

Pete Schroeder, Chair

Degrees Offered
Bachelor of Arts
Bachelor of Science
Master of Arts (see Graduate Catalog for information)

Majors Offered
Health, Exercise and Sport Sciences (BA)
  • Sport Pedagogy
  • Health and Exercise Science
  • Sport Management

Athletic Training (BS)

Minors Offered
Health, Exercise and Sport Sciences

Mission
The mission of the University of the Pacific’s Department of Health, Exercise and Sport Sciences is to provide student-centered instruction, offer a progressive, dynamic, cross-disciplinary curriculum in the liberal arts and sciences tradition, and attract and sustain students and faculty of diversity and quality.

Degrees in Health, Exercise and Sport Sciences
The Department of Health, Exercise and Sport Sciences offers programs of study leading to the Bachelor of Arts, Bachelor of Science, and Master of Arts degrees. The purpose of a Health, Exercise and Sport Sciences degree is to educate and prepare students for a wide variety of careers in the fields grounded in human movement.

A set of required core courses provides students with a common base of knowledge and understanding about the concepts within the discipline. In addition to the core, Health, Exercise and Sport Sciences majors must successfully complete one of the following concentrations: sport pedagogy, health and exercise science, or sport management. Athletic Training majors must successfully complete the required coursework for the Commission on Accreditation of Athletic Training Education (CAATE) accredited program. All degree options culminate with internships or practical coursework in clinical and applied settings.

Upon completion of a degree in the Department of Health, Exercise and Sport Sciences it is expected that students have the capacity to: read, select and interpret important information from health, exercise and sport sciences literature; write clearly, critically and persuasively; prepare and deliver presentations effectively; work and collaborate in groups toward a common goal; design and conduct research studies using appropriate methodologies; identify and apply ethical standards to the current issues in a selected track/major.

Facilities
The Department of Health, Exercise and Sport Sciences has the following facilities for use in its programs: Baun Fitness Center, a Kinesiology laboratory, an Exercise Physiology laboratory, an Athletic Training laboratory, The Pacific Fatigue Laboratory, Main Gymnasium, and a computer lab.

General Service (Activity) Classes
A variety of physical activity classes are available for all interested University students who wish to acquire new motor skills, maintain an exercise routine and continue or start a fitness program. These classes focus on the “how” and “why” of various activities. These classes are worth one unit, and students can enroll on a voluntary basis. Examples are swimming for health, bowling, running for health, volleyball, badminton, tennis, golf, basketball, weight training, kick boxing, karate, yoga, aikido, kung fu, tae-kwon do, and self-defense for women.

Students on the Stockton campus can apply a combined total of eight units of ACTY 001-ACTY 049 – Activities, ACTY 050-ACTY 099 - Intercollegiate Sports and THEA 005A - THEA 005P in the Theatre Arts Department toward graduation. Up to 8 units of activity and intercollegiate sports classes may count toward the COP breadth requirement.

All activity classes are evaluated on the pass/no credit basis.

Communication Skills
1. Prepare and deliver presentations effectively.
2. Write clearly, critically and persuasively.

Leadership and Collaboration
1. Work and collaborate in groups toward a common goal.

Critical and Creative Thinking
1. Read, select and interpret important information from sport sciences literature.
2. Design and conduct research studies using appropriate methodologies.

Ethical Reasoning
1. Identify and apply ethical standards to the design and execution of research studies.

Bachelor of Arts Major in Health, Exercise and Sport Sciences Concentration in Sport Pedagogy
The Sport Pedagogy Concentration provides an opportunity to study aspects of human movement and human performance as a reflection of personal values and as an expression of an individual’s physical, psychological and social nature. In addition to successfully completing the Sport Sciences Core, the sport pedagogy student must complete a series of courses that culminate with options to qualify for a teaching credential, coaching certification, or advanced study. Degree requirements for this concentration also include the demonstration of a variety of motor skill proficiencies.

Students must complete a minimum of 124 units with a Pacific cumulative and major/program grade point average of 2.0 in order to earn the bachelor of arts degree with a major in health, exercise and sport sciences with a concentration in sport pedagogy.

I. General Education Requirements
Minimum 42 units and 12 courses that include:

PACS 001  What is a Good Society  4
PACS 002  Topical Seminar on a Good Society  4
PACS 003  What is an Ethical Life?  3

Note: 1) Pacific Seminars cannot be taken for Pass/No Credit.  
2) Transfer students with 28 or more transfer units complete 2 additional General Education elective courses from below in place of taking PACS 001 and PACS 002.

One course from each subdivision below:

Social and Behavioral Sciences
IA. Individual and Interpersonal Behavior
IB. U.S. Studies
Health, Exercise and Sport Sciences

I. General Education Requirements

Minimum 42 units and 12 courses that include:

- PACS 001  What is a Good Society  4
- PACS 002  Topical Seminar on a Good Society  4
- PACS 003  What is an Ethical Life?  3

Note: 1) Pacific Seminars cannot be taken for Pass/No Credit.
2) Transfer students with 28 or more transfer units complete 2 additional General Education elective courses from below in place of taking PACS 001 and PACS 002.

One course from each subdivision below:

Social and Behavioral Sciences
- IA. Individual and Interpersonal Behavior
- IB. U.S. Studies
- IC. Global Studies

Arts and Humanities
- IIA. Language and Literature
- IIB. Worldviews and Ethics

II. Diversity Requirement

Students must complete one diversity course (3-4 units)

Note: 1) Transfer students with 28 units or more transfer units prior to fall 2011 are encouraged but not required to complete a designated course prior to graduation. 2) Courses may be used also to meet general education and/or major/minor requirements.

III. College of the Pacific BA Requirement

Students must complete one year of college instruction or equivalent training in a language other than English.

Note: 1) Transfer students with sophomore standing are exempt from this requirement.

IV. Fundamental Skills

Students must demonstrate competence in:
- Reading
- Writing
- Quantitative analysis

V. Breadth Requirement

Students must complete 64 units outside the primary discipline of the first major, regardless of the department who offers the course(s) in that discipline. (Courses include general education courses, transfer courses, CPCE/EXTN units, internships, etc.)

VI. Major Requirements

Minimum 50 units that include:

- SPTS 100  Introduction to Research  3
- SPTS 120  Instructional Strategies and Methods of Teaching and Coaching  4
- SPTS 121  Analysis of Team and Individual Sports  3
- SPTS 123  Analysis of Nontraditional Games and Sports  3
- SPTS 127  History and Philosophy of Sport and PE  3
- SPTS 129  Principles of Exercise Physiology  4
- SPTS 131  Assessment and Evaluation  4
- SPTS 133  Kinesiology  4
- SPTS 139  Exercise Psychology  4
- SPTS 141  Sport in America  4
- SPTS 151  Elementary Physical Education  3
- SPTS 152  Secondary Physical Education  4
- SPTS 153  Equity and Inclusion in Physical Education  4
- SPTS 155  Motor Learning  3
- SPTS 159  Sport Pedagogy  3
- SPTS 187D  Sport Pedagogy Internship I  2
- SPTS 187E  Sport Pedagogy Internship II  4
- EDUC 130  Technology Enhanced Learning Environments  2

Motor Skill Proficiencies

Health, Exercise and Sport Sciences majors who complete the Sport Pedagogy Concentration must also demonstrate 10 proficiencies over six areas: aquatics (1); gymnastics and tumbling (1); combatives and/or martial arts (1); dance (1); individual sports (3); and team sports (3). The ten proficiencies must include a minimum of two advanced, four intermediate and four beginning skills. Proficiencies may be met by successfully completing SPTS 121 and SPTS 123 and/or successfully completing appropriate activity classes.

Career Options for Sport Pedagogy

Completion of the Sport Pedagogy Concentration and subsequent single-subject teaching credential requirement permits students to pursue careers in a variety of education settings. This is true of the regular credential program in physical education as well as the more specialized coaching concentration. The coaching concentration is not only recommended for sport pedagogy students but also for other teaching majors who may be interested in coaching. For all teaching credential candidates, the University of the Pacific Office of Career Services provides a personalized approach to teacher employment placement.

Bachelor of Arts Major in Health, Exercise and Sport Sciences Concentration in Health and Exercise Science

The Health and Exercise Science concentration is scientifically based and human oriented. It prepares students for careers and/or further graduate study in health and fitness related areas such as medicine, physical therapy, occupational therapy, nutrition and exercise/work physiology. A primary goal of this concentration is to provide a scholarly environment in classes and laboratories that supports and encourages the application of theoretical concepts. Students study and apply principles relevant to the rehabilitation and enhancement of human performance.

In addition to completing the Health, Exercise and Sport Sciences, Health and Exercise Science students must successfully complete a series of courses within the department and courses drawn from the life and physical sciences.

Students must complete a minimum of 124 units with a Pacific cumulative and major/program grade point average of 2.0 in order to earn the bachelor of arts degree with a major in health, exercise and sport sciences with a concentration in health and exercise science.
I. General Education Requirements

Minimum 60 units that include:

- SPTS 100 Introduction to Research 3
- SPTS 129 Principles of Exercise Physiology 4
- SPTS 133 Kinesiology 4
- SPTS 157 Clinician in Sports Medicine 4
- BIOL 051 Principles of Biology 4
- BIOL 061 Principles of Biology 4
- BIOL 071 Human Anatomy 4
- BIOL 081 Human Physiology 4
- CHEM 025 General Chemistry 5
- PHYS 023 General Physics I 5

Five SPTS Electives (Five additional courses excluding SPTS 023, SPTS 025) 15-20

Select one of the following: 4
- SPTS 139 Exercise Psychology
- SPTS 141 Sport in America

II. Diversity Requirement
Students must complete one diversity course (3-4 units)

Note: 1) Transfer students with 28 units or more transfer units prior to fall 2011 are encouraged but not required to complete a designated course prior to graduation. 2) Courses may be used also to meet general education and/or major/minor requirements.

III. College of the Pacific BA Requirement
Students must complete one year of college instruction or equivalent training in a language other than English.

Note: 1) Transfer students with sophomore standing are exempt from this requirement.

IV. Fundamental Skills
Students must demonstrate competence in:

- Reading
- Writing
- Quantitative analysis

V. Breadth Requirement
Students must complete 64 units outside the primary discipline of the first major, regardless of the department who offers the course(s) in that discipline. (Courses include general education courses, transfer courses, CPCE/EXTN units, internships, etc.)

VI. Major Requirements

Minimum 60 units that include:

- SPTS 100 Introduction to Research 3
- SPTS 129 Principles of Exercise Physiology 4
- SPTS 133 Kinesiology 4
- SPTS 157 Clinician in Sports Medicine 4
- BIOL 051 Principles of Biology 4
- BIOL 061 Principles of Biology 4
- BIOL 071 Human Anatomy 4
- BIOL 081 Human Physiology 4
- CHEM 025 General Chemistry 5
- PHYS 023 General Physics I 5

Five SPTS Electives (Five additional courses excluding SPTS 023, SPTS 025) 15-20

Select one of the following: 4
- SPTS 139 Exercise Psychology
- SPTS 141 Sport in America

Career Options for Health and Exercise Science

Employment opportunities following completion of the sports medicine concentration include fitness directorship, cardiac disease prevention-rehabilitation, work toward advanced degrees in allied health sciences such as nursing, physical therapy, occupational therapy and medicine or sports medicine. Health and Exercise Science is in part a self-contained program as curricular support for Pacific's Physical Therapy Graduate program.

Pre-Physical Therapy (Optional)

Students in the Health and Exercise Science concentration who are interested in pursuing graduate studies in Physical Therapy are advised to complete the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 027</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>MATH 035</td>
<td>Elementary Statistical Inference (or similar course)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 025</td>
<td>General Physics II</td>
<td>5</td>
</tr>
<tr>
<td>PSYC 031</td>
<td>Introduction to Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 111</td>
<td>Abnormal Psychology</td>
<td>4</td>
</tr>
<tr>
<td>SPTS 061</td>
<td>Medical Terminology</td>
<td>4</td>
</tr>
<tr>
<td>SPTS 147</td>
<td>Exercise Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>SPTS 182</td>
<td>Exercise Testing/Prescription</td>
<td>4</td>
</tr>
</tbody>
</table>

Students are strongly advised to check with individual graduate programs for specific requirements.

Bachelor of Arts Major in Health, Exercise and Sport Sciences Concentration in Sport Management

The Sport Management Concentration is designed to develop an understanding of sport and fitness from a managerial perspective. Through a unique combination of specialized courses within the Department of Health, Exercise and Sport Sciences and courses from related disciplines, students gain insights into both the theoretical and applied aspects of managing sport or fitness enterprises.

In addition to completing the Health, Exercise and Sport Sciences Core, Sport Management students must successfully complete a series of courses within the department and adjunct courses from liberal studies, business and computer science. Special attention is given to the behavioral dimensions of sport management and organizational skills, economic and business concerns, and legal and ethical issues in sport.

Degree requirements also include completion of two separate internship experiences in selected sport or fitness settings. These include, but are not restricted to, professional sports, intercollegiate sports, campus sports/ intramurals, amateur sports, community recreation, private sport clubs, corporate fitness, hotel fitness and resorts, sport retailing/merchandising, and international sport organizations.

Students must complete a minimum of 124 units with a Pacific cumulative and major/program grade point average of 2.0 in order to earn the bachelor of arts degree with a major in health, exercise and sport sciences with a concentration in sport management.

I. General Education Requirements

Minimum 42 units and 12 courses that include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PACS 001</td>
<td>What is a Good Society</td>
<td>4</td>
</tr>
<tr>
<td>PACS 002</td>
<td>Topical Seminar on a Good Society</td>
<td>4</td>
</tr>
<tr>
<td>PACS 003</td>
<td>What is an Ethical Life?</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: 1) Pacific Seminars cannot be taken for Pass/No Credit. 2) Transfer students with 28 or more transfer units complete 2 additional General Education elective courses from below in place of taking PACS 001 and PACS 002.

One course from each subdivision below:

Social and Behavioral Sciences
- IA. Individual and Interpersonal Behavior
- IB. U.S. Studies
- IC. Global Studies

Arts and Humanities

University of the Pacific - DRAFT COPY 3
Minimum 61 units that include:

VI. Major Requirements:

Select one of the following:

- SPTS 100 Introduction to Research 3
- SPTS 129 Principles of Exercise Physiology 4
- SPTS 165 Sports Law 4
- SPTS 167 Introduction to Sport Management 4
- SPTS 169 Managing Sport Enterprises 4
- SPTS 171 Sport Economics and Finance 4
- SPTS 174 Sport Marketing and Promotions 4
- SPTS 175 Sport Event and Facility Management 4
- SPTS 178 Internship: Sport Management 4
- SPTS 178B Internship: Sport Management 4
- BUSI 031 Principles of Financial Accounting 4
- BUSI 107 Marketing Management 4
- COMP 025 Computers and Information Processing 4
- ECON 053 Introductory Microeconomics 4

Select one of the following: 3-4

- SPTS 139 Exercise Psychology
- SPTS 141 Sport in America

Select one of the following: 3

- COMM 027 Public Speaking
- COMM 043 Introduction to Interpersonal Communication

Note: 1) No more than 2 courses from a single discipline may be applied to meet the requirements of the general education program.

II. Diversity Requirement

Students must complete one diversity course (3-4 units)

Note: 1) Transfer students with 28 units or more transfer units prior to fall 2011 are encouraged but not required to complete a designated course prior to graduation. 2) Courses may be used also to meet general education and/or major/minor requirements.

III. College of the Pacific BA Requirement

Students must complete one year of college instruction or equivalent training in a language other than English.

Note: 1) Transfer students with sophomore standing are exempt from this requirement.

IV. Fundamental Skills

Students must demonstrate competence in:

- Reading
- Writing
- Quantitative analysis

V. Breadth Requirement

Students must complete 64 units outside the primary discipline of the first major, regardless of the department who offers the course(s) in that discipline. (Courses include general education courses, transfer courses, CPCE/EXTN units, internships, etc.)

VI. Major Requirements:

Minimum 42 units and 12 courses that include:

- PACS 001 What is a Good Society 4
- PACS 002 Topical Seminar on a Good Society 4
- PACS 003 What is an Ethical Life? 3

Note: 1) Pacific Seminars cannot be taken for Pass/No Credit. 2) Transfer students with 28 or more transfer units complete 2 additional General Education elective courses from below in place of taking PACS 001 and PACS 002.

One course from each subdivision below:

Social and Behavioral Sciences

- IA. Individual and Interpersonal Behavior
- IB. U.S. Studies
- IC. Global Studies

Arts and Humanities

- IIA. Language and Literature
- IIB. Worldviews and Ethics
- IIC. Visual and Performing Arts

Natural Sciences and Mathematics

- IIIA. Natural Sciences
- IIIB. Mathematics and Formal Logic
- IIIC. Science, Technology and Society

or a second IIIA Natural Sciences course

Career Options for Sport Management

Employment opportunities following completion of the sport management concentration include, but are not limited to, marketing, sales, management, hospitality, law, sponsorship, community relations, athlete representation, tourism, facility management and public relations. These specialized areas can be found in amateur and professional sport, corporations through sport, community recreation centers, resorts, health and fitness centers, collegiate sport, casinos, stadiums and arenas.

The concentration also prepares students for graduate study in business, communications, sport management, and law.

Bachelor of Science Major in Athletic Training

The Bachelor of Science in Athletic Training is designed to prepare students in the application of scientific techniques to prevent, recognize, manage, and rehabilitate injuries to the active population. The program is specifically designed to provide the theoretical and practical learning experience requisite to certification by the Board of Certification (BOC). Students who select the Athletic Training Major must complete a series of courses within the department, adjunct courses from the natural sciences, and four consecutive semesters of clinical education.

During the clinical education portion of the program, athletic training students must accumulate a minimum of 800 hours (200 hours/semester) of clinical experience under the direct supervision of a Certified Athletic Trainer (ATC) or other allied health care professional. Students must also demonstrate proficiency in entry-level athletic training skills in the presence of an Approved Clinical Instructor (ACI). Students are required to meet prerequisite criteria and submit application materials before beginning the clinical education program. A limited number of students are admitted into the program each fall semester. Please visit the program’s website for more specific information about admission criteria, technical standards, and application materials. The program’s website is http://web.pacific.edu/x16883.xml

Students must complete a minimum of 124 units with a Pacific cumulative and major/program grade point average of 2.0 in order to earn the bachelor of science degree with a major in athletic training.

I. General Education Requirements

Minimum 42 units and 12 courses that include:

- PACS 001 What is a Good Society 4
- PACS 002 Topical Seminar on a Good Society 4
- PACS 003 What is an Ethical Life? 3

Note: 1) Pacific Seminars cannot be taken for Pass/No Credit. 2) Transfer students with 28 or more transfer units complete 2 additional General Education elective courses from below in place of taking PACS 001 and PACS 002.

One course from each subdivision below:

Social and Behavioral Sciences

- IA. Individual and Interpersonal Behavior
- IB. U.S. Studies
- IC. Global Studies

Arts and Humanities

- IIA. Language and Literature
- IIB. Worldviews and Ethics
- IIC. Visual and Performing Arts

Natural Sciences and Mathematics

- IIIA. Natural Sciences
- IIIB. Mathematics and Formal Logic
- IIIC. Science, Technology and Society

or a second IIIA Natural Sciences course
Note: 1) No more than 2 courses from a single discipline may be applied to meet the requirements of the general education program.

II. Diversity Requirement
Students must complete one diversity course (3-4 units)

Note: 1) Transfer students with 28 units or more transfer units prior to fall 2011 are encouraged but not required to complete a designated course prior to graduation. 2) Courses may be used also to meet general education and/or major/minor requirements.

III. Fundamental Skills
Students must demonstrate competence in:
- Reading
- Writing
- Quantitative analysis

IV. Breadth Requirement
Students must complete 64 units outside the primary discipline of the first major, regardless of the department who offers the course(s) in that discipline. (Courses include general education courses, transfer courses, CPCE/EXTN units, internships, etc.)

V. Major Requirements:
Minimum 65 units that include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPTS 089B</td>
<td>Practicum: Athletic Training I</td>
<td>2</td>
</tr>
<tr>
<td>SPTS 089K</td>
<td>Practicum: Athletic Training II</td>
<td>2</td>
</tr>
<tr>
<td>SPTS 100</td>
<td>Introduction to Research</td>
<td>3</td>
</tr>
<tr>
<td>SPTS 129</td>
<td>Principles of Exercise Physiology</td>
<td>4</td>
</tr>
<tr>
<td>SPTS 133</td>
<td>Kinesiology</td>
<td>4</td>
</tr>
<tr>
<td>SPTS 139</td>
<td>Exercise Psychology</td>
<td>4</td>
</tr>
<tr>
<td>SPTS 143</td>
<td>Care and Prevention of Athletic Injuries</td>
<td>4</td>
</tr>
<tr>
<td>SPTS 145</td>
<td>Therapeutic Modalities</td>
<td>4</td>
</tr>
<tr>
<td>SPTS 146</td>
<td>Health, Disease, and Pharmacology</td>
<td>4</td>
</tr>
<tr>
<td>SPTS 149</td>
<td>Clinical Evaluation and Diagnosis I</td>
<td>3</td>
</tr>
<tr>
<td>SPTS 150</td>
<td>Clinical Evaluation and Diagnosis II</td>
<td>3</td>
</tr>
<tr>
<td>SPTS 163</td>
<td>Therapeutic Exercise</td>
<td>4</td>
</tr>
<tr>
<td>SPTS 173</td>
<td>Health Care Management &amp; Professional Develop</td>
<td>4</td>
</tr>
<tr>
<td>SPTS 189B</td>
<td>Practicum: Athletic Training III</td>
<td>2</td>
</tr>
<tr>
<td>SPTS 189K</td>
<td>Practicum: Athletic Training IV</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 061</td>
<td>Principles of Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 071</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 081</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPTS 045</td>
<td>Science of Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>SPTS 135</td>
<td>Sports Nutrition</td>
<td>4</td>
</tr>
</tbody>
</table>

Career Options for Athletic Training
Employment opportunities following completion of the Athletic Training Major and passing the BOC Examination include athletic training at the secondary school and collegiate levels, professional athletic training, athletic training in clinical or industrial settings, athletic training in hospitals and clinics, and work toward advanced degrees in areas related to Athletic Training and Health and Exercise Science.

Minor in Sport Sciences
Students must complete a minimum of 20 units and 5 courses with a Pacific minor grade point average of 2.0 in order to earn a minor in sport sciences.

Minor Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPTS 127</td>
<td>History and Philosophy of Sport and PE</td>
<td>3</td>
</tr>
<tr>
<td>SPTS 147</td>
<td>Exercise Physiology I</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPTS 139</td>
<td>Exercise Psychology</td>
<td>4</td>
</tr>
<tr>
<td>SPTS 141</td>
<td>Sport in America</td>
<td>4</td>
</tr>
</tbody>
</table>

Three SPTS Electives (Nine additional units excluding ACTY 001-099, SPTS 025)

Note: 1) Student should work closely with their advisor in selecting electives. 2) These elective units would be selected on the basis of the specific area of Health, Exercise and Sport Sciences (e.g., Exercise Psychology, Athletic Training, Sport Management, Coaching, Sport Pedagogy, Health and Exercise Science) in which the student is interested.

Activity Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTY 001</td>
<td>Dance Team</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 002</td>
<td>Aerobics</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 003</td>
<td>Aikido</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 004</td>
<td>Badminton</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 005</td>
<td>Bowling</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 006</td>
<td>Cheerleading</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 007</td>
<td>Golf</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 008</td>
<td>Ice Skating</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 009</td>
<td>Kung Fu</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 010</td>
<td>Karate</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 011</td>
<td>Kick Box</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 012</td>
<td>Running for Health</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 013</td>
<td>Scuba</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 014</td>
<td>Advanced Scuba</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 015</td>
<td>Spirit Squad</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 016</td>
<td>Strength Training</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 017</td>
<td>Swimming for Health</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 018</td>
<td>Tennis</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 019</td>
<td>Volleyball</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 020</td>
<td>Filipino Martial Arts/Self-Def.</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 021</td>
<td>Weight Training</td>
<td>1 Unit.</td>
</tr>
<tr>
<td>ACTY 022</td>
<td>Yoga</td>
<td>1 Unit.</td>
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<tr>
<td>ACTY 023</td>
<td>Self-Defense for Women</td>
<td>1 Unit.</td>
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<tr>
<td>ACTY 024</td>
<td>Basketball</td>
<td>1 Unit.</td>
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<tr>
<td>ACTY 025</td>
<td>Tae-Kwon Do</td>
<td>1 Unit.</td>
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<tr>
<td>ACTY 050</td>
<td>Baseball, Intercollegiate</td>
<td>1 Unit.</td>
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<tr>
<td>ACTY 051</td>
<td>Basketball, Men's Intercollegiate</td>
<td>1 Unit.</td>
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SPORT SCIENCES COURSES

SPTS 023. First Aid. 1 Unit.
This course is designed to help the student achieve Red Cross certification in Standard First Aid and CPR. In addition to developing safety awareness, the student obtains a body of knowledge and practice skills that relate to proper medical emergency responses. Lab fee is required.

SPTS 025. Advanced First Aid. 2 Units.
Advanced First Aid and Emergency Care reviews concepts and theories in Standard First Aid and includes more sophisticated skill development: triage, extrication, traction splinting and water rescue. Includes CPR instruction. Standard First Aid is not a prerequisite although it is recommended that students have some basic first aid knowledge. Lab fee is required.

SPTS 041. Heart, Exercise and Nutrition. 4 Units.
This course is an introduction to the acute and chronic effects of exercise on the cardiovascular and musculo-skeletal systems. An individually prescribed exercise program based upon class discussion and laboratory assessment of aerobic capacity, blood lipids, and nutritional habits is offered as well as CPR certification. Lab fee is required.

SPTS 043. Health Education for Teachers. 3 Units.
This course examines objectives from the California Health Education Framework, the health status of youth, at-risk students, components of comprehensive school health education, the role of the teacher in school health services, and special health concerns of today’s youth. It is designed to satisfy the Commission for Teacher Credentialing requirement for health education and includes mandated information on nutrition, alcohol, tobacco, and other drugs.

SPTS 045. Science of Nutrition. 4 Units.
Students examine the digestion, absorption, and utilization of nutrients. The course includes an overview of the biochemistry of the macronutrients: carbohydrate, lipid, protein, and water; and micronutrients: vitamins and minerals. Role of nutrients in disease processes such as obesity, cardiovascular disease, and aging. Additionally, diet planning, production of food, and control of energy balance are covered. Students may not receive credit for this course if they take either BIOL 045 or SPTS 135. Lab fee is required.

SPTS 061. Medical Terminology. 4 Units.
This course provides a foundation in medical terminology for students in allied health curriculums who need to know the language on health care. Students are introduced to the major word parts used in the formation of medical terms which include suffixes, prefixes, and combining forms. Common words associated with the systems of the body are also studied. Instruction take place online through the Blackboard Learning System. There are no prerequisites for this course.

SPTS 087. Fieldwork. 2-4 Units.
This course is laboratory work in school and community agencies. The course is open to non-majors by permission of instructor. Grading is Pass/No credit only.

SPTS 089. Practicum. 1 OR 2 Unit.
The practicum offers non-classroom experiences in activities related to Sports Sciences, under conditions determined by the appropriate faculty member. SPTS 189 represents advanced practicum work involving increased independence and responsibility. Enrollment is limited to eight units maximum of 089/189A, B, C, D, H, J, K offerings and no category within a course may be repeated for credit. A list of specific courses follows.

SPTS 089A. Practicum: Adapted Physical Education. 2 Units.

SPTS 089B. Practicum: Athletic Training I. 2 Units.
This clinical education course in the field of athletic training incorporates an experiential learning environment designed to prepare students for a career in athletic training. Basic skills are introduced within the daily operations of the athletic training room and in the care of athletes. Criteria for progression must be met before enrolling in subsequent practicum course. Athletic Training majors or permission of instructor is required.

SPTS 089C. Practicum: Biomechanics. 2 Units.

SPTS 089D. Practicum: Exercise Physiology. 2 Units.

SPTS 089H. Practicum: Sports Law. 2 Units.

SPTS 089J. Practicum: Kinesiology. 2 Units.

SPTS 089K. Practicum: Athletic Training II. 2 Units.
This clinical education course in the field of athletic training incorporates an experiential learning environment designed to prepare students for a career in athletic training. Intermediate skills are introduced within the daily operations of the athletic training room and in the care of the athletes. Criteria for progression must be met before enrolling in subsequent practicum course. Prerequisite: SPTS 089B.

SPTS 100. Introduction to Research. 3 Units.
This course is designed to develop research skills specific to the fields within sport sciences. Students learn to collect, review, synthesize and critically analyze scholarly research. Students also be able to create research questions and establish hypotheses, and they are exposed to a variety of ways to collect data and learn to apply the appropriate techniques to interpret data. Finally, this course presents the ways in which research can be applied to sport sciences. The course is only open to Sport Sciences Majors with sophomore standing or higher.

SPTS 120. Instructional Strategies and Methods of Teaching and Coaching. 4 Units.
SPTS 120 is designed for the future physical educator or coach to deliver an effective, meaningful physical education curriculum to a diverse population of students. Emphasis is on physical education pedagogy; the skills and techniques that successful teachers use to ensure student learning. Students engage in guided teaching and systematic observation experiences at the primary and secondary school levels in an effort to introduce them to effective teaching and coaching behaviors.
SPTS 121. Analysis of Team and Individual Sports. 3 Units.
An applied motor learning approach to skill acquisition for team and individual sports. In addition to personal skill development, students learn to prepare the introduction, explanation and demonstration of sports skills; develop and maintain skill levels through practice and reinforcement; analyze movement by systematically observing performance; utilize biomechanical concepts to analyze, correct and enhance performance and cognitive processes to improve performance. Ten to 15 different team and individual sports presented and instruction time per sport varies. Lab fee required.

SPTS 123. Analysis of Nontraditional Games and Sports. 3 Units.
An applied motor learning approach to skill acquisition for nontraditional games and sports. A variety of nontraditional games and outdoor activities embedded in the CA curriculum framework for physical education. Clinical experience is provided for secondary students in the community. Eight to 10 different nontraditional games and sports presented and instruction time per sport varies. Lab fee required.

SPTS 127. History and Philosophy of Sport and PE. 3 Units.
The course is designed to explore the development of sports and physical education from Ancient Greece to the present day. Students examine the organization, purpose and goals of the sports and PE programs and critically evaluate a range of topics including but not limited to: performance-enhancing practices, equity and inclusion and health-related trends. The intention is to develop the students’ understanding of the historical and philosophical foundations of sports and PE and examine the implications of these for goals, scope and components of sport and PE programs in America.

SPTS 129. Principles of Exercise Physiology. 4 Units.
A course designed to meet the broad needs of Sports Sciences majors, utilizing a practical approach based on underlying physiological principles as guidelines for exercise practices, as found in physical education, athletics, adult exercise prescription and other settings. Outside laboratory assignments are carried out for the purpose of demonstrating basic physiological responses and the resulting principles that are drawn from them for application in exercise and testing settings. Lab fee required.

SPTS 131. Assessment and Evaluation. 4 Units.
This course is the development of competencies of Sport Sciences majors for the design and implementation of procedures to appropriately measure and evaluate students, clients and/or programs. Basic data acquisition methods and statistical analysis techniques are presented. A Lab fee is required.

SPTS 133. Kinesiology. 4 Units.
This course is a functional study of musculoskeletal anatomy and its relationship to human movement, posture, exercise prescription, and rehabilitation. Prerequisite: BIOL 011 or 051 or 061 or permission of instructor, and lab fee required.

SPTS 135. Sports Nutrition. 4 Units.
Students study the principles of nutrition as they relate to health and participation in sports or physical activity. Topics include calculating energy needs and expenditures, energy balance and the role of carbohydrates, fat, protein, vitamins, minerals, and water in sports nutrition.

SPTS 137. Psycho-Social Aspects of Sport. 3 Units.
Students study the manner in which psychological factors influence sport performance and the manner in which sport participation can influence the human psyche. Theories concerning the relationship between human cognition, behavior and sport performance are covered. Particular emphasis is given to the practical application of these theories.

SPTS 139. Exercise Psychology. 4 Units.
This course employs the theories and methods of psychology to examine the related fields of competitive sports, fitness, exercise, and rehabilitation from injury. Major questions addressed in the course include: How do psychological factors influence participation in physical activity and performance of the individual? How does participation in physical activity or incapacity due to an injury affect the psychological make-up of the individual? These questions are explored from educational, coaching, research, and clinical perspectives.

SPTS 141. Sport in America. 4 Units.
This course is designed to explore the relationship between sport, culture and society in both the USA and the broader global world. Students learn to critically examine a wide range of topics that include, but not limited to, sport & gender, sport & race, global sports worlds, drugs and violence in sport, sport & politics and the crime-sport nexus. The intention of this course is to develop the student’s sociological imagination and encourage the student to think critically about the role sport plays in the development of societies, ideologies and everyday life.

SPTS 142. Sport and Globalization. 4 Units.
This course examines the interaction between sport and globalization. The foundation of the course is to provide a basic understanding of globalization and its underlying forces. It will provide a foundation for the course. The main focus of the course is the reciprocal nature of sport and globalization with special attention given to sport economic, cultural, and political issues. This course explores sport tourism and the Olympics as the two main intersections of sport and globalization.

SPTS 143. Care and Prevention of Athletic Injuries. 4 Units.
This course provides an overview of the field of athletic training, its organization, and the responsibilities of a certified athletic trainer (ATC) as a part of the sports medicine team. Instruction emphasizes prevention, recognition, and immediate care of injuries and illnesses associated with physical activity. This course is recommended for freshman and a lab fee is required.

SPTS 145. Therapeutic Modalities. 4 Units.
This course is a lecture and laboratory experience designed to expose the student to the theory, principles, techniques and application of therapeutic modalities pertaining to the treatment of athletic or activity related injuries. Topics include discussions of the physiological effects, indications, contraindications, dosage and maintenance of each modality. Recommended: BIOL 081. Lab fee is required.

SPTS 146. Health, Disease, and Pharmacology. 4 Units.
This course is an in-depth exploration of physical, mental, and social health with specific emphasis on recognizing the signs, symptoms, and predisposing conditions associated with the progression of specific illnesses and diseases as they relate to the physically active individual. Students also develop an awareness of the indications, contraindications, precautions, and interactions of medications used to treat those illnesses and diseases.

SPTS 147. Exercise Physiology I. 4 Units.
Exercise and prescription: This course is primarily designed to familiarize students with the hands-on training and theoretical background needed to competently assess levels of wellness/fitness in an “apparently healthy” (i.e. low risk) adult population. The topics and skills addressed include measurement protocols for the health-related components of fitness. These skills are used to prescribe lifestyle and/or exercise modifications that improve health. Prerequisite: BIOL 011, 041, 051 or 061. Lab fee required.
SPTS 149. Clinical Evaluation and Diagnosis I. 3 Units.
This course presents an in-depth study of musculoskeletal assessment of the lower extremity, thoracic and lumbar spine for the purpose of identifying (a) common acquired or congenital risk factors that would predispose an individual to injury and/or (b) musculoskeletal injury common to athletics or physical activity. Students receive instruction in obtaining a medical history, performing a visual observation, palpating bones and soft tissues, and performing appropriate special tests for injuries and conditions of the foot, ankle, lower leg, knee, thigh, hip, pelvis, lumbar and thoracic spine. This course is directed toward students who pursue athletic training and/or physical therapy professions. Prerequisite: SPTS 133 or BIOL 071, and a lab fee is required.

SPTS 150. Clinical Evaluation and Diagnosis II. 3 Units.
This course presents an in-depth study of musculoskeletal assessment of the upper extremity, cervical spine, head and face for the purpose of identifying (a) common acquired or congenital risk factors that would predispose an individual to injury and/or (b) musculoskeletal injury common to athletics or physical activity. Students receive instruction in obtaining a medical history, performing a visual observation, palpating bones and soft tissues, and performing appropriate special tests for injuries and conditions of the shoulder, upper arm, elbow, forearm, wrist, hand, fingers, thumb, cervical spine, head, and face. This course is directed toward students who pursue athletic training and/or physical therapy professions. Students may take this course independent of SPTS 149. Prerequisite: SPTS 133 or BIOL 071. Lab fee is required.

SPTS 151. Elementary Physical Education. 3 Units.
This course is designed to prepare students for employment in an elementary school setting and provide them with the tools necessary to formulate and implement a comprehensive elementary PE experience for all students. Participants learn a wide range of teaching skills that facilitate the ability to create a quality active learning environment in elementary PE. Students explore effective teaching and assessment strategies, classroom management skills, the use of constructive feedback, the negotiation of diverse classrooms and the development of appropriate student learning outcomes. Students also are introduced to the subject matter of elementary PE and will undertake several teaching episodes. This course encourages students to engage in reflexive teaching practices, develop physically educated young people, maximize student involvement and enjoyment in PE and integrate core curriculum subject matter into PE lessons.

SPTS 152. Secondary Physical Education. 4 Units.
SPTS 152 is designed for junior/senior level students in the Sport Sciences/Sport Pedagogy concentration to deliver an effective, meaningful physical education curriculum to diverse students. This course covers curriculum components that include content, content organization, distinctive curriculum models and aspects of curriculum application. Students learn how to sustain a positive learning experience, conceive and plan meaningful curricula for school based instruction, and link the school program to opportunities for adolescents outside of school. Prerequisites: SPTS 121, 123, 151.

SPTS 153. Equity and Inclusion in Physical Education. 4 Units.
This course is designed to provide students with the theoretical and practical tools necessary to teach PE within a diverse classroom. Students learn a wide range of teaching skills that facilitate their ability to create a quality inclusive learning environment in Physical Education. Particular attention is paid to the following diversity categories, disabilities, gender, ethnicity and social class. Students explore a variety of adapted PE activities, federal/state legislative mandates and related polices, effective teaching and assessment strategies, classroom management skills, the use of constructive feedback and the development of appropriate student learning outcomes within diverse classrooms. Students undertake a number of peer-to-peer teaching episodes. The course encourages the students to engage in reflexive teaching practices, develop inclusive PE lessons sensitive to diversity issues and maximize student involvement and enjoyment in PE.

SPTS 155. Motor Learning. 3 Units.
This course examines aspects of skilled performance and motor learning from a developmental perspective. It is concerned with the major principles of human performance and skill learning, the progressive development of a conceptual model of human actions and the development of skill through training and practice. Topics include human information processing, decision-making and movement planning, perceptual processes relevant to human movement, production of movement skills, measurement of learning, practice design, preparation, organization, and scheduling; use of feedback, in addition to the application of motor learning principles to sport, physical education, industrial and physical therapy settings.

SPTS 157. Clinician in Sports Medicine. 4 Units.
This course integrates theory and practice and requires students to develop a research topic, consistent with an explicitly and narrowly defined area of interest. Permission of instructor is required.

SPTS 159. Sport Pedagogy. 3 Units.
SPTS 159 is designed for the future physical educator to deliver an effective, meaningful physical education experience to diverse students and help them sustain it through the knowledge to conceive and plan meaningful curricula, the administrative skill to produce an organizational structure within school time that optimizes the impact of the program, and the creative energy to link the school program to opportunities for children and youths outside of school. Prerequisites: SPTS 131, 151.

SPTS 161. Biomechanics of Human Movement. 4 Units.
This course is an introduction to the biomechanics of human movement and the analytic procedures and techniques for subsequent application in the sport sciences and related fields. The course includes a review of basic functional/mechanical human anatomy and kinesiology. Outcome objectives are an understanding of mechanical principles governing human movement, skill in use of a variety of measurement techniques commonly applied in biomechanics, an ability to analyze motor skill performance via cinematographic/computer methodologies and skill in prescriptively communicating results of analysis. Prerequisite: BIOL 011 or 051 or 061 or permission of instructor, and a lab fee is required.

SPTS 163. Therapeutic Exercise. 4 Units.
This course is an application of the theory and principles associated with therapeutic exercise and the application of various rehabilitation techniques and procedures during the course of an athlete’s rehabilitation to attain normal range of motion, strength, flexibility, and endurance. Prerequisite: SPTS 133 or permission of instructor, and a lab fee is required.
SPTS 165. Sports Law. 4 Units.
This course addresses legal issues and responsibilities relevant to professionals in the areas of sports medicine, sport management, sport pedagogy and athletics. General legal principles supported by case law in such areas as negligence, contract law, constitutional law, antitrust laws and unlawful discrimination are offered. Junior standing or permission of instructor is required.

SPTS 167. Introduction to Sport Management. 4 Units.
This course is for beginning sport management students and students interested in sport business. Students study general academic, managerial, and business concepts related to sport and explore the variety of sport and fitness-related businesses and organizations within the public and private sectors. Potential career opportunities are considered.

SPTS 169. Managing Sport Enterprises. 4 Units.
This course is the application of theory and concepts to agency management. Study areas include: management theories and formal organization relevant to organizational goals, legal concerns and policy development, decision-making, marketing, time management, budgeting and financial management, personnel management and communication, motivation, crisis management, productive training and evaluation. An essential part of the course lies in the development of individual management skills. Prerequisite: SPTS 167 or permission of instructor.

SPTS 171. Sport Economics and Finance. 4 Units.
This course is designed to address the respective areas of sport economics, finance, and labor relations. Both theoretical and practical aspects are explored. Students examine sport as a multi-billion dollar industry and analyze the role of sport within the larger socio-economic structure within the United States and internationally. Prerequisites: ECON 053 and BUSI 031 and Junior standing.

SPTS 172. Case Analysis in Sport and Fitness Management. 4 Units.
This course addresses the principles and practices pertinent to the development and operation of the private and commercial sport or fitness enterprise. The case study method focuses on designing and implementing the prospectus, feasibility studies, and the analysis of organizational effectiveness. Topics of special interest include the planning and controlling of resources, facility operations, and strategies for production and operations management.

SPTS 173. Health Care Management & Professional Develop. 4 Units.
SPTS 173 is an in-depth study of the management of health care organizations related to finances, facilities, equipment, organizations structures, medical/insurance records, risk management, human relations, and personnel. Practical and conceptual skills are taught to help students focus on more efficient health care delivery. Also covered is the development of leadership skills, future trends in health care management, guidelines for designing effective work groups and managing conflict.

SPTS 174. Sport Marketing and Promotions. 4 Units.
This course is an in-depth study of the specific challenges associated with the field of sport and life-style marketing. Mainstream marketing theory and principles are applied to develop an understanding of sport marketing research, sport consumer behavior, sponsorship, promotions, information management, public relations, and the segmentation process. Prerequisite: SPTS 169.

SPTS 175. Sport Event and Facility Management. 4 Units.
This course is a comprehensive investigation into the principles needed to design, implement, and manage all types of sport events and facilities. Planning, logistics, risk management, human resource management, and marketing of events and facilities are given special attention. Opportunities for the application of these principles are also provided. Prerequisites: BUSI 107 and SPTS 174.

SPTS 176. Exercise Physiology I. 4 Units.
This course seeks to fulfill two main objectives: 1) To establish a foundational understanding of clinical exercise testing used to examine cardiac, metabolic and respiratory pathology. 2) To provide a more in-depth examination of several basic exercise physiology concepts introduced in Exercise Physiology I. These include lactate kinetics, oxygen dynamics, pulmonary function and cardiovascular function during exercise and in response to training. Prerequisite: SPTS 147, and a lab fee is required.

SPTS 177. Exercise Physiology II. 4 Units.
This course seeks to fulfill two main objectives: 1) To establish a foundational understanding of clinical exercise testing used to examine cardiac, metabolic and respiratory pathology. 2) To provide a more in-depth examination of several basic exercise physiology concepts introduced in Exercise Physiology I. These include lactate kinetics, oxygen dynamics, pulmonary function and cardiovascular function during exercise and in response to training. Prerequisite: SPTS 147, and a lab fee is required.

SPTS 179. Introduction to Research. 4 Units.

SPTS 180. Exercise Testing/Prescription. 4 Units.
This course is primarily designed to provide students with the hands-on training and theoretical background to competency assess levels of wellness/fitness in an “apparently healthy” (i.e. low risk) adult population. The topics and skills addressed include health screening protocols/risk stratification, use of Informed Consent documents, as well as measurement protocols for the health-related components of fitness (i.e. cardiorespiratory fitness, muscular fitness, flexibility, body composition). These skills are then used to prescribe lifestyle and/or exercise modifications that result in individual progress toward a desired goal. The content of this course is highly focused toward the knowledge and skills required for taking the ACSM Fitness Specialist (HFS) certification exam.

SPTS 181. Internship in Sports Medicine. 4 Units.
This course provides an opportunity for qualifying students to work in an area of Sports Medicine that interests them. Prerequisites: SPTS 157, GPA 2.0 and no grade in major below C- in addition to approval of course supervisor.

SPTS 182. Introduction to Research. 4 Units.

SPTS 187A. Internship: Sport Management. 4 Units.
The internship in Sport Management at the University of the Pacific is a management and leadership experience for upper division majors who have successfully completed a majority of their theory classes. Prerequisites: SPTS 175 and permission of instructor. Grading is Pass/No credit only.

SPTS 187B. Internship: Sport Management. 4 Units.
The internship in Sport Management at the University of the Pacific is a management and leadership experience for upper division majors who have successfully completed a majority of their theory classes. Prerequisites: SPTS 175 and permission of instructor. Grading is Pass/No credit only.

SPTS 187D. Sport Pedagogy Internship I. 2 Units.
This class involves the student completing a semester-long internship connected to their chosen field of sport pedagogy. This internship develops their evaluation skills and encourage the student to engage in reflexive teaching practices to better prepare themselves for the challenges and terrain of their post-graduation employment. Prerequisite: SPTS 131.

SPTS 187E. Sport Pedagogy Internship II. 4 Units.
This class involves the student completing a semester-long internship connected to their chosen field of sport pedagogy. This internship develops their evaluation skills and encourage the student to engage in reflexive teaching practices to better prepare themselves for the challenges and terrain of their post-graduation employment. Prerequisite: SPTS 187D.
SPTS 189. Practicum. 1 OR 2 Unit.
The practicum offers non-classroom experiences in activities related to Sports Sciences, under conditions determined by the appropriate faculty member. SPTS 189 represents advanced practicum work involving increased independence and responsibility. Enrollment is limited to eight units maximum of 089/189A, B, C, D, H, J, K offerings and no category within a course may be repeated for credit. A list of specific courses follows.

SPTS 189A. Practicum: Adapted Physical Education. 2 Units.
These courses provide advanced practicum work in Sports Medicine. See SPTS 089 for subcategories and enrollment limitations.

SPTS 189B. Practicum: Athletic Training III. 2 Units.
A clinical education course in the field of athletic training. It incorporates an experiential learning environment designed to prepare students for a career in athletic training. Advanced skills are introduced within the daily operations of the athletic training room and in the care of the athletes. Criteria for progression must be met before enrolling in subsequent practicum course. Prerequisite: SPTS 089K.

SPTS 189C. Practicum: Biomechanics. 2 Units.
These courses provide advanced practicum work in Sports Medicine. See SPTS 089 for subcategories and enrollment limitations.

SPTS 189D. Practicum: Exercise Physiology. 2 Units.
These courses provide advanced practicum work in Sports Medicine. See SPTS 089 for subcategories and enrollment limitations.

SPTS 189E. Practicum: Sport Pedagogy. 2 Units.
This course offers a supervised leadership experience in the elementary or secondary school setting. The student works as a physical education specialist and develops as well as conducts appropriate physical activity programs. Prerequisites: SPTS 151 or SPTS 159 and permission of instructor.

SPTS 189F. Practicum: Coaching. 2 Units.
Students are assigned to an intercollegiate or interscholastic sports team for the semester and participate in practice sessions throughout the specific sport season. Written guidelines are developed cooperatively by the supervisor, coach and student. Prerequisites: SPTS 139 and SPTS 155.

SPTS 189G. Practicum: Coaching. 2 Units.
Students will be assigned to an intercollegiate or interscholastic sports team for the semester and will participate in practice sessions throughout the specific sport season. Written guidelines will be developed cooperatively by the supervisor, coach and student. Prequisites: SPTS 139 and 155.

SPTS 189H. Practicum: Sports Law. 2 Units.
These courses provide advanced practicum work in Sports Medicine. See SPTS 089 for subcategories and enrollment limitations.

SPTS 189J. Practicum: Kinesiology. 2 Units.
These courses provide advanced practicum work in Sports Medicine. See SPTS 089 for subcategories and enrollment limitations.

SPTS 189K. Practicum: Athletic Training IV. 2 Units.
This clinical education course is in the field of athletic training. It incorporates an experiential learning environment designed to prepare students for a career in athletic training. The focus of this course is mastery of all entry-level skills encountered within the daily operations of the athletic training room and in the care of the athletes. Students go through final preparations for the NATABOC examination. Prerequisite: SPTS 189B.

SPTS 191. Independent Study. 1-4 Unit.

SPTS 195. Ethical Issues in Sport. 3 Units.

SPTS 197. Independent Research. 1-4 Unit.

Health, Exercise and Sport Sciences Faculty
Peter J. Schroeder, Associate Professor and Chair, 2007, BS, Truman State University, 1996; MA University of the Pacific, 1998; EdD University of Missouri, 2003.

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Brian D. Moore, Assistant Professor, 2011, BA, Loyola Marymount University, 1998; MEd, University of Virginia, 2000; PhD University of California-Davis, 2012

Christopher Snell, Professor, 1990, BA, Bedford College, 1987; MS, University of Oregon, 1990; PhD, 1993.

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