

THE DEPARTMENT OF KINESIOLOGY, SPORT STUDIES, AND PHYSICAL EDUCATION

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The Department of Kinesiology, Sport Studies, and Physical Education is home to five majors in the following areas: athletic training, exercise physiology, kinesiology, physical education teacher education, and sport management. The department also sponsors concentrations in adapted physical education, sport management, and a minor in coaching. This organizational structure represents a curricular change in the department since the last catalog, moving from a liberal arts major in physical education with four professional concentrations (athletic training, exercise physiology, teacher certification and sport management) to five stand alone majors (athletic training, exercise physiology, kinesiology, physical education teacher education and sport management).

This curricular change was prompted by shifts in the profession at large and the new organization has allowed for stronger professional preparation in each field. The Kinesiology major retains a liberal arts orientation, providing students with an opportunity to study human movement from a variety of perspectives – e.g. philosophical, sociological, scientific, etc., often in preparation for graduate study. The remaining four majors retain a professional orientation, preparing students for specific careers in athletic training, exercise physiology, teaching/coaching and sport management. While each major retains a “core” of courses, that core may differ markedly from one major to another, again helping to strengthen each major and provide the best possible preparation for all students. Each major is described in detail below.

1. Athletic Training Major

Athletic training is an allied health profession dealing with the prevention, recognition, management and rehabilitation of athletic injuries. In this role, the athletic trainer can successfully decrease injury time and promote a quick, safe return to competition. Certified Athletic Trainers (ATC's) typically work in a variety of settings including colleges and universities, with professional teams, high schools and sports medicine clinics. Recently, the recognition and demand for ATC's has increased greatly due to the athletic and recreational nature of our society.

The Athletic Training Major at The College at Brockport is accredited through the Commission on Accreditation of Athletic Training Education (CAATE). Athletic training is a major within the Department of Kinesiology, Sport Studies, and Physical Education. The program is carefully designed to meet competencies identified by the National Athletic Trainers' Association (NATA) and prepares students to successfully complete the Board Certification

(BOC) exam. The program at Brockport is supervised by Certified Athletic Trainers who have teaching and clinical responsibilities.

Admission: Admission into the academic portion of the athletic training major is open to any student, however, admission into the professional portion of the athletic training major is competitive and requires formal application (refer to the Athletic Training Web site for the current admission criteria). The application process occurs in the fall semester of each academic year. Students may apply to the athletic training professional portion if they are enrolled in or have completed PES 385 Basic Athletic training and BIO 221 Survey of Anatomy and Physiology with grades of “C” or better. Typically this would be during the fall semester of the sophomore year.

The following must be completed prior to admission:

1. Application for Admission to the professional portion of the athletic training major
2. Copies of all previous transcripts:
 - Freshmen send high school and all college transcripts
 - Transfers send all college transcripts
3. Provide two letters of recommendation from former or present supervising athletic trainer, team physician, instructor, coach, etc.
4. Must possess a current GPA of 2.5 or better on a 4.0 scale
5. Must have attained a grade of “C” or better in all courses required for athletic training
6. Documentation of fulfillment of Technical Standards for Athletic Training (includes health screening and proof of immunizations)
7. After completion of 1-7, interview with athletic training staff. During the interview the athletic training staff will be considering the following factors:
 - Motivation
 - Enthusiasm for athletic training
 - Established professional goals
 - Confidence
 - Good academic ability
 - Good study habits
 - Professional appearance
 - Reliability
 - Understanding of the time commitment to athletic training
 - Initiative

To be retained in the professional portion of the athletic training major, students must:

1. Complete all required course work
2. Complete required clinical experiences (five consecutive semesters). All clinical proficiencies associated with each semester of clinical experiences must be completed in order to progress to the next clinical experience course.
3. Complete required competencies and clinical proficiencies
4. Maintain a minimum grade of “C” in all courses within the curriculum
5. Comply with technical standards and immunization requirements (see Athletic Training Web site)
6. Adhere to all policies and procedures outlined in the *Athletic Training Handbook*
7. Adhere to regulations governing the practice of Athletic Training in New York State (Article 162, Section 8350)
8. Adhere to National Athletic Trainers’ Association Code of Ethics
9. Maintain certification in First Aid and CPR/AED.

Failure to comply with the above criteria will result in dismissal from the professional portion of the athletic training major.

Students who have not met admission requirements for the professional portion but would like to continue to try OR students who have failed to be retained in the professional portion of the athletic training major continue to be eligible to take courses from A, B and C below. HOWEVER, students who complete A, B, and C academic coursework but who fail to meet the requirements for admission to or be retained in the professional portion of the major will be eligible to count these courses toward other majors in the department but will NOT receive a major in AT.

A. Pre-requisites to the Athletic Training Major (7 credit)

BIO 221	Survey of Anatomy and Physiology (4 credits)
PES 385	Basic Athletic Training (3credits)

B. Required General Education Courses: (3 credits)

PSY 110	Principles of Psychology (3 credits)
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C. Academic Core Requirements: (34 credits)

BIO 321	Anatomy and Physiology I (4 credits)
BIO 322	Anatomy and Physiology II (4 credits)
HLS 311	Nutrition (3 credits)
HLS 301	Principles of Health Living (3 credits)
PES 325	Kinesiological Bases for Exercise and Sport (4 credits)
PES 335	Physiological Bases for Exercise and Sport (4 credits)
PES 439	Motor Learning (3 credits)
PES 420	Biomechanics (3 credits)
PES 430	Foundations of Sport & Exercise Psychology (3 credits)
PSH 202	Introductory Statistics (3 credits)

D. Required Professions Courses: (22 credits)

PEP 255	Taping for Athletic Training (1 credit)
PES 411	Advanced Athletic Training (3 credits)
PES 412	Athletic Injury Assessment (3 credits)
PEP 356	Therapeutic Modalities (3 credits)
PEP 357	Muscle Testing (3 credits)
PEP 358	Therapeutic Exercise (3 credits)
PEP 359	Organization and Administration of AT (3 credits)
PEP 362	Strength and Conditioning for AT (3 credits)

Clinical Experience

The athletic training major at The College at Brockport requires that all students in the professional portion of the major complete five semesters of clinical experience under the supervision of a BOC certified athletic trainer before taking the BOC certification examination. At The College at Brockport, students are supervised by certified athletic trainers and by the team physician. Students acquire their clinical hours through PEP 471-475, Clinical Experience in Athletic Training I-V course work. These Clinical Experience classes are taken over a period of five consecutive semesters after acceptance into the professional portion of the major.

A clinical instruction fee (liability insurance) will be charged to each student enrolled in PEP471-PEP475.

E. Required Clinical Experience Courses (5 credits)

PEP 471	Clinical Experience in Athletic Training I (1 credit)
PEP 472	Clinical Experience in Athletic Training II (1 credit)
PEP 473	Clinical Experience in Athletic Training III (1 credit)
PEP 474	Clinical Experience in Athletic Training IV (1 credit)
PEP 475	Clinical Experience in Athletic Training V (1 credit)

Certification

The Board of Certification (BOC) requires that all candidates seeking certification meet the following criteria:

1. Graduate for a CAATE accredited undergraduate athletic training program
2. Complete two years of clinical practical experience (four semesters) under the supervision of a BOC Certified Athletic Trainer
3. Possess current First Aid and CPR/AED (Professional Rescuer) Certification
4. Posses a bachelor's degree, and
5. Successfully complete the BOC examination

For the most current information on the athletic training major, please refer to the program Web site.

2. Exercise Physiology Major

The exercise physiology major is designed to prepare students for employment in the following areas:

- Cardiac and/or pulmonary rehabilitation specialist
- Personal trainer
- Corporate fitness personnel
- Strength and conditioning coach
- Sport research scientist
- Graduate study in exercise physiology, physical therapy, physician assistant school, or related areas

Professional opportunities for exercise physiologists and fitness specialists have continued to increase during the past several years. The medical community has recently accepted the vital role that exercise plays in prevention and treatment of disease. In addition, the challenges of obesity that face our nation suggest that those involved in exercise and health related undergraduate programs will likely be viewed as high priority employees.

Employment is possible in a variety of settings including hospitals, clinics, YMCA's, health spas, athletic clubs, industry, elite sport organizations, and professional teams. Salary and level of responsibility are usually commensurate with years of experience and level of education.

Admission and Continuation:

All students can declare the intent to major in exercise physiology. However, in order to register for PES 410 (Physiology of Exercise II), students must have taken ≥ 12 credits at The College at Brockport **and** posses \geq a 2.50 **overall** GPA and at least a "C" grade in BIO 221 and PES 335.

In order to qualify for the internship exit interview, students must get a "C" or better in all courses in the major, including pre-requisites, and have at least a 2.50 GPA in the exercise physiology major.

Exercise Physiology Major: Curriculum (66-69 credits)**A. Pre-requisite to the Exercise Physiology Major (4 credits; not part of 66-69 total)**

BIO 221	Survey of Anatomy and Physiology	4
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B. Required Academic Core (57 credits):

Credits		
PES 325	Kinesiological Bases for Exercise and Sport	4
PES 335	Physiological Bases for Exercise and Sport	4
PES 410	Physiology of Exercise II	3
PES 413	Human Development and Movement	3
PES 416	Laboratory Techniques in Exercise Physiology	3
PES 420	Biomechanics	3
PES 460	Ethics of Sports Contests	3
PEP 361	Cardiac Rehabilitation: Theory and Application	3
PEP 362	Strength and Conditioning	3

PES 385	Basic Athletic Training	3
PEP 458	Internship in Exercise Physiology	3
HLS 311	Nutrition	3
HLS 488	Applied Biostatistics and Epidemiology	3
CHM 205	College Chemistry I	4
CHM 206	College Chemistry II	4
BIO 321	Anatomy and Physiology I	4
BIO 322	Anatomy and Physiology II	4

C. Required Electives (9-12 credits): select three courses
Credits

PES 350	History of Sport, Play, and Exercise	3
PES 430	Foundations of Sport and Exercise Psychology	3
PES 441	Sport and Society	3
PES 445	Social Psychology of Sport	3
PES 446	Sport Spectating in the United States	3
PES 451	The Modern Olympic Games	3

Can take no more than one from the above elective list, if desired

PES 401	Physical Activity in Adulthood	3
PES 405	Obesity and Society	3
PES 439	Motor Learning	3
PES 495	Directed Study in Exercise Physiology	3
PES 499	Independent Study in Exercise Physiology	3

MTH 201	Calculus I	3
PHS 201	College Physics I w/Lab	4
PHS 202	College Physics II w/Lab	4
BIO 466	General Endocrinology	3
BIO 467	Biochemistry I	4
BIO 468	Biochemistry II	4
CHM 305	Organic Chemistry I	4
CHM 306	Organic Chemistry II	4

Recommended sequence of courses:

Freshmen: BIO 221

Sophomores: PES 335, PES 325, PEP 362, CHM 205, CHM 206

Juniors: BIO321, BIO 322, PES 420, PES 385, HLS 311, PES 413, HLS 488

Seniors: PES 410, PES 416, PEP 361, PES 460

Summer: PEP 458 (internship)

D. 3 electives from the major must also be taken over the course of the four years, along with General Education requirements.

3. Kinesiology Major (34 credits)

A. Required academic core courses (22 credits)

The kinesiology major is an undergraduate option that permits the student to individualize a course of study from several academic offerings in the Department of Kinesiology, Sport Studies, and Physical Education. The kinesiology major is intended for the student who desires greater flexibility in choosing courses related to the study of human movement and physical activity, but is not interested in a specific professional orientation. The program of study chosen can prepare the student for graduate work in a specific discipline or degree program in human movement

science (e.g. sport philosophy, history of sport, biomechanics, sport psychology, motor behavior, or other related areas). Students majoring in kinesiology are required to complete a 22-credit academic core and a 12-credit elective pool in consultation with a major advisor.

Required Core Courses

		Credits	
PES	305	Significance of Physical Activity	3
PES	326	Kinetics of Exercise and Sport	3
PES	335	Physiological Bases for Exercise and Sport	4
PES	349	Motor Learning	3
PES	3xx	Advanced Performance	3
PES	430	Foundations of Sport and Exercise Psychology	3
PES	441	Sport in Society	3
Total:			22

B. Electives

			Credits
PES	3XX	Advanced Performance*	3
PES	315	Fitness for Healthful Living	3
PES	325	Kinesiological Bases for Exercise and Sport	3
PES	350	History of Sport, Play, and Exercise	3
PES	360	Philosophy of Sport, Play, and Exercise	3
PES	396	Women in Sport	3
PES	399	Independent Study	3
PES	401	Physical Activity in Adulthood	3
PES	405	Obesity in Society	3
PES	413	Human Development and Movement	3
PES	414	Assessment Physical Education and Sport	3
PES	420	Biomechanical Skill Analyses	3
PES	445	Social Psychology of Sport	3
PES	446	Sport Spectating in the United States	3
PES	451	The Modern Olympic Games	3
PES	460	Ethics of Sport Contests	3
PES	461	Theories of Play	3
PES	490	Physical Education Exchange Program	15
PES	495	Topics in Physical Education	1-3
PES	499	Independent Study	1-3

* Maximum of one Advanced Performance course

4. Physical Education Teacher Education (PETE) Certification Program

The teacher education program leads to “initial certification” to teach physical education in grades PreK-12 in New York State. To obtain “professional certification” students must earn a master’s degree within five years of initial certification. This program also certifies successful candidates to coach in New York. Depending on how students meet requirements in General Education, the academic major in physical education, and in teacher certification, it may take more than 120 credits to complete this program.

The Physical Education Teacher Education Certification Program is accredited by the National Accreditation Association for Teacher Education (NCATE).

Admission: In order to meet New York State Department of Education standards for teacher certification programs, only a limited number of students each semester can be admitted to the

program as evidenced by enrollment in PEP 441. To be eligible for a seat in PEP 441, students must have a 2.5 The College at Brockport grade point average for at least 12 credits of work, of which no more than 30 percent of the credits are in “activity” classes.

Other Requirements:

1. Pre-acceptance requirements
 - a) Completion of the required application form
 - b) Payment of the College-mandated application fee
2. Field experience requirements
 - a) Completion of the required application forms
3. Pre-student teaching requirements:
 - a) Completion of at least 108 credits prior to student teaching
 - b) Completion of all General Education requirements
 - c) Completion of the foreign language requirement
 - d) Completion of all physical education major requirements
 - e) A minimum 2.0 GPA in the physical education major (transfer classes do not count)
 - f) Completion of all teacher certification courses with a grade of “C” or better (a grade of “C” or better is required in all teacher certification methods classes, teacher certification elective pool classes, and all activity classes)
 - g) Satisfactory completion of the health-related physical fitness test
 - h) Completion of a student teaching application
 - i) Attainment of an overall Brockport GPA of 2.5 or better

4.1. Physical Education Teacher Education Major

A. Required Academic Core Courses (28 Credits)

		Credits
PES 305	Significance of Physical Activity	3
PES 315	Fitness for Healthy Living	3
PES 3XX	Kinetics of Exercise and Sport	3
PES 335	Physiological Bases for Exercise and Sport	4
PES 413	Human Development and Movement	3
PES 439	Motor Learning	3
PES 3XX	Advanced Performance	3
PES 3XX/4XX	Upper Level Elective	3

Total Required Credits in Academic Core: 25

B. Required Professional Sequence (39 credits)

(Must receive a “C” or better in these classes.)

		Credits
PEP 441	Introduction to Teaching Physical Education	3
PEP 442	Secondary Methods in Teaching Physical Education	4
PEP 444	Elementary Methods in Teaching Physical Education	4
PEP 445	Adapted Physical Education	3
PEP 483	Early Childhood Methods in Teaching Physical Education	3
PEP 451	Teaching Culturally Diverse Students in Physical Education	3
PEP 310	Teaching Games Tactically	1
PEP 342	Elementary Physical Education Activities	1
PEP 443	Assessment for Teachers	3
PEP 3XX	Physical Education Professional Electives	5
PEP 476	Student Teaching/Coaching Seminar	2

PEP 487	Elementary Student Teaching	5
PEP 488	Secondary Student Teaching	5
Total Required Credits in Professional Sequence:		42

C. Required Cognate Course (1 credit)*

PRO 370	Health and Drug Education for Teacher Candidates	Credits 1
Total Required Credits in Cognate:		1*

* Plus a state-approved and current First Aid (including AED training) and CPR certification.

D. Skill Requirements (13 credits) (Must receive a “C” or better in these classes)

PEP 201	Educational Dance	Credits 1
PEP 202	Adventure/Challenge Activities	2
PEP 203	Multicultural/Contemporary Activities	1
PEP 204	Track and Field/Softball	1
PEP 205	Golf/Archery	1
PEP 206	Educational Gymnastics	2
Invasion Games 1 & 2	(Lax/Field Hockey or Speedball/Team Handball or Soccer/Frisbee or Basketball/Football)	2
Net-Wall	(Volley/Racquetball or Tennis/Badminton)	1
Aquatics	Intermediate Swimming or Lifeguard training or WSI Lifeguard training & WSI may be satisfied through an outside agency such as the Red Cross)	2
Total Required Credits in Skills:		11-13

E. Electives (5 credits)

Each student is required to select a minimum of five credits from the list of courses below. The intent of these options is to offer the student opportunities to pursue special areas of interest and/or to develop new strengths in areas of limited experience. Students must receive a “C” or better on all of these courses.

PEP 351	Coaching Sports	Credits 3
PEP 353	Administration of Intramurals	3
PEP 3XX	Coaching Clinic(s)	1
PEP 379	Athletic Training for the Teacher/Coach	3
PEP 400	Microcomputers in Sport & Physical Education	3
PEP 481	Instructional Strategies in Adapted Physical Education	3
PEP 482	Adapted Physical Activity and Sport	3
PEP 484	Introduction to Program Planning in Adapted Physical Education	3
PEP 495	Topics in Physical Education	1-3
PEP 399	Independent Study	1-3
PEP 499	Independent Study	2
Total Elective Credits:		5

4.2. Adapted Physical Education Concentration

The concentration in adapted physical education prepares the student for a position in the field, provides a background for graduate study and offers elective opportunities for physical education majors. The concentration in adapted physical education prepares the student to work with all children in any setting.

The concentration is completed in conjunction with the physical education teacher education major and requires 12 credits of adapted physical education classes. Five of the 12 credits can be applied to the physical education major elective pool. PEP 485 can be waived if at least 50 percent of the 10-credit student teaching requirement for teacher certification involves pupils with unique physical education needs.

Admission: The adapted physical education concentration is open to any major in physical education and who has successfully completed PEP 441.

A. Requirements for the concentration

Student must be pursuing the academic major in physical education and teacher certification program in physical education.

B. Course Prerequisites/Corequisites

PSY 101	Principles of Psychology or Equivalent	3
PES 445	Adapted Physical Education	3

C. Adapted Physical Education Required Courses

PEP 481	Instructional Strategies in Adapted Physical Education	3
PEP 482	Adapted Physical Activity and Sport	3
PEP 484	Introduction to Program Planning in Adapted Physical Education	3
PEP 485	Adapted Physical Education Practicum	3

5. Sport Management Major

The Department of Kinesiology, Sport Studies, and Physical Education has instituted a new major in sport management, effective the fall of 2009 in addition to its long existing sport management concentration.

The College at Brockport initiated one of the earliest undergraduate sport management programs in the world, having started its sport management program in 1972, eventually evolving into a 39-42 credit concentration. In the fall of 2009, the 45-credit major also becomes reality, offering students an interdisciplinary approach to the study of the business of sport, recreation, fitness and leisure industries.

Student pursuing a major in sport management must also complete the requirements for a minor, concentration or specialty area in another academic field. Students completing the sport management concentration must also complete a major in another academic discipline offered by the College.

The sport management faculty continues to teach a foundation of sport management principles and practices through energetic classroom experiences followed by experiential learning in the form of practica and internships that take place at actual sport, recreation and leisure type organizations. Faculty draw from personal research and past professional experiences as they incorporate “cutting edge” sport management knowledge, competencies, skills and teaching methods into the classroom. Past employment experiences in such areas as directing athletics, managing sport, recreation and leisure time businesses [profit and non-profit], as well as coaching, enable faculty to provide the sport management student with practical knowledge, experiences and the skills necessary to realize their goals as professionals in the sport world. Classroom learning experiences are best described as “active” and often times feature the solving of real world case studies and selected guest speakers presently working in the sport industry.

Students in the major will take a variety of core courses (36 credits) essential to the sport management profession/industry, in addition to 9 credits as required electives, for a total of 45 semester hours comprising the major. A further requisite of the major requires students to also complete a minor, concentration or an additional major in another academic discipline.

5.1. Sport Management Major

A. Sport Management Major Core Classes (required—36 credits)

			Credits
PEP	360	Introduction to Sport Management Theory Prerequisite for: PEP 460; 461; 467	3
PEP	460	Administrative Practices in Sport Management	3
PEP	461	Problems in Sport Management	3
PEP	351	Coaching Sports	3
PEP	353	Administration of Intramurals	3
PEP	355	Sport Marketing, Promotions, Public Relation & Publicity	3
PES	350	History of Sport, Play and Exercise OR	3
PES	451	The Modern Olympic Games	3
PES	441	Sport and Society	3
PES	460	Ethics in Sports Contests	3
PEP	468	Internship in Sport Management	9
Total:			36

B. Kinesiology, Sport Studies, and Physical Education Electives (one class required)

			Credits
PES	360	Philosophy of Sport	3
PES	430	Psychology of Sport	3
PES	445	Social Psychology of Sport	3
PES	446	Sports Spectating in the United States	3
Total Core Course Hours:			3

C. Electives Outside of Host Department (take two courses for maximum 6 credits)

XXX		Approved Course Outside Department	3
XXX		Approved Course Outside Department	3
Total Outside Electives – May be lower division, with prior written approval			6

Grand Total Credit Hours for Major **45**

Another approved minor, major concentration or specialty area **Minimum total** **18**

5.2. Sport Management Concentration

A. Sport Management Concentration Required Courses (15 credits)

			Credits
PEP	360	Introduction to Sport Management (Prerequisites for PEP 460; 461;467)	3
PEP	460	Administrative Practices in Sport Management	3
PEP	461	Problems in Sport Management	3
PEP	467	Internship in Sport Management	6
Total Core Course Hours:			15

B. Cognate Courses (12 credits) for the Sport Management concentration:

Various courses from a variety of departments – from the following

		Credits
BUS 285	Fundamental Accounting	3
BUS 317	Introduction to Information System	3
BUS 335	Principles of Marketing	3
BUS 365	Principles of Management	3
BUS 366	Organizational Behavior	3
BUS 375	Business Law I	3
BUS 435	Consumer Behavior	3
BUS 437	Integrated Marketing Communications	3
BUS 438	Supply Chain Management	3
BUS 439	Retail Management	3
BUS 465	Human Resource Management	3
CMC 201	Public Speaking	3
CMC 224	Newswriting and Reporting	3
CMC 243	Radio and Television Writing	3
CMC 312	Argumentation and Debate	3
CMC 316	Interpersonal Communication in Business and the Professions	3
CMC 332	Public Relations Principles and Practices	3
ECN 204	Introduction to Statistics	3
ENL 308	Or BUS 317	3
ENL 308	Business Writing and Computers	3
MTH 243	Elementary Statistics	3
PEP 351	Coaching Sports	3
PEP 353	Administration of Intramurals	3
PLS 300	Political Statistics	3
PSH 202	Introductory Statistics for Psychology	3
RTV 342	Radio and TV writing	3
SOC 200	Social Statistics	3
XXX	Approved computer course (with written prior permission from director of sport management)	3
XXX	Approved statistics course (with written prior permission from director of sport management)	3

Sport management concentration combined with other majors within the Department of Kinesiology, Sport Studies, and Physical Education Only:

Students must also take 12 credits in addition to major – from list provided in catalogue. [PES 350, PES 360 PES 399, PES 430, PES 441, PES 445, PES 446, PES 451, PES 460, PES 485, PES 490, PES 495, PES 499 (with approval); PLUS OTHER COURSES APPROVED BY ADVISOR IN SPORT MANAGEMENT.

Plus, Majors Outside the Physical Education Department must also complete an additional **3 credits** from: PEP 351, PEP 352, PES 392, PES 396, PES 399 (with approval), PES 430, PES 441, PES 445, PES 446, PES 460, PES 485, PES 490, PES 495 (with prior approval), PES 499 (with prior approval)

Plus: Students have to earn a major in another academic discipline.

6. Minor in Coaching Athletics

The regulations of the Commissioner of Education of the New York State Department of Education require individuals who coach an interscholastic athletic team to complete an approved program for coaches prior to or within the first three years of their employment. (Valid First Aid, CPR and child abuse certificates are required for initial employment.)

The College at Brockport coaching minor, which is designed for students who are not in the physical education teacher certification program, fulfills this requirement and also provides greater depth in preparation for prospective coaches in schools, sports clubs, community programs, colleges, or other athletic organizations. Meets New York State's requirements for coaching.

Courses:		Credits
PEP 351	Coaching Sports	3
PEP 352	Scientific Foundations of Coaching	3
PEP 3XX	Coaching Clinics (3 required)	3
PEP 3XX	Advanced Performance	3
PEP 354	Coaching Practicum	4
PEP XXX	Elective (approved by coaching coordinator)	2
Total Core Course Hours:		18

* Plus a state-approved child abuse class/workshop (typically two-three clock hours in length).

** Plus a state-approved and current First Aid (including AED training) and CPR certification.

Physical Activity Major Courses

Students enrolling in beginning, intermediate and advanced activity courses may be pretested and depending on skill level encouraged to withdraw and take either a more or less advanced class. These classes are open to all students at the College.

Beginning-level Courses		Credits
PES 112	Beginning Diving	1
PES 114	Beginning Swimming	1
PES 121	Aerobic Dance	1
PES 122	Rhythmic Skills I	1
PES 131	Beginning Gymnastics	1
PES 141	Beginning Bowling (fee)	1
PES 142	Beginning Handball	1
PES 143	Beginning Weight Training	1
PES 144	Beginning Fencing	1
PES 145	Beginning Ice Skating	1
PES 146	Beginning Judo	1
PES 147	Tae Kwon Do	1
PES 151	Beginning Archery	1
PES 152	Beginning Cycling	1
PES 154	Beginning Golf (fee)	1
PES 155	Beginning Jogging	1
PES 156	Beginning Skiing (fee)	1
PES 157	Beginning Track & Field	1
PES 161	Beginning Badminton	1
PES 162	Beginning Racquetball	1
PES 163	Beginning Table Tennis	1
PES 164	Beginning Tennis	1
PES 171	Beginning Basketball	1
PES 172	Beginning Volleyball	1
PES 181	Beginning Baseball	1
PES 183	Beginning Lacrosse	1
PES 186	Beginning Soccer	1
PES 187	Beginning Softball	1
PES 137	Beginning Field Hockey	1

Intermediate Courses			Credits
PES	212	Intermediate Diving	1
PES	213	Scuba Diving (fee)	2
PES	214	Intermediate Swimming	1
PES	222	Rhythmic Skills II	1
PES	231	Intermediate Gymnastics	1
PES	241	Intermediate Bowling (fee)	1
PES	243	Intermediate Weight Training	1
PES	244	Intermediate Fencing	1
PES	245	Intermediate Ice Skating	1
PES	246	Intermediate Judo	1
PES	248	Intermediate Wrestling	1
PES	251	Intermediate Archery	1
PES	252	Intermediate Bicycle Touring	1
PES	253	Intermediate Climbing/Backpacking	2
PES	254	Intermediate Golf (fee)	1
PES	255	Intermediate Distance Running	1
PES	256	Intermediate Skiing (fee)	1
PES	257	Intermediate Track and Field	1
PES	261	Intermediate Badminton	1
PES	262	Intermediate Racquetball	1
PES	263	Intermediate Table Tennis	1
PES	264	Intermediate Tennis	1
PES	271	Intermediate Basketball	1
PES	272	Intermediate Volleyball	1
PES	281	Intermediate Baseball	1
PES	282	Intermediate Football	1
PES	283	Intermediate Lacrosse	1
PES	286	Intermediate Soccer	1
PES	287	Intermediate Softball	1
PES	237	Intermediate Field Hockey	1

Advanced Courses			Credits
PES	314	Advanced Swimming	3
PES	331	Advanced Gymnastics	3
PES	343	Advanced Weight Training	3
PES	348	Advanced Wrestling	3
PES	353	Advanced Climbing/Backpacking	3
PES	354	Advanced Golf (fee)	3
PES	355	Advanced Distance Running	3
PES	356	Advanced Alpine Skiing (fee)	3
PES	357	Advanced Snowboarding	3
PES	361	Advanced Badminton	3
PES	362	Advanced Racquetball	3
PES	364	Advanced Tennis	3
PES	371	Advanced Basketball	3
PES	372	Advanced Volleyball	3
PES	373	Advanced Ice Hockey	3
PES	381	Advanced Baseball	3
PES	382	Advanced Football	3
PES	386	Advanced Soccer	3
PES	387	Advanced Softball	3

Athletic Elective Skill Area

Please Note: Each course in the athletic elective skill area can be taken only once per season for credit toward graduation requirements. Students must complete a full season in order to receive credit.

ATH 200	Varsity Baseball (spring)	1
ATH 201	Varsity Basketball—Men (spring)	1
ATH 202	Varsity Cross Country—Men and Women (fall)	1
ATH 203	Varsity Football (fall)	1
ATH 206	Varsity Lacrosse	1
ATH 207	Varsity Soccer—Men (fall)	1
ATH 208	Varsity Swimming—Men and Women (spring)	1
ATH 210	Varsity Track and Field—Men and Women (spring)	1
ATH 211	Varsity Wrestling (spring)	1
ATH 212	Varsity Ice Hockey (spring)	1
ATH 221	Varsity Basketball—Women (spring)	1
ATH 224	Varsity Field Hockey (fall)	1
ATH 226	Varsity Gymnastics (spring)	1
ATH 229	Varsity Softball (spring)	1
ATH 230	Varsity Tennis (fall)	1
ATH 231	Varsity Volleyball (fall)	1
ATH 234	Varsity Soccer—Women (fall)	1

Note: Participation in a varsity sport does not satisfy the advanced performance requirements in the major.

Physical Education Professional Skill Area

Professional skill classes are open only to students who intend to pursue the physical education teacher certification curriculum. Professional skill classes place a premium on learning to teach skills associated with a specific physical activity and include development of lesson plans and practice teaching.

PEP 201	Educational Dance	1
PEP 202	Adventure/Challenge Activities	2
PEP 203	Multicultural/Contemporary Activities	1
PEP 204	Track and Field/Softball	1
PEP 205	Golf/Archery	1
PEP 206	Educational Gymnastics	2
PEP 211	Lacrosse/Field Hockey	1
PEP 212	Speedball/Team Handball	1
PEP 213	Soccer/Frisbee	1
PEP 214	Basketball/Flag Football	1
PEP 221	Volleyball/Racquetball	1
PEP 222	Tennis/Badminton	1

DEPARTMENT OF KINESIOLOGY, SPORT STUDIES
AND PHYSICAL EDUCATION COURSES

PES 290 Ethics of Fair Play in Sport and Life (A,H). Enables students to examine and understand fair play as a moral concept, and to develop students' abilities to ascertain the demands of fair play in sports contests and other applicable life situations. Provides for clarification and evaluation of different types of reasons for action, examination of different standards for fair action, and an opportunity to evaluate fair actions in areas of interest to students. Gives attention to the evaluation of moral maturity. *3 Cr.*

PES 305 Significance of Physical Activity (A). Examines the intrinsic and extrinsic values of physical activity across the lifespan from philosophical and historical perspectives. Includes a critical analysis of the contribution physical activity makes to the liberating consequences of healthful living, personal pleasure, self-knowledge, and skill acquisition. Major societal trends impacting on physical activity and its related professions are identified and examined. *3 Cr. Every Semester.*

PES 315 Physical Fitness for Healthful Living (A). Requires student to pass all components of a health-related fitness test. Emphasizes developing health-related components of physical fitness through physical activity. Allows student to gain understanding of how physical activity enhances health-related physical fitness. Includes laboratory. *3 Cr. Every Semester.*

PES 325 Kinesiological Bases for Exercise and Sport (A). *Prerequisites: BIO 221 or BIO 321 and BIO 322.* Involves study of the anatomical bases of movement in exercise and sport and application of kinesiological principles to movement and sport-specific skills. Includes laboratory experiments to provide opportunity for the analysis of exercise and sport from both anatomical and mechanical perspectives, muscle roles, types of muscle contractions, movement sequencing, and kinesiological analyses. *4 Cr. Every Semester.*

PES 326 Kinetics of Sport and Exercise (A). *Prerequisite: BIO 221 or BIO 321 and 322.* Studies the mechanical basis of movement in sport and exercise, with applications of kinesiological and biomechanical principles to identify critical elements for basic motor skills, and describes and demonstrates concepts and strategies related to skillful movement and physical activity. Includes description of the skeletal and neuromuscular structures of the human body, to identify how these systems contribute to skillful movements, physical activity, and fitness. *3 Cr. Every Semester.*

PES 335 Physiological Basis for Exercise and Sport (A). *Prerequisite: BIO 221 or both BIO 321*

and BIO 322. Focuses on the physiological basis of active living. Addresses functional capacity of the human body to adjust to demands of work entailing various duration, intensities, and technical requirements. Considers all age populations, as well as both genders. Makes comparisons between sedentary and non-sedentary or trained individuals. Assesses individual limitations to performance, as well as possibilities for safely extending these limitations. Includes laboratory. *4 Cr.*

PES 350 History of Sport, Play and Exercise (A). Provides a broad look at the history of physical activity from ancient to modern times, and the effects of social institutions (e.g., war, religion, politics) on the development and role of sport in the Western world. *3 Cr.*

PES 358 Advanced Snowboarding (A). Advanced snowboarding is an advanced level activity course designed to improve the intermediate level snowboarder, to refine the advanced snowboarder, and to explore the extremes of snowboarding. Skill related topics include advanced skills in body position, stability and board control to effectively and efficiently perform on increasingly varied, faster, and steeper terrains. Additional topics include history, safety, etiquette, technique, biomechanics, physiology, and limitations. *3 Cr.*

PES 360 Philosophy of Sport (A). Examines fundamental issues in sport from a philosophical perspective. Focuses on the theoretical frameworks through which these issues can be understood. Emphasizes the practical import that different theories of sport have and institutional decision-making and practices. Examines the philosophical underpinnings of the experience of sport participation. *3 Cr.*

PES 385 Basic Athletic Training (A). *Prerequisite: BIO 221 (may be taken concurrently).* Focuses on the fundamental knowledge of sports injuries and their care. Introduces and explains various techniques in treatment, prevention and rehabilitation of sports injuries. *3 Cr. Every Semester.*

PES 391 Stress and Tension (A,I). Thoroughly evaluates concepts of stress and tension in terms of their philosophic bases (mind-oriented, body-oriented or interactional models), and supported by evolutionary explanations of physical, mental and cultural phenomena contributing to a variety of stress and tension-related disorders. Critically evaluates contemporary approaches in therapy designed to impact upon stress and tension, enabling the student to construct a personal coping strategy. *3 Cr.*

PES 396 Women in Sport (A,I,W,Y). *Cross-listed as WMS 396.* Examines the historical, contemporary and future perspectives of women in sport. Reviews insights from history, psychology and sociology related to women in sport, as well as athletes' perceptions of their performance. Focuses on information and issues which are fundamental to understanding women's participation in sport. 3 Cr. Every Semester.

PES 399 Independent Study (A). To be defined in consultation with the instructor-sponsor and in accordance with the procedures of the Office of Academic Advisement prior to registration. 1-6 Cr. Every Semester.

PES 401 Physical Activity in Adulthood (A,I). Focuses on how people age physically and how physical activity affects various aspects of life. Covers influences on physical activity and the quality of life from youth to older adulthood. Course is beneficial to a wide range of disciplines, including physical education, exercise physiology, cardiac rehabilitation, physical therapy, athletic training, health promotion, counseling psychology, gerontology, etc. 3 Cr. Summer.

PES 405 Obesity in Society (A,I). Provides an interdisciplinary overview of the causes, treatment and prevention of obesity/overweight among children, adolescents and adults in the United States. The complex interaction between psychological, sociological, biological, physiological and environmental factors will be explored. The effectiveness of individual, community and school-based obesity prevention programs will be discussed, as well as safe and appropriate methods of weight loss. Exercise, physical activity and dietary guidelines for Americans will be examined. 3 Cr.

PES 410 Physiology of Exercise II (A). *Prerequisite: PES 335 and PEP 362.* Examines the physiologically related effects of sport activities on the body's systems, including fatigue, strength, flexibility; physiological responses of the body before, during, and after training, scientific research in exercise physiology; and the use of lab equipment for sport physiology. 3 Cr. Every Semester > credits at College at Brockport with > 2.75 overall GPA. 3 Cr. Spring.

PES 411 Advanced Athletic Training (A). *Prerequisite: PES 385.* Covers muscles, tendons, and ligaments, and the injury mechanism involved in given injuries for each major articulation of the body; inflammatory responses and wound healing; the effects of locally applied heat and cold on each; prevention, care and reconditioning techniques for sport injuries; and methods used during each phase of injury conditioning-reconditioning. 3 Cr. Every Semester.

PES 412 Athletic Injury Assessment (A). *Prerequisite: PES 411.* Focuses on various anatomical/physiological systems of the human body as they relate to athletic injury. Emphasizes identifying anatomical structures and landmarks in the human body, as well as recognizing and assessing injuries occurring during athletic participation. 3 Cr. Spring.

PES 413 Human Development and Movement (A). Focuses on the relationship between physical activity and selected aspects of physiological, psychological, intellectual and social growth and development. Investigates atypical, as well as typical, human conditions influencing movement. 3 Cr. Every Semester.

PES 416 Laboratory Techniques in Exercise Physiology (A). *Prerequisites: PES 335, HLS 488, Corequisite: PES 410. Cross-listed as BIO 416.* Complements the theoretical preparation of students in exercise physiology. Provides experience in the use of equipment in the exercise physiology laboratory. Gives students the opportunity to develop and complete a research project, including the analysis and interpretation of data. 3 Cr. Spring.

PES 420 Biomechanics (A). *Corequisite: PES 325.* Focuses on the observation, analysis, and description of movement skills. Includes quantitative and qualitative analyses; descriptive systems; the applications of basic laws and principles of physics; and applications to basic movements, sport training, and technique 3 Cr.

PES 430 Foundations of Sport and Exercise Psychology (A). Examines psychological concepts, research, and theories in relation to sport and exercise participation. Studies individual and environmental factors affecting the performance and experience of athletes and exercisers. Familiarizes students with aspects of psychological skills training (goal setting, self-confidence, arousal regulation, imagery and concentration), as well as knowledge concerning how motivation, cognition and affect influence psychological well-being in sport and exercise setting. 3 Cr. Every Semester.

PES 439 Motor Learning (A). Focuses on learning of motor tasks with a problem-based approach. Emphasis is placed on relevant concepts in motor learning and how to apply these concepts to teaching, coaching, and rehabilitation settings. Students will apply motor learning concepts and principles to motor skills and learn how to schedule practice that will optimize performance for a diverse group of learners based upon the classification of the motor skill and other factors. 3 Cr. Every Semester.

PES 441 Sport and Society (A). An introductory survey course which investigates the linkage between sport and society from a sociological

perspective. The sport-society nexus is examined from functionalist, conflict critical, and feminist theoretical frameworks. Organized around several intellectual discourses (e.g., gender, race, social class), sport is analyzed and discussed within multiple social and cultural contexts. The incorporation of a social justice perspective challenges the student to explore ways in which the sport institution can be made more democratic and just. *3 Cr. Every Semester.*

PES 445 Social Psychology of Sport (A). The study of individuals and groups engaged in physical activity and sport, and social influence processes which affect self, behavior, and performance. Emphasis is on social context in which individuals and groups participate in physical activity and sport, and the impact social processes have on selected individuals and group variables. Topics include self-esteem, formal leadership, coach-athlete dyad, group dynamics and social facilitation. Opportunities provided for the conduct of applied, field-based research projects. *3 Cr. Fall.*

PES 446 Sports Spectating in the United States (A). An interdisciplinary study of the phenomenon of sports spectatorship/sport fandom in American society; discussion of issues pertaining to sports spectating from theoretical, empirical and experiential perspectives, e.g. patterns of sport spectatorship, the “business” of sports spectating, psychology of sport fandom, sports spectating as popular culture, spectator violence, and the importance of sport spectatorship in society; opportunities for student-initiated field research projects. *3 Cr. Spring.*

PES 451 The Modern Olympic Games (A). Examines the development of the Modern Olympic Games from an interdisciplinary approach. Focuses on the Olympic Movement as an evolving cultural phenomenon in which local as well as global social, economic and political forces are contested. Addresses the dynamic character of the Olympic Movement by studying its history, the philosophy of Olympism, and current and past problems (commercialism, gigantism, boycotts) associated with the Olympic Games. *3 Cr. Spring.*

PES 460 Ethics of Sports (A). Examines how basic ethical theories relate to problems facing sport communities and professionals today. Provides critical analysis of ethical dilemmas in contemporary sport. Emphasizes the understanding of ethical frameworks and the application of these frameworks to ethical problems arising in sport contexts. *3 Cr. Every Semester.*

PES 490 Physical Education Exchange Program (A). Provides several opportunities for physical education majors of at least junior status to spend one or more semesters studying in Canada

(Dalhousie University), or at one of several overseas locations, e.g., Chelsea School of Human Movement (England), Dunfermline College of Physical Education (Scotland), University of Ulster (Northern Ireland), College of Winneba (Ghana), or Zinman College of Physical Education (Israel). *15 Cr. Every Semester.*

PES 495 Problems in Physical Education (A). To be defined by the instructor in accordance with the specific topic to be covered that semester. May be repeated, but under another topic area in physical education. Additional information may be obtained from the department. *1-3 Cr.*

PES 499 Independent Study (A). To be defined in consultation with the instructor-sponsor and in accordance with the procedures of the Office of Academic Advisement prior to registration. *1-6 Cr. Every Semester.*

PEP 255 Taping for Athletic Training (B). *Prerequisite:* PES 385, *Acceptance into the Athletic Training Program.* Provides the entry-level athletic training student with knowledge of supplies utilized for taping and strapping in athletics; and provides instruction in functional application of taping and wrapping in order to prevent/reduce athletic injury. *1 Cr.*

PEP 276 Softball Officiating (B). *Spring. 1 Cr.*

PEP 277 Volleyball Officiating (B). *Fall. 1 Cr.*

PEP 278 Basketball Officiating (B). *Fall. 1 Cr.*

PEP 279 Football Officiating (B). *Spring. 1 Cr.*

PEP 281 Water Safety Instructor (B). Provides for the analysis and correction of skills, sound teaching progressions, and learning proper techniques of swimming and life-saving skills. Successful completion results in Red Cross FIT (Fundamentals of Instructor Training) Certification. *2 Cr. Fall.*

PEP 282 Lifeguard Training (B). Improves life guarding skills necessary to save one's own life or the lives of others in the event of an emergency, in accordance with American Red Cross requirements. Includes certification in CPR and AED training. *2 Cr. Spring.*

PEP 283 Adapted Aquatics. *Prerequisite:* PES 214 or equivalent. Prepares students to teach aquatics to learners with disabilities. Students should have a minimum intermediate swimming ability. *2 Cr. Every Semester.*

PEP 310 Teaching Games Tactically (B). Students will participate in and practice teaching games based on the teaching games tactically curriculum model, as well as participate in other activities taught with this model. In addition, students will be able to model teaching modified lessons with this teaching model. *1 Cr. Every Semester.*

PEP 342 Elementary Activities (B). *Prerequisite:* PEP 441. Designed to provide the activity base for teaching elementary physical education. Students will be exposed to a variety of movement activities that are developmentally appropriate for primary and intermediate level children. Students will receive a solid foundation in the Skills theme approach to teaching physical education to elementary school children. *1 Cr. Every Semester.*

PEP 350 Scientific Foundations of Coaching (B). For non-physical education majors who wish to develop a beginning understanding of the scientific foundations of coaching athletic teams. Includes exposure to the biological sciences, the psycho-social aspects of sport, as well as growth and development of athletes. Meets New York State requirements for Health Sciences Applied to Coaching. *3 Cr.*

PEP 351 Coaching Sports (B). Covers the rules, duties, legal aspects and administrative methods of coaching an athletic team, and the philosophies, methods and strategies involved in coaching. *3 Cr. Every Semester.*

PEP 353 Administration of Intramurals (B). Covers the philosophy of intramural sport organization and administration of an intramural activity, administrative problems, and current trends in intramural programming. Meets New York State requirements for Philosophy, Principles, and Organization of Athletics. *3 Cr. Every Semester.*

PEP 354 Coaching Practicum (B). *Course Fee.* *Prerequisites:* PEP 350 and PEP 351. Requires students to perform as members of a coaching staff for one season; also requires goal setting and planning communication. Meets NYS requirements for Theory and Techniques (Sport Specific). *4 Cr. Every Semester.*

PEP 356 Therapeutic Modalities (B). *Prerequisite:* PES 385. Emphasizes the use and knowledge of various therapeutic modalities used in athletic training. Stresses a working knowledge of each modality as well as its practical application. *3 Cr. Every Semester.*

PEP 357 Muscle Testing (B). *Prerequisites:* PES 385 and PES 411. Develops knowledge of muscle testing and joint stress testing in relation to athletic injuries. Provides experience in the athletic training room and working with athletic teams. *3 Cr. Spring.*

PEP 358 Therapeutic Exercise (B). *Prerequisites:* PES 411, PES 412, PEP 356 and PEP 357. Provides extensive experience with an athletic team, including applying techniques related to preventive, protection and emergency care measures. *3 Cr.*

PEP 359 Organization and Administration Athletic Training (B). *Prerequisites:* PES 385, PES 411,

PES 412, PEP 356, PEP 357. Provides intensive experience in athletic training in a seminar format. Examines athletic training room techniques, the design of a training room facility budget, equipment and supplies. *3 Cr. Fall.*

PEP 360 Introduction to Sport Management Theory (B). Examines the implications of management theory for sport organizations, and management considerations in retail, manufacturing, professional sports, sport services and athletic settings. *3 Cr. Fall.*

PEP 361 Cardiac Rehabilitation: Theory and Applications (B). *Prerequisite:* PES 335. Examines the physiological responses to exercise, graded exercise testing, and exercise prescription for disease prevention and rehabilitation. Populations studied include those with cardiovascular, pulmonary, and/or metabolic disorders. Provides experience in exercise testing, programming, and the interpretation of electrocardiograms. *3 Cr. Spring.*

PEP 362 Strength and Conditioning for Athletic Training (B). *Prerequisites:* PES 411, PEP 357, PEP 358. Explores muscle physiology, the body's response to exercise, and proper techniques for functional conditioning. Emphasis is on multi-joint exercises and sport-specific exercise prescription. Also investigates the relationship between nutrition and performance enhancement. *3 Cr. Every Semester.*

PEP 379 Athletic Training for the Teacher/Coach (B). Focuses on the fundamental knowledge of athletic injuries; their prevention and care. Introduces and explains various techniques in prevention and care of injuries, strength and conditioning, pre-in-off-season training, nutrition, taping and wound care. *3 Cr. Every Semester.*

PEP 381 Coaching Basketball (B). Exposes students to sport-specific aspects of coaching, including instructional techniques, strategies, conditioning, organizational techniques and safety considerations, as appropriate. I think this should work nicely for the course descriptions. *1 Cr.*

PEP 382 Coaching Football (B). Exposes students to sport-specific aspects of coaching, including instructional techniques, strategies, conditioning, organizational techniques and safety considerations, as appropriate. I think this should work nicely for the course descriptions. *1 Cr.*

PEP 383 Coaching Gymnastics (B). Exposes students to sport-specific aspects of coaching, including instructional techniques, strategies, conditioning, organizational techniques and safety considerations, as appropriate. I think this should work nicely for the course descriptions. *1 Cr.*

PEP 384 Coaching Soccer (B). Exposes students to sport-specific aspects of coaching, including

instructional techniques, strategies, conditioning, organizational techniques and safety considerations, as appropriate. I think this should work nicely for the course descriptions. *1 Cr.*

PEP 385 Coaching Softball (B). Exposes students to sport-specific aspects of coaching, including instructional techniques, strategies, conditioning, organizational techniques and safety considerations, as appropriate. I think this should work nicely for the course descriptions. *1 Cr.*

PEP 386 Coaching Swimming (B). Exposes students to sport-specific aspects of coaching, including instructional techniques, strategies, conditioning, organizational techniques and safety considerations, as appropriate. I think this should work nicely for the course descriptions. *1 Cr.*

PEP 387 Coaching Volleyball (B). Exposes students to sport-specific aspects of coaching, including instructional techniques, strategies, conditioning, organizational techniques and safety considerations, as appropriate. I think this should work nicely for the course descriptions. *1 Cr.*

PEP 388 Coaching Wrestling (B). Exposes students to sport-specific aspects of coaching, including instructional techniques, strategies, conditioning, organizational techniques and safety considerations, as appropriate. I think this should work nicely for the course descriptions. *1 Cr.*

PEP 399 Independent Study (B). To be defined in consultation with the instructor-sponsor and in accordance with the procedures of the Office of Academic Advisement prior to registration. *1-3 Cr. Every Semester.*

PEP 400 Computer Applications to Physical Education and Sport (B). Offers students a hands-on introduction to the use of computers in sport performance analysis, individual sport-related hypertext application programs, brochures and flyers, hypertext sport information links, and studying sport sites on the Internet. *3 Cr.*

PEP 441 Introduction to Teaching Physical Education (B). *Corequisite: PEP 451. Course fee.* Focuses on factors which influence the development of a K-12 curriculum. Allows students to examine various curriculum models. Provides opportunities for observing and learning about school. Examines variables associated with the teaching and learning process. Includes the use of observation instruments for systematic development of teaching skills. Includes laboratory/clinical field experiences. *3 Cr.*

PEP 442 Secondary Methods and Instruction (B). *Prerequisites: PEP 441, PES 413 (may be taken concurrently).* Designed to help students develop their knowledge of content, planning, organization, trends and teaching methods appropriate for

physical education at the secondary level. Laboratory experiences both on campus and in secondary schools provide students with an opportunity to put theory into practice. Requires a field experience. *4 Cr. Every Semester.*

PEP 443 Assessment for Teachers. *Prerequisite: PEP 441.* Explores assessment theory and techniques used today by physical education teachers in PK-12 educational settings. Focus is on creating developmentally appropriate assessments in the psychomotor, cognitive and affective domains. Students will have the opportunity to observe and analyze performance using assessment instruments. In addition, emphasis will be placed on using assessment to align instruction and provide feedback to learners, as well as how to interpret assessment data to inform instruction. Creation of and practical application of assessments to align instruction will be emphasized. *3 Cr. Every Semester.*

PEP 444 Elementary Methods and Instruction (B). *Prerequisite: PEP 441.* Allows students to acquire the skills and knowledge for a fundamental foundation necessary for sequencing and teaching physical education activities in the elementary school setting. Requires a field experience. *4 Cr.*

PEP 445 Adapted Physical Education (B). *Prerequisite: PEP 441.* Develops knowledge of current concepts and trends in adapted physical education and students; ability to assess, plan, and implement a physical education program to meet the unique needs of individuals with disabilities. *3 Cr. Every Semester.*

PEP 451 Teaching Culturally Diverse Students in Physical Education (B). *Corequisite: PEP 441.* Helps future physical education teachers develop an awareness, understanding, and appreciation of diversity in our society, its impact on our educational system, and more specifically, in physical education settings. Consequently, students will be able to develop pedagogical strategies to facilitate the teaching-learning process and ensure success for all students as culturally responsive physical educators. *3 Cr. Every Semester.*

PEP 458 Internship in Exercise Physiology (B). *Course fee. Prerequisites: grade of "C" or better in all courses in the exercise physiology major, a 2.75 major GPA, successful completion of the exit interview.* Provides an off-campus, supervised, practical experience in an area of student interest, such as personal training, corporate fitness, strength and conditioning, cardiac rehabilitation, or research. *3 Cr. Every Semester.*

PEP 460 Administrative Practices in Sport Management (B). *Prerequisite: PEP 360.* Covers the management functions involved in amateur, business, services, educational and professional sports organizations. Includes topics such as busi-

ness procedures, legal and financial responsibilities, management of sporting events, health aspects, staff requirements and relationships, public relations, players recruiting and eligibility, employee relationships, and leadership techniques. *3 Cr. Spring.*

PEP 461 Problems in Sports Management (B). *Prerequisite:* PEP 460. Considers current problems in sport management in a seminar format. Requires solution of practical problems, and visits to sport facilities to consider management problems. *3 Cr. Every Semester.*

PEP 467 Internship in Sport Management (B). *Course fee. Prerequisites:* PEP 360, PEP 460 and PEP 461. Provides entry-level experience in a selected sport organization, including participation in its day-to-day duties and observation of higher level management operations. *6 Cr. Every Semester.*

PEP 468 Internship in Sport Management (B). *Course fee. Prerequisites:* PEP 360, PEP 460 and PEP 461. Provides entry-level experience in a selected sport organization, including participation in its day-to-day duties and observation of higher level management operations. *9 Cr.*

PEP 471 Clinical Experience in Athletic Training I (B). *Course fee. Prerequisite:* PES 385. Provides initial athletic training clinical experience. Focuses on the application of basic psychomotor skills involved in the prevention, management, and rehabilitation of athletic injuries and the daily operation of the athletic training room. *1 Cr. Fall.*

PEP 472 Clinical Experience in Athletic Training II (B). *Course fee. Prerequisites:* PES 385, PES 411 and PEP 471. Provides intermediate level athletic training clinical experience. Focuses on evaluation and management of athletic injuries as well as performing daily practice and game coverage for athletic teams. *1 Cr. Spring.*

PEP 473 Clinical Experience in Athletic Training III (B). *Course fee. Prerequisites:* PES 385, PES 411, PES 412, PEP 471 and PEP 472. Provides advanced-level athletic training clinical experience. Focuses on evaluation and management of athletic injuries as well as the application of therapeutic modalities and therapeutic exercise in the rehabilitation of athletic injuries. In addition, includes daily practice and game cover age. *1 Cr. Fall.*

PEP 474 Clinical Experience in Athletic Training IV (B). *Course fee. Prerequisites:* PES 411, PES 412, PEP 471, PEP 472 and PEP 473. Provides advanced-level athletic training clinical experience. Focuses on organization and administrative aspects of athletic training, as well as interaction with other allied health personnel. Begins focus toward NATA certification exam. *1 Cr. Spring.*

PEP 475 Clinical Experience in Athletic Training (B). *Prerequisite:* PEP 474. Provides advanced level athletic training clinical experience. Focuses on fulfilling clinical proficiencies in athletic training as well as preparing the athletic training student for the NATABOC certification exam. Includes on-campus and off-campus clinical sites which provide exposure to upper extremity, lower extremity, equipment intensive, and general medical experiences. *1 Cr. Spring.*

PEP 476 Seminar in Student Teaching/Coaching (B). Provides the opportunity to discuss issues and problems which arise in student teaching. Also provides for coaching competencies to be met in the student teaching practicum, including such topics as planning, assessment and evaluation in a coaching environment. *2 Cr. Every Semester.*

PEP 481 Instructional Strategies in Adapted Physical Education (B). *Corequisite:* PEP 445. Studies instructional strategies in adapted physical education. Emphasizes instruction for students with intellectual disabilities, learning disabilities, and/or behavioral/emotional disabilities. *3 Cr. Fall.*

PEP 482 Adapted Physical Activity and Sport (B). *Corequisite:* PEP 445. Covers the effects of physical and sensory disabilities on the physical/motor performance of children of youth, and emphasizes the effects of spinal cord injuries, cerebral palsy, and auditory and visual impairments. Discusses the implications of the selection and adaptation of appropriate activities in physical education and sport. *3 Cr. Fall.*

PEP 483 Early Childhood Physical Education (B). *Prerequisites:* PEP 441, PES 413. Involves teaching physical education to children ages birth through 5 with and without disabilities. Emphasizes developmentally appropriate practices for providing motor programs to young children. Incorporates a 15-hour field experience to supplement lectures and discussion. *3 Cr. Every Semester.*

PEP 484 Introduction to Program Planning in Adapted Physical Education (B). *Prerequisite:* PEP 445 or permission of the instructor. Prepares students to develop a school district or agency plan for the provision of adapted physical education including consulting. The plan is built upon a selected definition and orientation to adapted physical education, legal influences, and forces impacting upon curriculum. *3 Cr. Spring.*

PEP 485 Adapted Physical Education Practicum (B). *Prerequisite:* PEP 445. Students are required to meet established course competencies and teach a minimum of 120 clock hours. At least 70 clock hours must be under the supervision of a supervisor and/or sponsor-teacher in a structured physical

education program and in a school or agency. *3 Cr. Every Semester.*

PEP 487 Elementary Student Teaching/Coaching (B). Requires working cooperatively for a quarter in an elementary school with a master teacher and a college supervisor to achieve a variety of specified teaching competencies. *5 Cr. Every Semester.*

PEP 488 Secondary Student Teaching/Coaching (B). Requires working cooperatively for a quarter in a secondary school with a master teacher and College supervisor to achieve a variety of specified teaching competencies. *5 Cr. Every Semester.*

PEP 489 Adapted Physical Activity Practica: Low Incidence. *Prerequisite: PEP 445.* This course provides a seminar and practicum related to teaching physical education to individuals with low incidence disabilities. Practical experience includes planning, implementing, and evaluating motor programs for individuals with low incidence disabilities. Sites for practical and field experience are selected on the basis of interests and needs of students and required course objectives and outcomes. *3 Cr. Every Semester.*

PEP 499 Independent Study (B). To be defined in consultation with the instructor-sponsor and in accordance with the procedures of the Office of Academic Advisement prior to registration. *1-6 Cr. Every Semester.*

LAW – SEE DEPARTMENT OF POLITICAL SCIENCE