

SCHOOL OF HUMAN PERFORMANCE AND LEISURE SCIENCES

Stephen Anderson, Ph.D., Interim Dean

Rev. Carl R. Cramer, Ed.D., Interim Associate Dean

Maritza Ryder, M.S., Assistant Dean

The School of Human Performance and Leisure Sciences (HPLS) includes the Department of Intercollegiate Athletics, the Department of Sport and Exercise Sciences, and the Department of Campus Recreation and Wellness.

The Department of Intercollegiate Athletics (ICA) provides students with the opportunity to represent Barry University in amateur, collegiate sport competition against like institutions while pursuing the ultimate goal of completing a college degree. Participation is open only to full-time students who meet NCAA eligibility and satisfactory progress requirements. A “try-out” may be required by the respective head coach in order to assess athletic ability. The list of varsity sports offered is found under the Department of Intercollegiate Athletics.

The Department of Sport and Exercise Sciences (SES) offers professional preparation for students seeking career opportunities in human performance, leisure, and sport-related areas. Five (5) undergraduate programs leading to the Bachelor of Science degree are offered: **Athletic Training, Exercise Science, Leisure and Recreation Management, Physical Education, and Sport Management**. In addition, a five-year seamless program (ten or eleven semesters) leading to both the Bachelor of Science and Master of Science degrees is offered in **Athletic Training, Exercise Science, and Sport Management**. Optional specializations in **Diving Industry Management** and **Golf Industry Management** are available within the **Sport Management** undergraduate major. In addition, courses leading to four distinct minors, one in **Diving Education**, one in **Exercise Science**, one in **Leisure and Recreation Management**, and one in **Sport Management**, as well as a teaching endorsement in

Coaching, are offered within the department. **Pre-Medical** and **Pre-Physical Therapy** coursework options can also be supplemented within the Exercise Science and Athletic Training curricula. Actual course requirements and descriptions for each of these majors, minors and special programs are listed under the Department of Sport and Exercise Sciences.

The SES Department, through its program in **Instructional Activities in Sport and Recreation**, is also committed to providing opportunities for all students, faculty, and staff to pursue healthy and active lifestyles by offering activities which lead to the development of lifetime sports skills, recreational pursuits, personal fitness, and wellness.

The Department of Campus Recreation and Wellness located in the Landon Student Union, offers a variety of recreational activities for students, faculty, and staff. These include intramural sports, extramural sports, club sports, and organized on- and off-campus recreational and fitness/wellness opportunities.

The \$4.5 million Health and Sports Center houses two departments (i.e., ICA and SES) within the School of HPLS and is fully equipped with state-of-the-art equipment in an 1,800 sq. ft. Athletic Training Room and research-oriented 2,100 sq. ft. Human Performance Laboratory, a 780 sq. ft. Athletic Training Laboratory, a 3000 sq. ft. Biomechanics Laboratory, an arena for basketball and volleyball, a 2,200 sq. ft. Strength and Conditioning Room, classrooms, locker rooms, and offices. A new, state-of-the-art 4,000 sq. ft. Fitness Center opened in 2004 in the Landon Student Union. There are quality external facilities for baseball, softball, soccer, and tennis, along with multipurpose recreational fields. An outdoor pool, a sand volleyball court, a SCUBA dive locker, and an aerobics studio complete the sports complex.

MISSION AND PURPOSE

The School of Human Performance and Leisure Sciences (HPLS) is committed to providing varied educational experiences through its three distinct units:

- **DEPARTMENT OF SPORT & EXERCISE SCIENCE:** (1) by offering quality academic programs that prepare qualified undergraduate majors for careers in Athletic Training, Exercise Science, Leisure and Recreation Management, Physical Education, and Sport Management; (2) by offering qualified graduate students advanced professional studies in Movement Science or Sport Management; and (3) by providing instructional opportunities for acquiring wellness, fitness, and leisure skills in numerous sport and recreational offerings.
- **DEPARTMENT OF INTERCOLLEGIATE ATHLETICS:** by striving for competitive excellence for men and women in 12 varsity sport offerings while also achieving academic excellence in the classroom.
- **DEPARTMENT OF CAMPUS RECREATION AND WELLNESS:** by providing students, faculty, staff, and alumni with a broad selection of sport, wellness/fitness, and recreational opportunities.

HPLS is unique in fulfilling the core commitment of knowledge and truth in the university's mission by engaging all three learning domains (i.e., cognitive, affective, and psychomotor) in the delivery of its various classroom and participation opportunities. The core commitment of social justice is acknowledged through an emphasis on ethical modeling in professional practice among faculty, coaches, administrators, and staff. Good sportsmanship, wholesome and clean competition, comradeship among participants and peers, a diverse cultural representation, and equality of opportunity regardless of race, gender, or religious preference also contribute to the recognition of God's presence in every living being. The core commitment of inclusive community is fostered by assuring the academic, physical, and emotional well-being and safety of participants in each program and by providing mentoring, health care and academic support services that will enhance opportunities for success. The administration strongly encourages interested HPLS constituents to engage in leadership and participation opportunities for the core commitment of collaborative service and annually recognizes outstanding achievements in this area.

DEPARTMENT OF INTERCOLLEGIATE ATHLETICS

Michael L. Covone, M.S., Director of Athletics

Bridget Lyons, Ph.D., Sr. Associate Director of Athletics

Jamie Carrig, M.S., Associate Director of Athletics

Maryanne Simkulak, M.S., Assistant Director of Athletics

MISSION AND PURPOSE

The basic purpose of intercollegiate athletics (ICA) is to provide those students who possess outstanding athletic ability an opportunity to excel in amateur competitive sports against like institutions while pursuing the ultimate goal of completing their college degrees. ICA serves as a means by which other students, faculty, staff and alumni of Barry University can be brought together in support of a common rallying point to generate “school spirit” and round-out the concept of creating a typical college campus setting.

ICA satisfies its role within the educational mission of Barry University by complimenting classroom instruction with experiences that allow for:

- a. appreciation of the results of fitness gained through good strength and conditioning programs, as well as proper nutrition, on one’s mind and body;
- b. social development by learning such things as teamwork, self-discipline, group dynamics, and adherence to rules and regulations;
- c. opportunities to broaden one’s education through travel;
- d. cultural exchange with team members of differing nationalities and ethnic backgrounds.

Each sport program acknowledges the presence of God through wholesome and clean competition, comradeship among participants, good sportsmanship, and equality of opportunity exclusive of one’s sex, race, ethnicity, sexual orientation, or religious affiliation. A caring environment is provided by assuring the academic, physical, emotional and social welfare of our student-athletes through the leadership provided by a

well-qualified teaching/professional staff, academic support services, comprehensive health care and coverage, and safe playing and practice conditions.

All athletic activities and events are actively published and promoted to also elicit involvement and support from the community. In return, student-athletes are encouraged to participate in civic and charitable events. Additionally, ICA serves as a vehicle by which the university extends its presence in the community. Staff, coaches, and student-athletes must therefore display a professional decorum befitting that of very visible community ambassadors for Barry University. Furthermore, the intercollegiate athletics program will be operated within strict adherence to the published rules of the NCAA and the Sunshine State Conference (SSC) in order to assure that the university’s status within the community always remains a positive one.

As an NCAA Division II member school, Barry University extends the university’s commitment to excellence into an extremely competitive intercollegiate athletics program that offers national recognition for the student-athlete. It is home to the 1989, 1992, and 1993 NCAA Champions in Women’s Soccer, the 1995, 2001, and 2004 NCAA Champions in Women’s Volleyball, and 2007 NCAA Champions in Men’s Golf. The ability of Barry’s female and male student-athletes to balance the demands of athletic participation with success in the classroom brings much pride to the university community, currently boasting a reported NCAA Academic Success rate of 82%.

To participate in intercollegiate athletics as an entering freshman with no previous full-time college attendance, the student-athlete must be admitted to Barry University and must meet conference and NCAA

eligibility requirements, including certification by the NCAA eligibility center. These requirements include high school graduation with a minimum cumulative grade-point average of 2.000 (based on a maximum 4.000) in a successfully completed core curriculum of at least 14 academic courses (per NCAA Bylaw 14.3.1.1), and a combined SAT score of 820 (if taken on or subsequent to April 1, 1995), or a minimum sum score of 68 on the ACT. These required SAT or ACT scores must be achieved under national testing conditions on a national testing date. The *NCAA Guide to International Academic Standards for Athletics Eligibility* contains the acceptable credentials applicable to foreign academic records that satisfy the graduation and core-curriculum requirements for initial eligibility specified in NCAA Bylaw 14.3.

All transfer students must meet the institution's general admissions requirements, as well as NCAA and Sunshine State Conference transfer rules in order to practice and compete in intercollegiate athletics.

In order to maintain eligibility and continue participation, all student-athletes are required by the NCAA to be in good standing with the university and, as per NCAA Bylaw 14.4, must be making satisfactory progress toward a Baccalaureate degree.

All student athletes must provide proof of adequate health insurance and pass the university's medical clearance examination prior to participation in athletics. If proof of insurance is not presented, the student-athlete will be issued student health insurance through the University and billed accordingly.

Opportunities are provided for students to "try-out" for any of the twelve sports by contacting the appropriate head coach.

Coaching Staff:

MEN'S:

BASEBALL	Marc Pavao
BASKETBALL	Cesar Odio
GOLF	Jimmy Stobs
SOCCER	Steve McCrath
TENNIS	George Samuel, Ph.D.

WOMEN'S:

BASKETBALL	Bill Sullivan
CREW	David Sanderson
GOLF	Patti Rizzo
SOCCER	Fred Jungemann
SOFTBALL	Danielle Penner
TENNIS	Avi Kigel
VOLLEYBALL	Frederico Santos

DEPARTMENT OF CAMPUS RECREATION AND WELLNESS

Ed Londono, M.A., Director

Dan Hill, M.S., Fitness Center Director

Catalina Franco, M.S., Wellness Coordinator

The Department of Campus Recreation and Wellness (CRW) provides students, faculty and staff with a broad selection of structured sport, wellness/fitness, and recreational opportunities that promote the development of active lifetime patterns for health maintenance, weight management, stress reduction, chronic disease prevention, and long-term good health.

These programs support “the sound mind in a sound body” principle that round out the total campus experience for students by providing healthy and active alternatives for out-of-class leisure hours, as well as opportunities for faculty and staff to engage in non-sedentary exercise and wellness promotion activities. These activities stimulate physiological and chemical changes in the body that improve mental, emotional, and physical functions, which positively impact classroom and job performance, self-esteem, and the maintenance of overall good health for the entire Barry community. CRW activities also create opportunities for social interaction, teamwork, and camaraderie.

A sample list of activities is included below. Other offerings may be added at any time, based on adequate interest levels.

WELLNESS ACTIVITIES

- Aerobic Exercise
- Hip Hop Fitness
- Kickboxing
- Pilates
- Tai Chi
- Yoga
- Zumba

INTRAMURAL SPORTS (all co-ed)

- Basketball
- Flag Football
- Soccer
- Softball
- Dodgeball
- Volleyball
- Kickball
- Whiffle Ball

CLUB SPORTS

- Basketball
- Soccer
- SCUBA Society

OPEN RECREATIONAL ACTIVITIES

Facilities that are available during regularly scheduled open hours include the following:

- Fitness Center
- Gymnasium
- Tennis Courts
- Outdoor Racquetball Courts
- Swimming Pool
- Volleyball Sand Court
- Multipurpose Recreational Fields

FITNESS PROGRAMMING

- Fitness Assessments
- Testing Tuesdays
- Personal Training
- Group Circuits Workouts
- Fitness Orientations

Further information concerning the Department of Campus Recreation may be found in the Sports and Recreation section of this catalog under STUDENT LIFE.

DEPARTMENT OF SPORT AND EXERCISE SCIENCES

Rev. Carl R. Cramer, Ed.D., Interim Associate Dean and Department Chair

Sharon Kegeles, M.S., Director of Undergraduate Programs

Faculty: Anderson, Cramer, Cremades, Egret, Gibson, Hicks, Kim, Kegeles, Kluka, Lu, Ludwig, Mier, Odio, Poczwardowski, Rosenberg, Samuel, Scaglione, Shapiro, Workman.

The Department of Sport and Exercise Sciences (SES) offers undergraduate degrees in the following fields:

Bachelor of Science (B.S.) in:

ATHLETIC TRAINING

Pre-Medical Option

Pre-Physical Therapy Option

5-Year Seamless B.S.-to-M.S. Option

EXERCISE SCIENCE

Pre-Medical Option

Pre-Physical Therapy Option

5-Year Seamless B.S.-to-M.S. Option

LEISURE AND RECREATION

MANAGEMENT

PHYSICAL EDUCATION

SPORT MANAGEMENT, with options for:

Diving Industry Specialization

Golf Industry Specialization

5-Year Seamless B.S.-to-M.S. Option

The three optional five-year B.S. to M.S. seamless programs of study are available to qualified students and culminate with the **Master of Science degree in Sport Management or in Movement Science with specializations in Athletic Training or Exercise Science**. The Bachelor of Science (B.S.) in Sport Management includes optional specializations in **Diving Industry Management** and **Golf Industry Management**. In addition, coursework is available for students or practicing professionals who want to enhance their career options by specializing in certain areas or by seeking more in-depth study in their fields. Former high school or collegiate varsity athletes who

are completing degree requirements in physical education, as well as any education major or subject area specialization in secondary education, may desire to pursue the Florida Department of Education (FL-DOE) certificate or endorsement in **Coaching**. Majors in other disciplines (e.g., Marine Biology, Photography, Physical Education) who desire to expand their understanding of the underwater world, may pursue a **Minor in Diving Education**. Majors in health-related professions, including Athletic Training, interested in increasing their knowledge of fitness and human performance, have the option of enrolling in courses leading to a **Minor in Exercise Science**. Students interested in broadening their knowledge in the parks, recreation, and leisure fields can seek a **Minor in Parks and Recreation Management**. Majors in other disciplines (e.g., Business, Communication Studies, Exercise Science) who desire to increase their knowledge of and ability to apply administrative principles within the sport industry may complete a **Minor in Sport Management**. In addition, the minors in Exercise Science and Sport Management are also available as areas of specialization to students enrolled in the School of Adult and Continuing Education (ACE) who are pursuing the Bachelor of Professional Studies (B.P.S.) degree. The minor in Parks and Recreation Management is available to ACE students as an area of specialization within both the B.P.S. and Bachelor of Public Administration (B.P.A.) programs. Requirements and descriptions for each of the majors, minors, and special programs offered by the Department of Sport and Exercise Sciences are discussed under the respective program areas.

The SES Department offers an extensive program of **Instructional Activities in Sport and Recreation (ISR)** for students and members of the Barry community who wish to pursue lifetime leisure, personal fitness, and wellness activities. A listing of these activities can be found at the conclusion of this section.

The SES faculty reserve the right to accept, retain, or recommend for graduation only those students who, in addition to satisfying stipulated academic requirements, meet personal and professional standards established by national governing bodies. Admission to the Department of Sport and Exercise Sciences does not guarantee progression to internship courses, certification, or graduation.

MISSION AND PURPOSE

The mission of the Department of Sport and Exercise Sciences complements that of the University. The curriculum is designed to prepare undergraduate students who are qualified to pursue careers related to Athletic Training, Exercise Science, Physical Education, and Sport Management. In addition, the school and department are committed to preparing qualified graduate students for advanced professional studies in Movement Science (M.S.) and Sport Management (M.S.) Instructional activity courses are also offered to provide opportunities for acquisition of wellness, fitness, and leisure skills in sport and recreation. A religious dimension is threaded throughout the core curriculum and professional courses by fostering an instructional environment that invites students to examine the ethical implications of professional practice. The school and department provide community participation and leadership opportunities for interested students, faculty, and staff. The administration and faculty are committed to providing instruction and services that supplement the classroom experience and promote diversity. This caring environment extends beyond the classroom into day-to-day mentoring relationships and services that support academic progress.

DEGREE REQUIREMENTS

Undergraduate majors in the Department of Sport and Exercise Sciences must satisfy all Barry University graduation requirements (e.g., distribution, upper level courses, GPA, minimum credit hours, integrative experience, etc.) as described in the “Academic Information” section located in the front of this catalog. These are in addition to the specific requirements outlined in the following sections for the particular major.

Information pertaining to the Department’s progression for “Full Acceptance” into a major is provided to all undergraduate students who have been initially accepted into the SES Department. Upon completion of the first two semesters of enrollment, each student’s GPA will be reviewed to see if they have achieved program requirement. Once “fully accepted,” individuals who do not continue to meet the minimal academic standards required for “full acceptance” to a particular program or major will be periodically reviewed by the SES faculty to determine eligibility to continue in the program. Requirements for full acceptance to the B.S. to M.S. options in ATR, EXS, and SM exceed the minimum requirements listed in the Acceptance Progression Chart. Please refer to these specific requirements in the Course Catalog or consult with the Program Coordinator.

Before internship, students must be fully accepted into their majors. Most of these culminating, capstone, full-immersion experiences will take place in the nearby community with the appropriate agency. In rare exceptions, approval may be given for out of town internships. These opportunities are reserved for students who evidence academic excellence, professionalism, and initiative. The decision to support an out-of-town internship is based on the recommendation of the advisor, the coordinator, and the department chairperson. Final approval must be obtained from the dean. Background checks and finger printing are required for some internships; costs for these are the responsibility of the student. In addition, students must show evidence of current certification in CPR and First Aid prior to the internship experience.

SES CORE

The SES Core is designed to provide broad-based competencies in certain areas fundamental to all majors seeking sound academic preparation in exercise and sport-related professions. Undergraduate students pursuing the Bachelor of Science (B.S.) degree in Physical Education, Exercise Science and Athletic Training must complete 25 semester hours in the core courses listed below. Students pursuing majors in Sport Management (including concentrations in Diving Industry Management and Golf Industry Management) must complete 22 semester hours in the core courses listed below. (See noted course exceptions.) Additional specific requirements in the major are described under the respective program area. **Students must earn the minimum grade of C or better in all SES Core courses.**

SES	210	Foundations of Sport & Exercise Sciences	3
SES	212	Emergency Response OR	3
SES	112	CPR/AED for the Professional Rescuer	2
SES	270	Concepts of Fitness & Wellness	3
SES	335	Psycho-Social Aspects of Sport	3
SES	340	Adapted Physical Activity in Sport and Recreation	3
SES	360	Essentials of Exercise Physiology and Lab OR	4
SES	361	Exercise Physiology and Lab	
SES	465	Administration of Programs & Facilities (Except Majors in Sport Management)	3
SES	480	Contemporary Issues & Ethics in Sport	3
TOTAL SES CORE			21 – 25

ATHLETIC TRAINING (B.S.)

Rev. Carl R. Cramer, Ed.D., Director

The Bachelor of Science in Athletic Training (ATR) is one of the first undergraduate curriculum programs in athletic training to be accredited and is currently accredited by the Commission on Accreditation of Athletic Training Education (CAATE). This program includes a comprehensive view of the broad field of Sports Medicine and offers future career opportunities in professions related to the care, prevention, assessment, and rehabilitation of sport-related injuries. This undergraduate major also provides a strong foundation in the sciences for those students interested in pursuing graduate study in Athletic Training or related fields (e.g., exercise physiology, various medical professions, occupational therapy, physical therapy, recreational therapy, physician's assistant, etc.).

The B.S. degree in Athletic Training requires 55 credit hours specific to the Athletic Training major (beyond the SES core of 25 credit hours) and includes 20 credit hours of clinical instruction and field experience. The program is designed so that the total 132 cr. hrs. can be completed in 4 years (8 semesters), assuming the student maintains satisfactory progress, remains in good standing, and enrolls in 15-18 credits per term (averaging 17 credit hrs.) including clinical skills instruction.

The minimum grade of C is required in all major, SES core, and co-requisite courses. SES 499 A and SES 499 B (A. T. Internship I and II) meet the integrative experience requirement for graduation.

Completion of ATR degree and clinical requirements prepares the Athletic Training major to attempt the Board of Certification (BOC) examination. A description of clinical program requirements and selection criteria can be found following the ATR degree requirements. The student majoring in Athletic Training must sit for the BOC examination prior to bring approved for graduation. The student is responsible for all examination fees and the cost of all related travel to and from the examination site. Fees are posted on the BOC website at www.bocetc.org. Click on to the Candidate Handbook and Requirements and refer to the fee structure in the appendix. BOC certification, in combination with the B.S. degree in ATR and American Red Cross certifications, qualify the Barry graduate to apply for a State of Florida License in Athletic Training. Licensing information is available from the Program Director and at www.myflorida.com.

Other options: ATR majors should consult with their advisor if interested in pursuing coursework in Pre-Medicine, Pre-Physical Therapy or other allied health graduate programs, as well as classes leading to Florida Teacher certification in related disciplines

(i.e., Biology, Health, or Physical Education). A detailed explanation for each of these areas can be found later in this section.

Minors in **Exercise Science** and **Sport Management** are also available to support the major in Athletic Training, as well as majors in other health-related fields (e.g., nursing, pre-med, allied health, and biological sciences) who are interested in enhancing their knowledge of human performance and movement science.

Five-Year B.S. to M.S. Option

Qualified students may opt for the seamless M.S. degree program in Movement Science specializing in Athletic Training while completing their undergraduate studies. Students may be considered for graduate study at the end of the junior year of undergraduate coursework when they present a cumulative GPA of 3.0 or better and have been “fully accepted” into the five-year seamless M.S. option. Information on the five-year M.S. option is available from one’s academic advisor or the Program Director for Athletic Training and Movement Science. (See detailed program description later in this section.)

Pre-Medical Option

A student completing the Exercise Science or Athletic Training program with high academic standing may include pre-medical studies if interested in applying to medical schools after completion of one of these SES majors. Students must consult the medical school catalog(s) of choice under “Criteria” or “Prerequisites for Admissions” for specific requirements and policies appropriate to each medical school before selecting this option. Declaration of this option will largely depend upon the student’s GPA and faculty/advisor recommendations on academic standing and character. Majors in Athletic Training or Exercise Science may have to complete coursework in the areas of Calculus, College Chemistry with lab, Organic Chemistry with lab, Biochemistry, College Physics with lab, Microbiology, Genetics, Developmental Psychology and/or Abnormal Psychology, and a demonstrated foreign language proficiency. (These requirements may vary based on specific medical school admissions criteria.)

The student interested in the Pre-Medical option should consult with his/her Barry academic advisor early in one’s undergraduate course of study in order to accommodate any additional courses that may be necessary into one’s schedule. Students should also plan to take the Medical College Admissions Test (MCAT) and plan to interview with the medical school(s) of their choice, along with any other criteria for selection established by the respective medical school(s).

Pre-Physical Therapy Option

Students completing the Athletic Training or Exercise Science programs with high academic standing may wish to pursue a pre-physical therapy option. Students must consult the physical therapy school catalog(s) of choice under “criteria” or “prerequisites for admissions” for specific requirements and policies appropriate to each physical therapy school before selecting this option. Declaration of this option will largely depend upon the student’s GPA and faculty/advisor recommendations on academic standing and character. Majors in Athletic Training or Exercise Science may have to complete coursework in the areas of College Chemistry with Lab, College Physics with Lab, Microbiology, Developmental psychology, Abnormal Psychology. (These requirements may vary based on specific admissions criteria established by the respective Physical Therapy School(s) under consideration).

The student interested in the Pre-Physical Therapy option should consult with his/her Barry academic advisor early in one’s undergraduate course of study in order to accommodate any additional courses that may be necessary into one’s schedule. Students should also plan to take the appropriate examination (GRE or AH-PAT) and plan to interview with the Physical Therapy School(s) of their choice, along with any other criteria for selection established by the respective Physical Therapy School(s).

Florida Teacher Certification Option

By taking a few additional courses in Education and Teaching specialization, students completing the Athletic Training major may pursue a teaching certificate for work in Florida secondary schools as a teacher-athletic trainer. Declaration of this option will be based largely upon the student’s GPA and faculty/advisor recommendations on academic standing and character. Recommended subject areas for secondary teaching include Biology, Health or Physical Education. Students interested in the Teacher Certification Option should consult with his/her Barry academic advisor early in one’s undergraduate course of study in order to accommodate any additional courses that may be necessary into one’s schedule.

B.S. in Athletic Training — Program Mission and Terminal Objectives

Mission

The program is designed to prepare qualified athletic trainers for employment in high schools, community colleges, four-year colleges and universities, professional sports programs, and other sports medicine-related agencies throughout the United States and foreign countries. The athletic training educational program provides an effective blend of classroom instruction and clinical experience designed to prepare the student for the prevention, management, and rehabilitation of injuries and/or illnesses experienced by athletes at all levels of competition. Professional preparation of students in the administrative, educational, and counseling aspects of athletic training is also of importance and is included in this program.

The purpose of the Athletic Training Education Program (ATEP) at Barry University is to provide a quality experience in athletic training. The graduate will have the opportunity to return to society a service that will improve the health and well-being of the sports participants and physically active people for whom they care.

Terminal Objectives

The ATEP Program strives to have its graduating students:

- Master the skills, knowledges and clinical proficiencies included in the Educational Competencies In Athletic Training. National Athletic Trainers' Association (NATA, 2005);
- Demonstrate currently accepted professional practices in athletic training (BOC, 2004);
- Utilize through competent practice, the theories and evidence-based procedures that aid in the prevention, recognition, management, and rehabilitation of exercise-related injuries;
- Utilize through competent practice, the theories and evidence-based procedures of program administration, including the education and counseling of those people involved in athletic training;
- Assume personal responsibility for continuing professional competence and development;
- Encourage students to assume leadership roles in the community with respect to effecting social change;
- Engage the athletic training community through participation in state, regional and national symposia;

- Pursue graduate study in athletic training or a related field;
- Incorporate respect for human diversity and dignity while participating in culturally and spiritually sensitive action in community service.

DEGREE REQUIREMENTS

Distribution Requirements and Co-requisites 52

The student majoring in this program must exceed the University's distribution requirement of 45 hours. The Science and Mathematics area requires 16 credit hours of course work, bringing the total distribution credit hours required for Athletic Training majors to 52. **Courses specifically required are listed below each subject area with a double asterisk (**) and must be completed with a grade of C or better.**

THEOLOGY AND PHILOSOPHY 9

(THE or PHI 353 Bio-Medical Ethics, and PHI 120 Critical Thinking, and THE 300 Ethical Decision-Making are strongly recommended choices.)

WRITTEN AND ORAL COMMUNICATION 9

SCIENCE AND MATHEMATICS 16

- ** BIO 220 Intro to Human Anatomy and Lab (4)
- ** BIO 240 Intro to Human Physiology & Lab (5)
- ** MAT 152 Elementary Probability & Statistics (3)
- ** PHY 151 Introductory Physics & Lab (8)

SOCIAL AND BEHAVIORAL SCIENCES 9

- ** PSY 281 Introduction to Psychology (3)

HUMANITIES AND FINE ARTS 9

SES Core Requirements: (See listing. SES 361 required.) 25

Athletic Training Major Requirements 55

CS	180	Introduction to Computers	3
SES	181	A. T. Pre-clinical Skills I	1
SES	220	Care and Prevention of Athletic Injuries & Laboratory	4
SES	281	A. T. Pre-clinical Skills II	1
SES	316	Therapeutic Modalities and Laboratory	4
SES	318	Therapeutic Exercise and Laboratory	4
SES	320	Kinesiology & Laboratory	4
SES	321	Advanced Assessment of Athletic Injuries Upper Extremity and Lab.	4
SES	322	Advanced Assessment of Athletic Injuries Lower Extremity and Lab.	4
SES	330	Nutrition for Physical Performance	3
SES	381A	A. T. Clinical Skills Level II Pt. 1	2
SES	381B	A. T. Clinical Skills Level II Pt. 2	2
SES	481A	A. T. Clinical Skills Level III Pt. 1	2
SES	481B	A. T. Clinical Skills Level III Pt. 2	2
SES	487	Senior Seminar in Athletic Training	3
SES	499A	A. T. Internship I	6
SES	499B	A. T. Internship II	6

DEGREE TOTAL: ATHLETIC TRAINING 132

Clinical Program Requirements in Athletic Training

All course requirements for certification by the BOC are included in the Athletic Training major. To satisfy Barry University and BOC requirements, the student must complete all hours of clinical instruction and field experiences in six continuous semesters of clinical study prior to applying for the BOC certification examination in accordance with the standards set by Barry University, the BOC, and the Commission on Accreditation of Athletic Training Education (CAATE). Clinical courses and Internships may not be done concurrently.

CLINICAL PROGRAM SELECTION CRITERIA

1. A minimum of 24 credit (semester) hours completed.
2. SES 181: A. T. Pre-clinical Skills I; SES 281: A. T. Pre-clinical Skills II; BIO 220: Intro To Human Anatomy with lab; SES 220: care and prevention of athletic injuries and lab; SES 212: Emergency Response completed with all certifications and a grade of C or better.
3. Major declared in Athletic Training.
4. A program application form completed and filed with the Program Director.
5. Official transcripts on file with the academic advisor. Students transferring to Barry and simultaneously applying for acceptance into the clinical program must have their official transcripts filed with their clinical application to the Program Director.
6. Both a cumulative and major GPA of 2.50 or higher to enter and to remain active in the clinical program.
7. Two program recommendations on file with the Program Director.
8. Statement of personal and professional goals filed with the Program Director. (one full page, typed, double spaced)
9. Successful completion of interview with the selection committee.
10. Technical Standards acknowledgement form signed by applicant and witnessed by program director.

The candidates for the clinical component of the athletic training professional program must meet all 10 criteria listed above. The number of appointments to the program will vary from year to year. Program application materials must be received by April 1 of the first academic year in which the student participates as an Athletic Training major in order to be considered for the fall semester. These fall candidates will be notified of their clinical program status after

June 1. Students not accepted on the first attempt have one more opportunity to apply the following year by April 1. The application must be resubmitted *the next consecutive year*. Students unable to qualify for acceptance into the clinical program after the required two (2) consecutive attempts will be withdrawn from the major.

Students must be accepted into the Clinical Program in order to be considered candidates for graduation in Athletic Training.

Students accepted into the clinical program must stay at or above a 2.5 cumulative GPA. Students who drop below 2.5 are placed on clinical probation and have one year to return to clinical standing with a 2.5 or higher cumulative GPA. If after one year of clinical probation that requirement is not met, the student must change his/her major. Students on clinical probation may continue non-clinical coursework, but no clinical hours may be logged or proficiencies checked off. Students on clinical probation are required to maintain a five contact hour per week clinical skills maintenance schedule with their previous terms clinical instructor to be considered for reinstatement when the next term's GPA is determined. Students not keeping the maintenance schedule must repeat the previous clinical course in the program sequence regardless of the grade.

NOTE: Clinical students pursuing the 5-year B.S.-to-M.S. option must attain a minimum 3.0 cumulative GPA in order to be "fully accepted" into this seamless option and prior to enrolling in graduate courses.

Students accepted into the clinical program will be assessed a fee of \$40. This assessment will occur annually at the time of registration and will provide liability insurance coverage for the year. Beginning and maintaining a student membership in the National Athletic Trainer's Association (NATA), Southeastern Athletic Trainer's Association (SEATA), and the Athletic Trainer's Association of Florida (ATAF) is expected of all clinical program students. Clinical students must demonstrate proof of NATA membership before enrollment in SES 499 A. T. Internship I is allowed. (See the ATR Program Director for information on membership). Clinical students are expected to attend at least one professional symposium annually. (See the ATR Program Director for registration information). Uniforms are required for all students in the clinical program. (See the ATR Program Director for cost and purchasing details). Students will need to arrange transportation to off-campus clinical experience sites. This may include cost for public transportation and/or parking. Senior fall interns in SES 499 will begin at their site approximately two weeks before the term begins. Students must make room and board arrangements for this time which may result in additional

financial obligations. Students attending summer session must be enrolled full-time during this session to receive financial aid.

Transfer students' credentials will be examined on the basis of the same ten acceptance criteria and a minimum six semester commitment to meet clinical instruction and field experience requirements at Barry University.

Students who have completed the academic program in Athletic Training must have also completed clinical instruction and field experience (SES 381 and 481 @ 2 hours/segment for two Level II and two Level III segments equaling 8 hours total) prior to being approved for enrollment in SES 499 (Internships). All hours of clinical instruction and field experience must be completed prior to receiving a final grade in SES 499 A. T. Internship II. All Athletic Training majors must apply for the BOC examination on the advertised date nearest their date of graduation. Applications must be filed no later than the final semester of study in order to be approved for graduation. Please see the program director for BOC examination application information.

The clinical education component of the Athletic Training Program at Barry University is a competency-proficiency based program which utilizes faculty in mentoring students in the attainment of athletic training clinical knowledge and skills. Each year is considered a clinical level in which selected proficiencies and experiences must be completed BEFORE advancing to the next clinical level. Before applying for the clinical education program, students must enroll in SES 181/SES 281. All Athletic Training majors not yet accepted into the clinical education program must be enrolled in SES 181/SES 281. Students in Level I who are not enrolled in SES 181/281 shall be withdrawn from the ATR major program.

Level I Completion Requirements:

1. Successful completion of SES 181/281, SES 212 and Lab, SES 220 and Lab, BIO 220 and Lab
2. Minimum cumulative GPA of 2.5.
3. Acceptance into the clinical education program.
4. Interim acceptance achieved by the end of year one.

Level II Completion Requirements:

1. Completion of SES 321/322 and Labs, SES 316 and Lab, SES 381A and SES 381B with a grade of C or better.
2. Emergency Response re-certifications
3. Minimum cumulative GPA of 2.5.
4. Recommendation of the Athletic Training faculty for Level III promotion.

5. Submit application for "full acceptance" (required prior to enrolling in SES 481A).
6. "Full Acceptance" granted.

Level III Completion Requirements:

1. Completion of SES 318 and Lab, SES 481A and SES 481B with a grade of C or better.
2. Emergency Response re-certifications
3. Minimum cumulative GPA of 2.5.
4. Recommendation of the Athletic Training faculty for Level IV promotion.

Level IV Completion Requirements:

1. Completion of SES 499 in two semesters at 6 credits per semester, with grades of C or better.
2. Emergency Response re-certifications
3. Minimum cumulative GPA of 2.5.
4. Completion of SES 487 with a grade of C or better.
5. Recommendation of the Athletic Training faculty for the BOC examination and graduation.

Technical Standards for Clinical Program Acceptance

The Athletic Training Educational Program at Barry University is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards set forth by the Barry University Athletic Training Educational Program establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program's accrediting agency, the Commission on Accreditation of Athletic Training Education (CAATE). The following abilities, personal qualities, and expectations must be met by all students admitted to, studying in, and graduating from, the Athletic Training Educational Program.

Compliance with the program's technical standards does not guarantee a student's eligibility for the BOC certification exam or a student's progress to internship courses or graduation. The Athletic Training faculty reserve the right to accept, to retain, and to recommend to the dean for graduation only those candidates who fulfill all academic requirements and who satisfy all technical standards.

Candidates for selection to, and completion of, the Athletic Training Educational Program must demonstrate:

Standard 1. Intellect

the mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve

to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm.

Standard 2. Physical Ability

sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients.

Standard 3. Communication

the ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds; this includes, but is not limited to, the ability to establish rapport with patients and communicate judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice.

Standard 4. Receptive Language

the ability to record the physical examination results and a treatment plan clearly and accurately.

Standard 5. Emotional Fortitude

the capacity to maintain composure and continue to function well during periods of high stress.

Standard 6. Commitment

the perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced.

Standard 7. Flexibility

flexibility and the ability to adjust to changing situations and uncertainty in clinical situations.

Standard 8. Professionalism

affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Evaluation of Technical Standards

Students who with reasonable accommodation(s) are found to not be able to meet the technical standards of the Athletic Training Educational Program (ATEP) must change their major.

Appeal

Students failing to meet the technical standards with all reasonable accommodation(s) may request an outside review of their ability to meet the technical standards by a Florida Licensed and BOC certified athletic trainer in good standing with the BOC who has an approved clinical instructor (ACI) rating in conjunction with a licensed Psychiatrist specializing in

disabilities. This review should be arranged through the ATEP program director. If the review affirms the program's position of failure to meet the technical standards, the student will immediately change his or her major. If the review affirms the student's position, the student will be allowed to continue with the signed understanding that he or she in all probability will not be able to earn a passing performance in the clinical course sequence or the BOC Examination. Barry University policy allows a maximum of three attempts at any course. After the third failed attempt at any clinical coursework, the student at that time would be required to change his or her major.

**ATHLETIC TRAINING
(B.S. TO M.S.)**

Rev. Carl R. Cramer, Ed.D., Director

The seamless Bachelor of Science to Master of Science Degree in Athletic Training is a 162 semester hour (10 semester) program available to qualified students, which can be completed in five years. A summer term may be required in some cases. Choices include a thesis option OR the successful completion of the comprehensive examination and a project/internship. The program requires 132 undergraduate semester hours and 30 graduate semester hours. The student who successfully completes the program meets the requirements for the Bachelor of Science degree in Athletic Training and the Master of Science Degree in Movement Science with a specialization in Athletic Training. This degree program option in Athletic Training merges the undergraduate CAATE accredited entry-level program with an advanced graduate Athletic Training degree program in a seamless five-year time frame. Students will need to arrange transportation to off-campus clinical experience sites. This may include cost for public transportation and/or parking. Senior fall interns in SES 499 will begin at their site approximately two weeks before the term begins. Students must make room and board arrangements for this time which may result in additional financial obligations. Students attending summer session must be enrolled full-time during this session to receive financial aid.

**Full Acceptance into the B.S. to M.S.
Program in Athletic Training**

The undergraduate student intending to apply to the program should meet with the Athletic Training Director as soon as possible and no later than during the last semester of the second clinical year. Before beginning graduate level coursework in the B.S. to M.S. program, the undergraduate student must first

be “fully accepted” into the undergraduate Athletic Training program by meeting the established SES and ATR full acceptance requirements and have two semesters remaining in the B.S. program available to begin graduate courses. To be accepted to the B.S. to M.S. Athletic Training program, the student must have met the following additional requirements:

1. 3.00 cumulative undergraduate GPA
2. Approval from the Athletic Training Program Director, the Director of Graduate Programs of the Department of Sport and Exercise Sciences, the Chairperson of the Department of Sport and Exercise Sciences, and the Dean of the School of Human Performance and Leisure Sciences.
3. Completion of 90 or more undergraduate credit hours by the end of the last semester of the second clinical year.
4. Two semesters remaining on the student’s academic schedule for B.S. completion.
5. Completion of the Barry University Graduate Application, including a letter of intent and two letters of recommendation.

A student accepted into the program who later decides not to complete it may still satisfy the requirements for the Bachelor of Science degree in Athletic Training with successful completion of the 132 undergraduate Athletic Training degree credits including all undergraduate degree requirements.

Graduation Requirements

1. Successful completion of the Movement Science Graduate Program Core Requirements (12credits).
2. Successful completion of the Athletic Training Course Requirements (18 credits).
3. Cumulative GPA of 3.0 or higher in graduate level courses, no “D” or “F” grades, and no more than six credits with a grade of “C”.
4. Successful completion of the comprehensive examination and project/internship or Master’s thesis and oral defense.

(See Graduate Catalog for specific degree requirements)

DEGREE REQUIREMENTS: B.S. to M.S.

Distribution Requirements and Co-requisites 52

The student majoring in this program must exceed the University’s distribution requirement of 45 hours. The Science and Mathematics area requires 16 credit hours of course work, bringing the total distribution credit hours required for Athletic Training majors to 52. **Courses specifically required are listed below each subject area with a double asterisk (**) and must be completed with a grade of C or better.**

THEOLOGY AND PHILOSOPHY	9
(THE or PHI 353 Bio-Medical Ethics, and PHI 120 Critical Thinking, and THE 300 Ethical Decision-Making are strongly recommended choices.)	
WRITTEN AND ORAL COMMUNICATION	9
SCIENCE AND MATHEMATICS	16
**BIO 220 Intro To Human Anatomy and Lab (4)	
**BIO 240 Intro To Human Physiology & Lab (5)	
**MAT 152 Elementary Probability & Statistics (3)	
**PHY 151 Introductory Physics & Lab (4)	
SOCIAL AND BEHAVIORAL SCIENCES	9
**PSY 281 Introduction to Psychology (3)	
HUMANITIES AND FINE ARTS	9
SES Core Requirements	25
(See listing. SES 361 required.)	
Athletic Training Major Requirements	55
CS 180 Introduction to Computers	3
SES 181 A. T. Pre-clinical Skills I	1
SES 220 Care and Prevention of Athletic Injuries & Laboratory	4
SES 281 A. T. Pre-Clinical Skills II	1
SES 316 Therapeutic Modalities and Laboratory	4
SES 318 Therapeutic Exercise and Laboratory	4
SES 320 Kinesiology & Laboratory	4
SES 321 Advanced Assessment of Athletic Injuries Upper Extremity and Lab.	4
SES 322 Advanced Assessment of Athletic Injuries Lower Extremity and Lab.	4
SES 330 Nutrition for Physical Performance	3
SES 381A A. T. Clinical Skills Level II Pt. 1	2
SES 381B A. T. Clinical Skills Level II Pt. 2	2
SES 481A A. T. Clinical Skills Level III Pt. 1	2
SES 481B A. T. Clinical Skills Level III Pt. 2	2
SES 487 Senior Seminar in Athletic Training	3
SES 499A A. T. Internship I	6
SES 499B A. T. Internship II	6
Athletic Training Graduate Requirements	30
SES 520 Biomechanics	3
SES 545 Manual Techniques	3
SES 547 Biom. of Musculoskeletal Injury	3
SES 590 Gross Anatomy and Lab	6
SES 616 Research Methods	3
SES 627ABC Laboratory Instrumentation	3
SES 686 Adv. Practicum in A.T. I	1
SES 686 Adv. Practicum in A.T. II	1
SES 686 Adv. Practicum in A.T. III	1
SES 689 Thesis	
OR	6
SES 679 Project/Internship	
DEGREE TOTAL:	162
ATHLETIC TRAINING (B.S. to M.S.)	162

EXERCISE SCIENCE (B.S.)

Constance M. Mier, Ph.D., Coordinator

The Bachelor of Science Degree in Exercise Science (EX) is a 121-semester-hour program which prepares students for a wide variety of health-related careers which include, but are not limited to the following:

- Fitness and wellness programs: careers include health and fitness instructor, strength training instructor; exercise leader, health and fitness program director.
- Clinical programs such as cardiac/pulmonary rehabilitation: careers include exercise specialist, exercise test technologist, clinical program director.
- Exercise physiology research: a B.S. degree in Exercise Science prepares students for graduate degree work in an exercise physiology laboratory. Careers include laboratory technician, research assistant, research scientist.
- Other careers: a B.S. degree in Exercise Science is a stepping stone for other health-related careers such as nursing, physical therapy and physician assistant.

The program requires 38 credit hours (beyond the SES core of 24 hours) which are specific to the Exercise Science major and which prepare students to attempt professional certification examinations. A student majoring in Exercise Science must take the ACSM Health/Fitness Instructor or the NSCA Strength and Conditioning Specialist certification examination prior to graduation. **The minimum grade of C is required in all major, SES core, and co-requisite courses.**

Requirements for Full Acceptance to the Exercise Science Major:

Students who have satisfied all SES Interim Acceptance requirements should apply for Full Acceptance to the major when all criteria have been met. Full acceptance status is required prior to enrolling in SES 361 Exercise Physiology and all 400 level SES courses. The student is eligible for full acceptance to the Exercise Science Major when the following requirements have been completed:

1. The student has completed at least 60 hours applicable to the degree and has fulfilled all SES Interim Acceptance requirements.
2. The student has declared a major in Exercise Science.
3. The student has both a 2.75 CUM GPA and a 2.75 Average GPA in all SES and major courses attempted.

4. The student has the recommendation of his/her advisor and the Coordinator of the Exercise Science Program, as well as the SES Faculty Review Panel.

Field Experiences in Exercise Science

Students must pass SES 361 (Exercise Physiology) with a C or better prior to being admitted to SES 486 (Practicum). Practicum in Exercise Science requires at least 4 hours per week of guided field experience in laboratory testing and research, exercise leadership, exercise prescription and programming, and fitness assessment. (See other SES 486 requirements in the course descriptions section.)

SES 499 (Internship in Exercise Science) is a full-time field experience in a hospital-based wellness or cardiac rehabilitation program, a corporate fitness center, sports training facility or other off-campus fitness/exercise facilities. Completion of SES 486 with a grade of B or better is required in order to receive approval from the Program Coordinator and Department Chair to enroll in SES 499. (See other requirements under course descriptions.) SES 499: Internship meets the integrative experience requirement for graduation.

DEGREE REQUIREMENTS

Distribution Requirements and Co-requisites 56
The student majoring in Exercise Science must exceed the University's distribution requirement of 45 hours. The Science and Mathematics area includes 11 additional hours of required coursework, bringing the total distribution credit hours required for Exercise Science majors to 56. **Courses specifically required are listed below each subject area with a double asterisk (**) and must be completed with a grade of C or better.**

THEOLOGY AND PHILOSOPHY 9
(THE or PHI 353, Bio-Medical Ethics is strongly recommended)

WRITTEN AND ORAL COMMUNICATION 9

SCIENCE AND MATHEMATICS 20

** BIO 230 Human Anatomy and Laboratory (4)

** BIO 240 Introduction to Human Physiology & Lab (5)

** CHE 152 Intro. to Organic & Biological Chemistry & Lab (4)
OR

** CHE 111 General Chemistry and Qual. Lab (4)

** MAT 152 Elementary Probability & Statistics (3)

** PHY 151 Introductory Physics & Lab (4)

SOCIAL AND BEHAVIORAL SCIENCES 9

** PSY 281 Introduction to Psychology (3)

HUMANITIES AND FINE ARTS 9

SES Core Requirements:

(See listing, SES 361 required)

Exercise Science Major Requirements

CS	180	Introduction to Computers	3
SES	220	Care & Prev. of Athletic Injuries	3
SES	320	Kinesiology & Laboratory	4
SES	330	Nutrition for Physical Performance	3
SES	370	Fitness Assessment and Exercise Prescription	3
SES	370L	Fitness Assessment and Exercise Prescription Lab	1
SES	441	Cardiac Rehabilitation and Lab	3
SES	441L	Cardiac Rehabilitation Lab	1
SES	463	Appl. Physiol. Of Resist. Training	3
SES	486	Practicum in Exercise Science	2
SES	499	Internship in Exercise Science	12

Electives (3 hours minimum)

Recommended Courses:

SES	326	Principles of Motor Learning (3)	3
SES	469	Directed Readings in Exercise Science (3)	3
SES	479	Directed Research in Exercise Science (3)	3
SES	485	Intro. to Law in Sport and Exercise Sciences (3)	3

DEGREE TOTAL:**EXERCISE SCIENCE (B.S.) 121****Minor in Exercise Science**

An Exercise Science minor is available to complement pre-professional majors in medical, allied health, athletic training or other science-based fields who are interested in further study in the areas of exercise prescription and fitness programming. A student may earn a minor in Exercise Science by completing the following courses:

SES	112	CPR/AED for the Prof. Rescuer	2
SES	270	Concepts of Fitness and Wellness	3
SES	320	Kinesiology & Laboratory	4
SES	361	Exercise Physiology and Lab	4
SES	370	Fitness Assessment and Exercise Prescription	3
SES	370L	Fitness Assessment and Exercise Prescription Lab	1
SES	441	Cardiac Rehabilitation and Lab	4
SES	463	Applied Physiology of Resistance Training	3
SES	486	Practicum in Exercise Science	2

MINOR IN EXS TOTAL: 26**Pre-Physical Therapy and Pre-Medical Options:**

Available only to majors in Exercise Science or Athletic Training (ATR). Please refer to the details on the undergraduate course requirements for these program options as described in the Athletic Training section.

EXERCISE SCIENCE (B.S. TO M.S.)

Constance M. Mier, Ph.D., Coordinator

The seamless Bachelor of Science to Master of Science Degree in Exercise Science is a 151 semester hour program available to qualified students, which can be completed in five years plus thesis or a summer internship (11 semesters). The program requires 115 undergraduate semester hours and 36 graduate semester hours. The student who successfully completes the program meets the requirements for the Bachelor of Science degree in Exercise Science and the Master of Science degree in Movement Science with a specialization in Exercise Science.

The student selects one of two tracks, clinical or research. The clinical track prepares the student for director positions in fitness and wellness clinics. Several courses offer firsthand experience within fitness and wellness programs, including a graduate-level internship. Additional courses within SES emphasize administrative, marketing and legal aspects of fitness and wellness careers. The research track is designed to prepare the student for doctoral study in exercise physiology research or in the medical field, having its greatest emphasis in the sciences. Emphasis is placed on practical experience in the human performance laboratory, including a graduate-level thesis.

Requirements for Full Acceptance to the B.S. to M.S. Exercise Science Program

The undergraduate student must first declare their major in the Exercise Science BS to MS degree program prior to completing 90 credit hours. Before beginning graduate level coursework in the B.S. to M.S. Exercise Science program, the undergraduate student must first be fully accepted in the B.S. to M.S. program by meeting the full acceptance requirements listed below. The undergraduate student who has been fully accepted into the program should meet with the Exercise Science Coordinator prior to beginning graduate coursework to determine if s/he will be pursuing the clinical or the research track.

Requirements for full acceptance into the B.S.-to-M.S. Exercise Science program:

1. Major in the B.S. to M.S. Exercise Science program has been declared.
2. Successful completion of Biology 230 (Human Anatomy), Biology 240 (Human Physiology), CAT 102 (Basic Computer Applications), SES 210 (Foundations of Sport & Exercise Science), SES 270 (Concepts of Fitness and Wellness), or equivalent courses, with a grade of C or better.
3. 3.0 cumulative GPA, and 2.75 average GPA in major, SES core, and co-requisite courses.

- Approval from the Exercise Science Program Coordinator, the Chairperson of the Department of Sport and Exercise Sciences, and the Dean of the School of Human Performance and Leisure Sciences.

Graduation Requirements

- Successful completion of the course and credit hour requirements.
- Cumulative GPA of 3.0 or higher in graduate-level courses, no “D” or “F” grades, and no more than six credits with a grade of “C”.
- Successful completion of the comprehensive examination (clinical track).
- Successful completion of the internship and the internship project (clinical track).
- Acceptable oral defense of thesis (research track).

DEGREE REQUIREMENTS, B.S. TO M.S.

Distribution Requirements and Co-requisites 56

The student enrolled in the B.S. to M.S. degree program must exceed the University’s distribution requirement of 45 hours for a Bachelor of Science degree. Six (6) credit hours must be 300+ level courses. **Courses specifically required are listed below each subject area. Those courses with a double asterisk (**) must be completed with a grade of C or better.**

THEOLOGY AND PHILOSOPHY 9
(THE or PHI 353, Bio-Medical Ethics is strongly recommended)

WRITTEN AND ORAL COMMUNICATION 9

SCIENCE AND MATHEMATICS 20

- ** BIO 230 Human Anatomy and Laboratory (4)
- ** BIO 240 Introduction to Human Physiology & Lab (5)
- ** CHE 152 Intro. to Organic & Biological Chemistry & Lab (4)
or
- ** CHE 111 General Chemistry & Qual Lab (4)
- ** MAT 152 Elementary Probability & Statistics (3)
- ** PHY 151 Introductory Physics & Lab (4)
or
- ** PHY 201 General College Physics & Lab (4)

SOCIAL AND BEHAVIORAL SCIENCES 9

- ** PSY 281 Introduction to Psychology (3)

HUMANITIES AND FINE ARTS 9

SES Core Requirements: 24
(See listing. SES 361 required)

Exercise Science Major Undergraduate Requirements 32
(for both clinical and research tracks)

CS 180 Introduction to Computers 3

SES	220	Care & Prev. of Athletic Injuries	3
SES	320	Kinesiology & Laboratory	4
SES	330	Nutrition for Physical Performance	3
SES	370	Fitness Assessment and Exercise Prescription	3
SES	370L	Fitness Assessment and Exercise Prescription Lab	1
SES	441	Cardiac Rehabilitation	3
SES	441L	Cardiac Rehabilitation Lab	1
SES	463	Appl. Physiol. Of Res. Training	3
SES	486	Practicum	2
SES	499	Internship	6

Undergraduate Course Electives 3
(3-6 credit hours must be 300+ level coursework)

Recommended Courses:

SES	326	Principles of Motor Learning (3)	
SES	469	Directed Readings in Exercise Science (3)	
SES	479	Directed Research in Exercise Science (3)	
SES	485	Intro to Law in Sport & Exercise Science (3)	
ACC	201	Financial Accounting (3)	
ECO	201	Intro Macroeconomics (3)	

Exercise Science Major Graduate Requirements 21

SES	520	Biomechanics or	
	546	Qualitative Analysis of Biomechanics (3)	
SES	561	Adv Exercise Physiology (3)	
SES	561L	Adv Exercise Physiology Lab (1)	
SES	578	ECG Interpretation & Exercise Testing (2)	
SES	616	Research Methodology (3)	
SES	618	Fitness & Wellness Promotion (3)	
SES	672	Exercise & Energy Metabolism (3)	
SES	686	Advanced Practicum (3)	

Clinical (6 hrs. required):

SES	679	Internship (6)	
		or	

Research (9 hrs. required):

SES	689	Thesis (6)	
SES	701	Advanced Studies in Applied Statistics (3)	

Graduate Course Electives 6-9

Recommended Courses:

SES	537	Sport Psychology (3)	
SES	585	The Law in Sport & Exercise Science (3)	
SES	625	Motor Learning and Control (3)	
SES	627	Lab Instrumentation in Biomechanics (3)	
SES	660	Performance Enhancement Psychology (3)	
SES	662	Exercise Psychology (3)	
SES	701	Advanced Studies in Exercise Science (3)	

DEGREE TOTAL: EXERCISE SCIENCE (B.S. to M.S.) 151

LEISURE AND RECREATION MANAGEMENT (B.S.)

Gayle Workman, Ph.D., Coordinator

The Bachelor of Science degree in Leisure and Recreation Management (LRM) prepares students to design, manage, and deliver leisure and recreation services to a variety of people in diverse settings. The Leisure and Recreation Management major requires a total of 124 semester hours of coursework, including a full-immersion 12 hour internship. Students choose either a 23 hour minor in Environmental Studies or an 21 hour minor in Business to complete this degree. **The minimum grade of C is required in all major, SES core, minor, and co-requisite courses.**

The major in Leisure and Recreation Management focuses on developing the skills to meet the demand and consumer expectations for the expanding leisure industry worldwide. The Environmental Studies minor is meant to strengthen and deepen students' knowledge and sensitivity regarding human impact on the environment, and the critical role this plays within the broad field of outdoor leisure and recreation. Students choosing the Business minor receive an academic background preparing them for positions of responsibility and leadership in the areas of marketing, management, accounting, and economics. Extensive opportunities to integrate classroom learning within private leisure programs, tourism agencies, and public recreation and park facilities enhances students' knowledge and refines skills.

LEISURE AND RECREATION MANAGEMENT FULL ACCEPTANCE REQUIREMENTS

All students who have declared a major in Leisure and Recreation Management and meet the requirements for admission to Barry University will be "initially accepted" into the major. (See Acceptance Progression Chart depicted earlier in the SES section of this catalog). Applications for Full Acceptance into the major are to be submitted to the program Coordinator. This process is usually begun during the last semester of the sophomore year but no later than the start of the senior year.

Full Acceptance Criteria:

1. The student has completed at least 60 hours applicable to the degree and has completed 50% of distribution requirements OR has fulfilled all SES Interim Acceptance requirements.
2. The student has declared a major in Leisure and Recreation Management.
3. The student has achieved a 2.00 cumulative GPA.

4. Achieved a 2.00 average GPA in all SES and EVS courses combined;
5. The student has the recommendation of the program Coordinator, the Undergraduate Director, and the Associate Dean.

Terminal Objectives:

The Leisure and Recreation Management Program strives to have its graduating students:

- Master the skills, knowledge and proficiencies included in the Standards and Evaluation Criteria established by the Council on Accreditation and sponsored by the National Recreation and Park Association and the American Association for Physical Activity and Recreation.
- Demonstrate currently accepted professional practices in Leisure and Recreation Management.
- Assume personal responsibility for continuing professional competence and development.
- Assume leadership roles in the community with respect to effecting social change.
- Engage in the community through participation in state, regional and national symposia.
- Incorporate respect for human diversity and dignity while participating in culturally and spiritually sensitive action in community service.

DEGREE REQUIREMENTS

Degree Requirements: Students in the four-year BS program must complete a total of 124 credits, organized as follows:

Distribution – 47

SES Core – 22

SES Major – 42

Minor in Environmental Studies – 10 (13 credits included in Distribution = 23 credits) of

Minor in Business – 21

Elective – 3-8

Total – 124

LRM with Environmental Studies Minor

Distribution Requirements and Co-requisites: 47
(Courses specifically required are listed below each subject area with an asterisk (*) meets both distribution and minor requirements and must be completed with a grade of C or better).

THEOLOGY AND PHILOSOPHY 9

*PHI 354 Environmental Ethics (3)

WRITTEN AND ORAL COMMUNICATION 9

SCIENCE AND MATHEMATICS 11

*BIO 104 Biological Foundations (4)

*BIO 220 Human anatomy and Lab (4)

*MAT 152 Elementary Probability and Stats (3)

SOCIAL AND BEHAVIORAL SCIENCES	9	Minor in Environmental Studies	13
PSY 281 Introduction to Psychology (3)		(23 credits total with 10 credits (*), including GEO 301, reflected in distribution)	
* GEO 301 World Environments (3)		*BIO 104 Biological Foundations (4)	
* GEO 320 Geography of Disasters (3)		BIO 260 Biodiversity of Ecosystems (4)	
HUMANITIES AND FINE ARTS	9	BIO 360 Dynamics of Restoration Ecology (3)	
LRM with Business Minor Distribution Requirements and Co-requisites:	47	EVS 310 Environmental Movements (3)	
(Courses specifically required are listed below each subject area with a double asterisk (**)) and must be completed with a grade of C or better).		*GEO 320 Geography of Disasters (3)	
THEOLOGY AND PHILOSOPHY	9	*PHI 354 Environmental Ethics (3)	
WRITTEN AND ORAL COMMUNICATION	9	Recommended Electives (3 credit hours minimum)	
SCIENCE AND MATHEMATICS	11	SES 346 Wilderness Expeditionary Training (3)	
** BIO 220 Human Anatomy and Laboratory (4)		SES 388 Sport Ecotourism (3)	
** MAT 152 Elementary Probability & Statistics (3)		BIO 112 Botany (4)	
** SES 360 Essentials of Exercise Physiology and Lab (4)		BIO 216 Zoology (4)	
(also required in SES Core)		CHE 209 Environmental Chemistry (3)	
SOCIAL AND BEHAVIORAL SCIENCES	9	EVS 430 Environmental Crime and Law (3)	
** ECO 201 Introductory Macroeconomics (3)		OR	
(also required for minor in Business)		Minor in Business	21
** PSY 281 Introduction to Psychology (3)		ACC 201 Financial Accounting	3
HUMANITIES AND FINE ARTS	9	ECO 201 Intro. Macroeconomics	
SES Core Requirements	22	(3 hrs. counted in Distribution)	
SES 210 Foundations of Sport and Exercise (3)		MIS 215 Intro. to Management Systems	3
SES 212 Emergency Response and Lab (3)		MGT 305 Organizational Behavior	
SES 270 Concepts of Fitness and Wellness (3)		& Management	3
SES 335 Psycho-Social Aspects of Sport (3)		MGT 352 Human Resource Management	3
SES 340 Adapted Physical Activity, Recreation and Sport (3)		MKT 306 Marketing Concepts and Applications	3
SES 360 Essentials of Exercise Physiology and Lab (4)		MKT 385 Consumer Behavior	
SES 480 Contemporary Issues and Ethics in Sport and Exercise Sciences (3)		(Prerequisite - SES 440)	3
* Required in SES and also counted in Distribution.		Electives (8 hours minimum)	8
Leisure and Recreation Management Core Requirements	42	Recommended Courses:	
SES 150 Introduction to Outdoor Pursuits (3)		SES 308 Underwater Photography (3)	
CS 180 Introduction to Computers (3)		SES 311 Tropical Diving Requirements (3)	
SES 260 Leisure Programming and Planning (3)		SES 346 Wilderness Expeditionary Training (3)	
SES 262 Recreational Leadership (3)		SES 388 Sport Ecotourism (3)	
SES 292 Commercial Recreation (3)		SES 431 Media Relations in Sport (3)	
SES 380 Facility Design and Event Management (3)		COM 200 Introduction to Mass Media (3)	
SES 390 Natural Resource Recreation Management (3)		COM 390 Principles of Public Relations (3)	
SES 485 Intro to Law in Sport and Exercise Sciences (3)		ENG 417 Advertising Copywriting (3)	
SES 422 Principles of Sport Travel and Tourism (3)		ENG 418 Publication Production and Layout (3)	
SES 499 Internship (12)		Or other courses as approved by advisor	
SES 346 Wilderness Expeditionary Training (3)		Degree Total:	124
OR		Leisure and Recreation Minor — 18	
SES 388 Sport Ecotourism (3)		The minor in Parks and Recreation Management is available for students interested in broadening their knowledge in the leisure field. This minor is designed to prepare students enrolled in other majors for career opportunities in the recreation industry. A student may earn a minor in Parks and Recreation Management by selecting 18 credit hours from the following courses:	
		Recommended Courses:	
		SES 260 Leisure Programming and Planning (3)	
		SES 262 Recreational Leadership (3)	
		SES 292 Commercial Recreation (3)	
		SES 380 Facility Design and Event Management (3)	

SES	390	Natural Resource Recreation Management (3)
SES	485	Intro to Law in Sport and Exercise Sciences (3)
SES	422	Principles of Sport Travel and Tourism (3)
SES	346	Wilderness Expeditionary Training (3)
SES	388	Sport Ecotourism (3)

Technical Standards for Program Acceptance, Progression, and Graduation

The Leisure and Recreation Management Program at Barry University places specific requirements and demands on the students enrolled in this program. An objective of this program is to prepare graduates to enter a variety of employment settings within this industry and to render service to a wide spectrum of individuals engaged in some form of leisure, recreation, and/or physical activity. The technical standards set forth by the Barry University Leisure and Recreation Management Program establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies for successful degree completion and future employment within this field. The following abilities, personal qualities, and expectations must be met by all students admitted to, and graduating from, the Leisure and Recreation Management Program.

The Sport and Exercise Science faculty reserve the right to accept, to retain, and to recommend to the dean for graduation only those candidates who fulfill all academic requirements and who satisfy all technical standards.

Candidates for selection to, and completion of, the Leisure and Recreation Management Program must demonstrate the following:

Standard 1. Critical Thinking

The mental capacity to assimilate, analyze, synthesize, integrate concepts, creatively problem solve, and demonstrate sound judgement when working with individuals or groups.

Standard 2. Physical Ability

Sufficient mobility and coordination to safely and efficiently move in indoor and outdoor leisure and recreation environments and settings.

Standard 3. Communication

The ability to communicate effectively with others in written and oral form.

Standard 4. Social Behavior

Compassion, integrity, interest and motivation.

Standard 5. Interpersonal

The capacity to sufficiently interact and establish rapport with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.

Standard 6. Commitment

The perseverance, diligence and commitment to complete the Leisure and Recreation Management Program as outlined and sequenced.

Standard 7. Flexibility

The ability to adjust to changing situations without undue difficulty.

Standard 8. Professionalism

The affective skills and appropriate demeanor that relate to professional behavior and decision-making.

Evaluation of Technical Standards

Students who with reasonable accommodation(s) are found to not be able to meet the technical standards of the Leisure and Recreation Management (LRM) program must change their major.

Appeal

Students failing to meet the technical standards with all reasonable accommodation(s) may request an outside review of their ability to meet the technical standards by the SES faculty, Department Chair and Dean. If the review affirms the program's position of failure to meet the technical standards, the student must immediately change his or her major. Barry University policy allows a maximum of three attempts at any course. After the third failed attempt at any coursework, the student at that time would be required to change his or her major.

PHYSICAL EDUCATION (B.S.)

Kathryn Ludwig, Ph.D., Coordinator

This program may meet the requirements for Florida temporary certification. Additional requirements would subsequently be necessary to obtain a professional certificate. Students are advised that this program may not be accepted for certification in other states because it is not a state approved program.

The Bachelor of Science degree in Physical Education (PE) prepares the student to teach physical education, fitness, and wellness in the primary, elementary, and/or secondary schools (K-12). The Physical Education major requires a total of up to 121 semester hours of coursework. **The minimum grade of C is required in all major, SES core, education, and co-requisite courses.**

The major in Physical Education focuses on the acquisition of knowledge and the refinement of teaching skills in the areas of fitness, team and individual sports, recreational games, and aquatics, as well as balance, tumbling, rhythmic and movement activities. Emphasis is placed on the sequencing of skills from

elementary through the secondary grades. Extensive opportunities for clinical experiences are provided over a minimum of three years, beginning with classroom observations in EDU 151, and SES 210. Continued observations and student-aiding are part of the course requirements in SES 470 and 476. SES 486 (Practicum in Teaching Physical Education) offers opportunities for further refining teaching skills.

Vision Statement

It is the vision of the Barry University physical education program to focus on dynamic and humanistic physical education pedagogy to prepare teachers in physical education who are effective decision makers, leaders, and lifelong learners. We aim to foster physical educators who are adaptive, creative, collaborative, culturally sensitive, empathetic, knowledgeable, proactive, reflective, ethical, and professional. We prepare physical educators to promote all aspects of a healthy lifestyle through effective, inclusive, and enthusiastic teaching practices.

Outcomes

The Physical Education program at Barry University directly reflects the highest expectations of discipline standards as written by the National Association for Sport and Physical Education. As such, Physical Education graduates are prepared to:

1. Understand physical education content and disciplinary concepts related to the development of a physically educated person.
2. Understand how individuals learn and develop, and provide opportunities that support physical, cognitive, social and emotional development.
3. Understand how individuals differ in their approaches to learning and create appropriate instruction adapted to these differences.
4. Use and have an understanding of individual and group motivation and behavior to create a safe learning environment that encourages positive social interaction, active engagement in learning, and self-motivation.
5. Use knowledge of effective verbal, nonverbal, and media communication techniques to enhance learning and engagement in physical education settings.
6. Understand the importance of planning developmentally appropriate instructional units to foster the development of a physically educated person.
7. Understand and use the varied types of assessment and their contribution to overall program and the development of the physical, cognitive, social, and emotional domains.
8. Understand the importance of being a reflective practitioner and its contribution to overall professional development and actively seek opportunities to sustain professional growth.
9. Use information technology to enhance learning and personal and professional productivity.
10. Understand the necessity of fostering collaborative relationships with colleagues, parents/guardians, and community agencies to support the development of a physically educated person.

PHYSICAL EDUCATION FULL ACCEPTANCE REQUIREMENTS

All students who have declared a major in Physical Education and meet the requirements for admission to Barry University will be “initially accepted” into the major. (See Acceptance Progression Chart depicted earlier in the SES section of this catalog). Applications for Full Acceptance into the major are to be submitted to one’s faculty advisor or to the PE Program Coordinator well in advance of seeking enrollment in the methods course sequence (SES 470 and 476). This process is usually begun during the last semester of the sophomore year but no later than the start of the senior year.

Full Acceptance Criteria:

1. Pass proficiency tests in several locomotor skills, sports skills, and basic knowledge areas. The student must pass all proficiency tests prior to being “fully accepted.” Opportunities to improve any deficiencies identified are provided through the broad selection of ISR course offerings.
2. Achieve a 2.50 cumulative GPA;
3. Achieve a 2.50 average GPA in all SES and EDU courses combined;
4. Complete all SES department “Interim Acceptance” requirements.
5. Apply for “Full Acceptance” no later than the junior year or the completion of 90 credits of coursework;
6. Seek the recommendation from the Physical Education Program Coordinator;
7. Obtain approval from the SES Faculty Review Panel.
8. Students who meet most, but not all, of the requirements for Full Acceptance may petition in writing for special consideration by the Physical Education Program Coordinator, the Department Chair, and the HPLS Dean prior to seeking enrollment in the methods course sequence. If permission is given to enroll in SES 470/476, the student will be granted a temporary extension and placed on continued INTERIM ACCEPTANCE with stipulated conditions

that must be met at the end of one more semester. Students who meet all stipulated conditions will be fully accepted.

Approval for Student Teaching:

SES 486: PE Student Teaching meets the integrative experience requirement for graduation. In order to be granted permission by the Department Chair and Dean to enroll in SES 486, the student must have satisfied these conditions:

- a. be FULLY ACCEPTED into the PE program;
- b. pass SES 470 and SES 476 with a C or better; and

Physical Education Full Acceptance and Florida Teacher Certification

1. At the time of admission to Barry, all declared Physical Education majors will be “initially accepted” into the major.
2. “Interim Acceptance” follows when students satisfy the published criteria listed in the SES Acceptance Progression Chart depicted at the beginning of the SES section in this catalog
3. Once “fully accepted,” students in each option may enroll in the methods course sequence (SES 470 and SES 476) and must complete these classes with a grade of C or better.
4. Students fully accepted into the PE program would complete 15 credit hours as listed below:

SES 486 Practicum in Elementary Physical Education (3-6)

SES 486 Practicum in Secondary Physical Education (3-6)

AND

3-9 credits of additional SES electives must be completed from among the following courses, as approved by one’s academic advisor, in order to complete 15 credits total in this category.

SES 170 Introduction to Wellness (3)

SES 310 Personal Health and Disease Prevention (3)

SES 325 Officiating Team and Individual Sports (2)

*SES 328 Theory of Coaching (3)

SES 330 Nutrition for Physical Performance (3)

SES 431 Media Relations in Sport (3)

SES 479 Directed Research in Physical Education (3)

SES 485 Intro. to Law in Sport and Exercise Sciences (3)

*SES 486 Practicum in Coaching (3)

- * [Note: these courses also satisfy requirements for a certificate/endorsement in Coaching subject to application and approval from the Florida DOE].

A graduate of the PE option would be qualified to teach in Florida K-12 with a non-renewable 3-year temporary teaching certificate if all of the following conditions are satisfied:

1. Achieve a cumulative GPA of 2.5 at the time of graduation
2. After graduating, complete the certification application process with the Florida DOE.
3. Submit to a fingerprint check from the Florida Department of Law Enforcement.
4. Obtain employment in a school that has a Florida approved system for documenting the demonstration of required professional education competence.
5. Qualify based on meeting the subject area specialization requirements through completed coursework in the major.

In order to apply for a 5-year Professional Teaching Certificate upon expiration of the temporary teaching certificate, the following must first occur:

- a. Meet general knowledge requirements within first year; and

- b. Successfully complete a professional preparation alternative certification and education competency program, outlined in paragraph (7)(a);

OR

- c. Complete professional preparation courses as specified in State Board Rule, successfully complete a professional education competence demonstration program pursuant to paragraph (7)(b), and achieve a passing score on the professional education competency examination required by State Board Rule.

“7(a) The Department of Education shall develop and each school district must provide a cohesive competency-based professional preparation alternative certification program by which members of a school district’s instructional staff may satisfy the mastery of professional preparation and education competence requirements specified in this subsection and rules of the State Board of Education.”

“7(b) Each school district must and a state supported public school or a private school may develop and maintain a system by which members of the instructional staff may demonstrate mastery of professional education competence as required by law. Each program must be based on classroom application and instructional performance and must include a performance evaluation plan for documenting the demonstration of required professional education competence.”

DEGREE REQUIREMENTS: PE

Distribution Requirements and Co-requisites 47
(Courses specifically required are listed below each subject area with a double asterisk (**)) and must be completed with a grade of C or better).

THEOLOGY AND PHILOSOPHY 9

WRITTEN AND ORAL COMMUNICATION 9

SCIENCE AND MATHEMATICS 11

** BIO 230 Human Anatomy and Laboratory (4)
** MAT 152 Elementary Probability & Statistics (3)
** SES 360 Essentials of Exercise Physiology and Lab (4)
(also required in SES core)

SOCIAL AND BEHAVIORAL SCIENCES 9

** PSY 281 Introduction to Psychology (3)

HUMANITIES AND FINE ARTS 9

SES Core Requirements: 20

(See listing. PE majors take SES 112 and Lab, SES 360 required @ 4 hrs. but counted in Distribution)

Physical Education Major Requirements 36

ISR	As recommended by advisor	2
CS	180 Introduction to Computers	3
EDU	151 Introduction to Education	3
EDU	218 Educational Psychology	3
TSL	400 ESOL Issues and Strategies	3
SES	220 Care and Prevention of Athletic Injuries & Lab	4
SES	320 Kinesiology & Laboratory	4
SES	326 Principles of Motor Learning	3
SES	350 Tests & Measurement in HPER and Sport	3
SES	470 Methods & Practice of Teaching Elementary Physical Education	4
SES	476 Methods & Practice of Teaching Secondary Physical Education	4

Additional Major Requirements 15

SES 486 Practicum in Teaching Elementary PE (3-6)
SES 486 Practicum in Teaching Secondary PE (3-6)
AND

3-9 credits of additional SES electives, as approved by one's academic advisor, in order to complete 15 credits total in the "Additional Major Requirements" category:

Required SES Electives (3 hrs. minimum) 3

Recommended Courses:

SES	310 Personal Health and Disease Prevention (3)
SES	325 Officiating Team and Individual Sports (2)
*SES	328 Theory of Coaching (3)
SES	330 Nutrition for Physical Performance (3)
SES	431 Media Relations in Sport (3)
SES	479 Directed Research in Physical Education (3)

SES 485 Intro. to Law in SES (3)
*SES 486 Practicum in Coaching (3)

* **NOTE: These courses also satisfy the requirements for a Florida Coaching Certificate / Endorsement (from the above list of electives)**

DEGREE TOTAL: PE-OPTION PHYSICAL EDUCATION (B.S.) 121

Coaching Certificate/Endorsement

The Department of Sport and Exercise Sciences offers coursework that leads to the State of Florida Department of Education (FL-DOE) endorsement in Coaching.

Requirements: The study of the effects and dangers of drug use including performance enhancing drugs, and a valid certificate in CPR issued by the American Red Cross or the American Heart Association, is now required. The following courses are offered to all majors who also desire to coach in a public school system. These courses satisfy FL-DOE requirements towards an Endorsement in Coaching.

SES	220 Care and Prevention of Athletic Injuries & Lab	4
SES	328 Theory of Coaching	3
SES	486 Practicum in Coaching	3

COACHING ENDORSEMENT TOTAL 10

In addition, SES 212, 320, 325, 330, 335, 360, and 485 are strongly recommended electives for those students interested in pursuing coaching careers.

SPORT MANAGEMENT (B.S.)

Darlene A. Kluka, Ph. D., D. Phil., Coordinator

The Bachelor of Science in Sport Management (SM) prepares students for positions within the professional, collegiate, corporate, commercial, governmental, or recreational sport industry, as well as graduate study. The Sport Management program requires a total of 120 semester hours, including 33 credit hours specific to Sport Management and an additional 22 hours in the SES Core. A 21 credit hour minor in Business is also included. **A minimum grade of C is required in all major, minor, SES core, and co-requisite courses.**

Optional specializations are available in **Sport Management-Diving Industry** and in **Sport Management-Golf Industry**. Acceptance to these specializations requires satisfying various competencies and standards as stipulated within the catalog description for these programs, which follows the Sport Management major.

SES 499 (Internship) meets the integrative experience requirement for graduation.

Requirements for Full Acceptance to the Bachelor of Science Sport Management degree program:

Students who have satisfied all SES Interim Acceptance requirements should apply for Full acceptance to the Major when all criteria have been met. The student is eligible for full acceptance to the Sport Management major when the following requirements have been completed:

1. The student has achieved junior status (completed at least 60 hours applicable to the degree) and has completed 50% of distribution requirements OR has fulfilled all SES Interim Acceptance requirements.
2. The student has declared a major in Sport Management.
3. The student has both a 2.0 CUM GPA and a 2.0 average GPA in all SES major and business minor courses attempted.
4. The student has the recommendation of his/her advisor and the Coordinator of the Sport Management Program, as well as the SES Faculty Review Panel.

DEGREE REQUIREMENTS

Distribution Requirements and Co-requisites 47

The student majoring in Sport Management must exceed the University's distribution requirement of 45 hours. The Science and Mathematics area includes 11. This brings the total Distribution credit hours required for Sport Management majors to 47. **(Courses specifically required are listed below each subject area with a double asterisk (**)) and must be completed with a grade of C or better).**

THEOLOGY AND PHILOSOPHY 9

PHI 170, Contemporary Moral Problems, is strongly recommended.

WRITTEN AND ORAL COMMUNICATION 9

SCIENCE AND MATHEMATICS 11

** BIO 220 Human Anatomy and Laboratory (4)

** MAT 152 Elementary Probability & Statistics (3)

** SES 360 Essentials in Exercise Physiology and Lab (4)

(also required in SES Core)

SOCIAL AND BEHAVIORAL SCIENCES 9

** ECO 201 Introductory Macroeconomics (3)
(also required for minor in Business)

** PSY 281 Introduction to Psychology (3)

HUMANITIES AND FINE ARTS 9

SES Core Requirements 17

(See listing. SES 360 required @ 4 hrs but counted in Distribution. SES 465 not required.)

Sport Management Major Requirements 33

Sport Management Core (21 hrs):

CS	180	Intro. to Computers	3
SES	250	Sport and Recreational Management	3
SES	485	Intro. to Law in SES	3
SES	499	Internship in Sport Mgmt. AND/OR SM-Diving Industry OR SM-Golf Industry	12

Additional Sport Management Requirements (12 hrs.)

SES	260	Leisure Planning and Programming	3
SES	380	Facility Design and Event Management	3
SES	440	Sport Marketing, Promotions, and Fund Raising	3
SES	444	Financial Applications to Sport	3

Minor in Business 18

ACC	201	Financial Accounting	3
ECO	201	Intro. Macroeconomics (3 hrs. counted in Distribution)	3
MIS	215	Intro. to Management Systems	3
MGT	305	Organizational Behavior & Management	3
MGT	352	Human Resource Management	3
MKT	306	Marketing Concepts and Applications	3
MKT	385	Consumer Behavior (Prerequisite - SES 440)	3

Electives (5 hours minimum) 5

Recommended Courses:

SES	431	Media Relations in Sport (3)
COM	200	Introduction to Mass Media (3)
COM	390	Principles of Public Relations (3)
ENG	417	Advertising Copywriting (3)
ENG	418	Publication Production and Layout (3)

DEGREE TOTAL:

SPORT MANAGEMENT (B.S.) 120

Terminal Objectives

Graduates from the SM program will be able to:

1. demonstrate content knowledge in the field of Sport Management
2. identify and explain the internal and external factors that influence and shape sport in society
3. explain what constitutes sport management and what constitutes a sport organization.
4. Apply the concepts of planning, organizing, leading and controlling organizational goals to sport organizations
5. create and professionally present a sport business plan, a strategic plan, and a policy plan
6. comprehend how ethical behavior influences financial, marketing and managerial decision making
7. apply fundamental marketing concepts to the sport industry, create marketing plans, evaluate market segments and predict consumer behavior

8. develop financial strategies and evaluate budgets and sources of revenues and expenses relevant to sport organizations
9. explain and judge fundamental legal concepts relevant to tort, contract and constitutional law, and how they apply to the sport management field
10. use accepted techniques of discovery and critical thinking to solve problems independently, and to evaluate opinions and outcomes within and outside the sport management area
11. provide leadership skills necessary to succeed in the field of sport management
12. understand and use qualitative and quantitative analysis through formal and informal assessment strategies
13. effectively produce, interpret, analyze and present written text, oral messages and multimedia presentations used in sport management related settings

Minor in Sport Management

The minor in Sport Management is available to complement professional majors in other disciplines such as marketing, management, fitness, health, wellness, public relations, journalism, psychology and communications. It is designed to prepare students for opportunities in the sport-related fields including amateur, professional, and collegiate sport administration, as well as entrepreneurial businesses focusing on health, fitness, recreation, sport and sport products. A student may earn a minor in Sport Management by completing the following:

Required Courses:	15
SES 250 Sport & Recreation Management	3
SES 440 Sport Marketing, Promos/Fundraising	3
SES 480 Contemporary Issues & Ethics in Sport	3
SES 485 Intro. to Law in SES	3
SES 486 Practicum in Sport Management	3
Electives: (6 hours minimum)	6
Recommended Courses:	
SES 260 Leisure Planning and Programming (3)	
SES 380 Facility Design and Event Management (3)	
SES 431 Media Relations in Sport (3)	
SES 444 Financial Applications to Sport (3)	
SES 465 Administration of Programs and Facilities (3)	
TOTAL: SPORT MANAGEMENT MINOR	21

SPORT MANAGEMENT/DIVING INDUSTRY (B.S.)

Sharon Kegeles, M.S., Program Director

The B.S. degree in Sport Management (SM) includes an optional specialization in Diving Industry. This area of emphasis is designed to prepare the student for a career in the instructional and business segments of the diving industry and offers the opportunity to attain SCUBA Instructor certification. The SM Diving Industry program consists of a total of 132 semester hours with a major in Sport Management totaling 45 credit hours, 26 hours of which are specific to the Diving Industry. An additional 22 hours of SES Core courses must be satisfied. A 21 credit hour minor in Business, is also included as part of the Diving Industry program. All requirements for the Sport Management major apply. **The minimum grade of C in all major, minor, SES Core, and co-requisite coursework is also required for the Diving Industry track. Prior to attempting any dive under supervision, students will be asked to sign an agreement verifying that various technical and safety standards have been met.**

Criteria for Sport Management/Diving Industry (SMDI) Acceptance

Students electing this specialization, as well as those pursuing a minor in Diving Education, must satisfy the following criteria prior to acceptance. **NOTE: For student and group safety, **starred items must be completed before the end of the first semester of enrollment. In addition, the faculty member reserves the right to restrict a student from participating in a dive or related diving activity in order to ensure the safety of everyone who might be placed at risk.**

For Interim Acceptance

- **1. Documentation of current immunizations and health screenings, including, but not limited to Tetanus, Hepatitis A and B, Tuberculosis, and HIV. (Some vaccines are available through the University's Health Services at discounted rates.)
- **2. Medical examination results for certification of physical fitness for rigorous physical activity, including but not limited to chest x-ray, lung function, cardiovascular fitness, complete blood and urine screening and blood toxicology reports. Results may be shared with international diving medical experts at Divers Alert Network to help determine safety clearance for diving at all depths required within the SMDI curriculum.

- **3. Verification of current medical insurance to cover local medical treatment for routine health services and/or emergencies including hyperbaric medical treatment and remote air ambulance coverage. All policies must be current throughout the duration of the SMDI program to protect the health of the student.
- **4. Agreement to complete, prior to each in-water activity, a "Hold Harmless" statement that acknowledges proper individual preparation for diving including proper rest, hydration, nutrition and including attesting to being alcohol, nicotine and substance-free.
- **5. Agreement to subject to random urine drug testing during all semesters of in-water activity and/or coursework as is the professional standard in many areas of the diving industry.
- **6. Agreement to weekend availability of no less than one Saturday or Sunday per month during the academic year for open water activities related to coursework. Student will be notified in advance of particular course registration.
- **7. Agreement to summer availability for one academic session in order to complete an intensive international dive activity experience.
- **8. Agreement to complete and document no fewer than 10 open-water dives per calendar year (excluding dives associated with coursework).
- **9. Agreement to provide documentation of annual professional service for any personally-owned mechanical or electronic diving equipment for continued use throughout the duration of the SMD program.
- *10. Successful completion of the Cooper 12-minute Swim at a "Good" or higher category for aquatic fitness. Testing to begin the first semester of program involvement.
- **11. ISR 155 or equivalent entry-level diving certification from a recognized training/certifying agency.
- 12. ISR 255 or equivalent intermediate diving certification from a recognized training/certifying agency.

For Full Acceptance

- 13. SES 211 or current Lifeguard Training Certification equivalent to that issued in SES 211.
- 14. SES 212 or current First Aid, CPR/AED for Professional Rescuers, Blood Borne Pathogen, Oxygen Administration certifications equivalent to those issued in SES 212.
- 15. Documentation of no fewer than 30 SCUBA dives in a variety of environments and conditions.

- 16. Satisfactory completion of a proficiency examination including, but not limited to, a written examination on basic diving theory, as well as a practical exam on diving skill performance in confined and open water.

Terminal Objectives for Graduates of Sport Management – Diving Industry Program

For successful entry into the international recreational diving industry and related fields, graduates must:

1. Show a solid foundation of knowledge of the diverse career opportunities by verbalizing a functional understanding of the specific technical skills required for those areas.
2. Have a functional command of the physics involved in compressed gas and breath-hold diving and the resulting physiological and psychological effects on the human body from juvenile to geriatric.
3. Utilize that knowledge base for appropriate safe planning of diving operations within a multitude of aquatic environments using the current technical support equipment within the industry.
4. Demonstrate a high degree of personal watermanship ability topside and underwater, including but not limited to swimming; breath-hold diving; rescue techniques; SCUBA skills and seamanship.
5. Hold current certifications as a lifeguard and as a qualified emergency responder to maintain life-support in remote locations until more qualified medical personnel arrive.
6. Manage all aquatic-related emergencies whether local or remote in location and provide total appropriate care for the situation, including notification of all professional agencies with required documentation.
7. Demonstrate the ability to work with and take full professional responsibility for diverse populations who present with specific needs whether cognitive or motor in nature and manage the risk in a variety of aquatic environments.
8. Attain professional diving leadership certification with an international training organization, be current with all legal and ethical issues and be governed by all professional standards as written.
9. Be proficient in dive operations planning, execution and management for various underwater work within international tropical environments whether from land or a vessel.
10. Have a functional understanding of the international business aspects and current trends of the global industry including: marketing, promotion, sport tourism including cultural diversity in human resource management.

11. Perform as an instructional assistant to a professional SCUBA instructor in maintaining a safe and enjoyable environment for new divers to enter into the recreational diving market as educated consumers.
12. Demonstrate appropriate professional ethics in the preservation and conservation of the marine environment, and educate others to support these efforts.

DEGREE REQUIREMENTS

Distribution Requirements and Co-requisites 47
 (Courses specifically required are listed below each subject area with a double asterisk (**)) and must be completed with a grade of C or better).

THEOLOGY AND PHILOSOPHY 9

WRITTEN AND ORAL COMMUNICATION 9

SCIENCE AND MATHEMATICS 11

- ** BIO 220 Human Anatomy and Laboratory (4)
- ** MAT 152 Elementary Probability & Statistics (3)
- ** SES 360 Essentials in Exercise Physiology and Lab (4)
 (also required in SES Core)

SOCIAL AND BEHAVIORAL SCIENCES 9

- ** ECO 201 Introductory Macroeconomics (3)
 (also required for minor in Business)
- ** PSY 281 Introduction to Psychology (3)
- ** SOC 201 Introduction to Sociology (3)

HUMANITIES AND FINE ARTS 9

(PHO 203 Basic Photography, is required for those electing to take SES 308.)

SES Core Requirements 18
 (See listing. SES 360 required @ 4 cr. hrs. but counted in distribution. SES 465 not required.)

Sport Management/Diving Industry Requirements: 47

Sport Management Major Core (21 hrs)
 (See listing under Sport Management)

Diving Industry Specialization Requirements (26 hrs)

- SES 110 Intro to Diving Sciences, Tech & Mgmt 2
- SES 226 Seamanship and Lab 3
- SES 230 Recreational Diving Theory 3
- SES 240 Dive Accident Management & Rescue and Lab 3
- SES 351 Diving Leadership & Practicum 3
- SES 362 Diving Business Management, Retailing 3
- SES 365 Hyperbaric Physiology & Decompression Theory 3
- SES 421 Methods of Instruction in SCUBA Diving & Lab 3

Summer Intensive Program:

- SES 311 Tropical Diving Environments 3
- SES — Diving Industry track electives TBA

Minor in Business 18

- ACC 201 Financial Accounting 3
- ECO 201 Intro. Macroeconomics (3 hrs. counted in Distribution) 3
- MIS 215 Intro to Information Systems 3
- MGT 305 Organizational Behavior & Management 3
- MKT 306 Marketing Concepts & Applications 3
- MGT 352 Human Resource Management 3
- MKT 385 Consumer Behavior 3

Other Electives: (3 hours minimum) 3

Recommended Courses:

- SES 260 Leisure Planning and Programming (3)
- SES 308 Underwater Photography (3)
- SES 380 Facility Design & Event Mgmt. (3)
- SES 440 Sport Marketing, Promotions, and Fund Raising
- SES 444 Financial Applications to Sport (3)

DEGREE TOTAL: SPORT MANAGEMENT-DIVING INDUSTRY (B.S.) 132

Minor in Diving Education

The Minor in Diving Education is designed specifically to service majors in other areas outside of Sport Management (e.g., Biological Sciences, International Business, Photography, Physical Education, Journalism, Broadcast Communications, Criminology, Sport Management) who desire in-depth theoretical knowledge, intensive practical skill application and risk management awareness in the use of SCUBA equipment for work and recreation. Students electing this minor must satisfy all SM/Diving Industry criteria for acceptance as stated at the beginning of the SMDI section.

Required Courses: 22

- SES 110 Intro to Diving Sciences, Tech & Mgmt 2
- SES 211 Lifeguarding 2
- SES 212 Emergency Response 3
- SES 226 Seamanship and Lab 3
- SES 230 Recreational Diving Theory 3
- SES 240 Dive Accident Management & Rescue and Lab 3
- SES 311 Tropical Diving Environments 3
- SES 351 Diving Leadership & Practicum 3

Recommended Electives: (3 hours required) 3

- SES 308 Underwater Photography (3)
- SES 362 Diving Bus Mgmt, Retailing & Practicum (3)
- SES 365 Hyperbaric Phys & Decompression Theory (3)
- ISR xxx Diving Courses

TOTAL: DIVING EDUCATION MINOR 25

SPORT MANAGEMENT/GOLF INDUSTRY (B.S.)

Hyun-Duck Kim, Ph.D., Program Facilitator

The B.S. degree in Sport Management (SM) includes an optional specialization in the Golf Industry. This area of emphasis is designed to prepare the young professional in sport management for instructional and managerial (entrepreneurial) careers in golf operations. The program provides the opportunity for the student to acquire the knowledge and skills necessary for success in golf facilities and operational management through classroom studies, player development, and varied field experiences in the South Florida area. The SM Golf Industry program consists of a total of 141 semester hours with a major in Sport Management totaling 58 credit hours, 22 of which are specific to the Golf Industry. An additional 22 hours of SES Core courses must be satisfied. A 21 credit hour minor in Business is also included as part of the Golf Industry Management program. All requirements for the Sport Management major apply. **A minimum grade of C is required in all major, minor, SES core, and co-requisite coursework.**

Criteria for Sport Management/Golf Industry (SMGI) Acceptance

Students electing this specialization must satisfy the following criteria prior to full acceptance.

1. The student has achieved junior status (completed at least 60 hours applicable to the degree) and has completed 50% of distribution requirements OR has fulfilled all SES Interim Acceptance requirements.
2. The student has declared a major in Sport Management Golf Industry.
3. The student has both a 2.5 CUM GPA and a 2.5 average GPA in all SES and major courses attempted.
4. The student has the recommendation of his/her advisor, the Facilitator of the Golf Industry Program, the Coordinator of the Sport Management Program, and the approval of the SES Faculty Review Panel

DEGREE REQUIREMENTS

Distribution Requirements and Co-requisites 47

The student majoring in SM Golf Industry must exceed the University's distribution requirement of 45 hours. The Science and Mathematics area includes 11. This brings the total Distribution credit hours required for Sport Management majors to 47. **(Courses specifically required are listed below each subject area**

with a double asterisk () and must be completed with a grade of C or better).**

THEOLOGY AND PHILOSOPHY 9

WRITTEN AND ORAL COMMUNICATION 9

SCIENCE AND MATHEMATICS 11

**BIO 220 Human Anatomy and Lab (4)

**MAT 152 Elementary Probability & Statistics (3)

**SES 360 Essentials in Exercise Physiology & Lab (4)
(also required in SES Core)

SOCIAL AND BEHAVIORAL SCIENCES 9

**ECO 201 Introductory Macroeconomics (3)
(also required for minor in Business)

**PSY 281 Introduction to Psychology (3)

HUMANITIES AND FINE ARTS 9

SES Core Requirements 17

(See listing. SES 112. SES 360 required @4 hrs but counted in Distribution. SES 465 not required.)

Sport Management/Golf Industry Requirements: 44

Sport Management Major Core (21 hrs.)

(See listing under Sport Management)

Additional Sport Management Requirements (3 hrs.)

SM-Golf Industry Requirements (20 hrs.)

SES 299 Special Topics in Golf I 2

SES 399 Special Topics in Golf II 2

SES 320 Kinesiology and Lab 4

SES 382 Turfgrass Management for the Golf Professional 2

SES 442 Golf Country Club Management 3

SES 472 Methods of Teaching Golf 3

SES 486 Practicum in Golf Industry I 2

SES 486 Practicum in Golf Industry II 2

Minor in Business 18

ACC 201 Financial Accounting 3

ECO 201 Intro. Macroeconomics
(3 hrs. counted in Distribution)

MIS 215 Intro to Information Systems 3

MGT 305 Organizational Behavior & Management 3

MKT 306 Marketing Concepts & Applications 3

MGT 352 Human Resource Management 3

MKT 385 Consumer Behavior 3

Electives (4 hours minimum) 4

DEGREE TOTAL: SPORT

MANAGEMENT-GOLF INDUSTRY (B.S.) 130

TERMINAL OBJECTIVES

Graduates from the SM – Golf Industry program will be able to:

1. demonstrate the ability to orally transmit ideas and information clearly with regard to the SM Golf Industry

2. identify and explain the internal and external factors that influence and shape golf as a part of society
3. explain what constitutes the golf industry and what constitutes a sport management thereof
4. Apply the concepts of planning, organizing, leading and controlling organizational goals to golf organizations
5. create and professionally present a golf industry business plan, a strategic plan, and a policy plan
6. comprehend how ethical behavior influences financial, marketing and managerial decision making in golf environments
7. apply fundamental marketing concepts to the golf industry, create marketing plans, evaluate market segments and predict consumer behavior
8. develop financial strategies and evaluate budgets and sources of revenues and expenses relevant to golf organizations
9. explain and judge fundamental legal concepts relevant to tort, contract and constitutional law, and how they apply to the golf industry
10. use accepted techniques of discovery and critical thinking to solve problems independently, and to evaluate opinions and outcomes within and outside the golf industry
11. provide leadership skills necessary to succeed in the golf industry
12. understand and use qualitative and quantitative analysis through formal and informal assessment strategies in the golf environment
13. effectively produce, interpret, analyze and present written text, oral messages and multimedia presentations used in golf industry-related settings

SPORT MANAGEMENT (5-YEAR B.S. TO M.S.)

Darlene A. Kluka, Ph. D., D. Phil., Coordinator

The seamless Bachelor of Science to Master of Science Degree in Sport Management is a 150 semester hour program available to qualified students, which can be completed in five years plus thesis or a summer internship (11 semesters). The program requires 120 undergraduate semester hours and 30 graduate semester hours. The student who successfully completes the program meets the requirements for both the Bachelor of Science and the Master of Science degree in Sport Management.

The student may select one of two tracks, thesis or internship. The thesis track is designed to prepare the student for doctoral study and/or positions in a

sport-related career. All thesis track students must be approved for thesis by the sport management coordinator. The internship track includes a graduate level applied experience working in an area of particular interest, such as facility management, marketing and promotions, or management within a sport or recreational organization.

Admission to the 5-year B.S. to M.S. Sport Management Program

The undergraduate student intending to apply to the graduate program should meet with the Sport Management Coordinator before the end of the junior year, with a decision made no later than the end of the junior year, and have two semesters remaining in their BS degree program available for graduate courses. Before beginning graduate level coursework in the B.S. to M.S. Sport Management program, the undergraduate student must first be fully accepted in the undergraduate Sport Management program by meeting the established full acceptance requirements. In addition, the student must have met the following additional requirements.

1. Major in the B.S. to M.S. Sport Management program has been declared.
2. Student has achieved junior status or completed at least 60 hours applicable to the degree.
3. Student has completed 50% of distribution requirements OR has fulfilled all SES Interim Acceptance requirements.
4. The student has both a 3.0 cumulative overall GPA, and 2.75 average in all SES and major courses attempted.
5. Approval from the Sport Management Program Coordinator, the SES faculty, the Chair of the Department of Sport and Exercise Sciences, and the Dean of the School of Human Performance and Leisure Sciences.

Graduation Requirements

1. Successful completion of the course and credit hour requirements.
2. Cumulative GPA of 3.0 or higher in graduate-level courses, no "D" or "F" grades, and no more than six credits with a grade of "C".
3. Successful completion of the internship and the internship project (internship track) or
4. Successful completion of the thesis (thesis track).

Five-Year B.S. to M.S. Option

The B.S. to M.S. option in Sport Management is available to qualified students who meet the criteria for selection to and continued enrollment in this pro-

gram. (See specific requirements for “full acceptance” to the B.S. to M.S. option and detailed program description later in this section). Further information is available from one’s academic advisor or the program coordinator. Along with other published requirements, the student must have a 3.0 cumulative Barry GPA and a 2.75 average GPA in all SES & major courses attempted, including courses for the Business minor.

DEGREE REQUIREMENTS, 5-YEAR B.S. TO M.S.

Distribution Requirements and Co-requisites 47

The student enrolled in the 5-year B.S. to M.S. degree program must exceed the University’s distribution requirement of 45 hours for a Bachelor of Science degree.

Courses specifically required are listed below each subject area. Those courses with a double asterisk (*) must be completed with a grade of C or better. Some courses require prerequisites. Prerequisite workshops are indicated in the Barry University Graduate Catalog, MBA course descriptions.**

THEOLOGY AND PHILOSOPHY 9

WRITTEN AND ORAL COMMUNICATION 9

SCIENCE AND MATHEMATICS 11

** BIO 220 Human Anatomy and Laboratory 3

** MAT 152 Elementary Probability & Statistics 3

** SES 360 Essentials in Exercise Physiology and Lab 4

SOCIAL AND BEHAVIORAL SCIENCES 9

** ECO 201 Introductory Macroeconomics 3

** PSY 281 Introduction to Psychology 3

HUMANITIES AND FINE ARTS 9

SES Core Requirements 18

(See listing. SES 360 required @ 4 hrs but counted in Distribution. SES 465 not required.)

Sport Management Major Requirements 33

Sport Management Core (21 hrs):

CS 180 Intro. to Computers 3

SES 250 Sport and Recreational Management 3

SES 585 The Law in SES 3*

SES 499 Internship in Sport Mgmt 12

* graduate numbered course, taken in second semester of junior year

Additional Sport Management Requirements (12 hrs.)

SES 260 Leisure Planning and Programming 3

SES 532 Facilities and Event Management 3*

SES 440 Sport Marketing, Promotions, and Fund Raising 3

SES 444 Financial Applications to Sport 3

Minor in Business 18

ACC 201 Financial Accounting 3

ECO 201 Intro. Macroeconomics (3 hrs. counted in Distribution)

MIS 215 Intro to Information Systems 3

MGT 305 Organizational Behavior & Management 3

MGT 352 Human Resource Management 3

MKT 306 Marketing Concepts and Applications 3

MKT 385 Consumer Behavior (Prerequisite - SES 440) 3

Electives (4 hours minimum) 4

Required Graduate Courses, Thesis Track 15

SES 616 Research Methods 3

SES 634 Governance and Ad. of Amateur Sport 3

SES 686 Advanced Practicum 3

SES 689 Thesis 6

OR

Required Graduate Courses, Internship Track 12

SES 616 Research Methods 3

SES 634 Governance and Ad. of Amateur Sport 3

SES 679 Internship/Project 6

Sport Management Graduate Course Electives 15-18

SES 530 Managing the Sport Enterprise (3)

SES 533 Sport Marketing Management (3)

SES 544 Financial Applications to Sport (3)

SES 621 Ethics and Social Issues in Sport (3)

SES 652 Labor Relations in Sport (3)

SES 663 Risk Management (3)

SES 531 Media Relations and Sport (3)

SES 532 Facilities and Event Planning (3)

SES 535 Managing Professional Sport (3)

SES 537 Sport Psychology (3)

SES 618 Fitness and Wellness Promotion (3)

SES 701 Special Topics (3)

MBA 601 Human Resource Management (3)

MBA 605 Entrepreneurial Management (3)

MBA 660 Managerial Accounting (3) – MBA prerequisite

MBA 681 Economics for Strategic Decisions (3)

DEGREE TOTAL:

SPORT MANAGEMENT (B.S. to M.S.) 150

Course Descriptions —

Sport and Exercise Sciences Prefix: SES

110 Introduction to Diving Science, Technology and Management (2)

Provides an overview of recreational, scientific, public safety, commercial, military diving, and career opportunities within each area.

112, 112L CPR/AED for the Professional Rescuer (2)

American Red Cross certification examinations: CPR for the Professional Rescuer including AED for adult and child, Blood Borne Pathogens Training and Oxygen Administration. Lecture and lab must be taken concurrently.

150 Introduction to Outdoor Pursuits (3)

This course serves as a basic introduction to the field of leisure and recreation. It includes current principles, theories, and practical applications relevant to contemporary outdoor recreation and leisure pursuits. The course includes principles, current theories and practical applications for the leisure service provider.

170 Introduction to Wellness (3)

An introductory course open to all students interested in fitness and wellness and how it relates to quality of life. Students are provided with a basic knowledge of diet, exercise, stress management, health, and other areas of total wellness and their impact on maintaining healthy lifestyles. Opportunities for computer analysis and hands-on experience will be provided. (SES 270 is designed for majors in SES.)

181 A. T. Pre-clinical Skills I (1)

Pre-clinical practicum for athletic training majors. Introduction to basic clinical skills used in the professional activities of the athletic trainer. Basic fieldwork in the athletic training facility is included. SES 181 A1 01 and SES 281 A1 01 are both required as part of the criteria for clinical program selection.

199 Special Topics (1-3)

Topics may vary each semester as determined by the SES faculty, based on subjects of current interest. Offered no more than twice for the same topic.

201 Dance and Aerobic Activities (2)

An introductory course in rhythmic activities, folk and square dancing, and aerobic exercise activities for the elementary and middle schools.

202 Elementary Games (Including Track and Field) (2)

Indoor and Outdoor games and track and field activities for the elementary and middle schools.

203 Gymnastics and Tumbling (2)

Practice of basic gymnastics and tumbling routines; scientific principles involved in teaching gymnastics and tumbling analyses of skills. Prerequisite: Beginning Gymnastics.

210 Foundations of Sport and Exercise Sciences (3)

Historical foundations of physical education, sport, and exercise. Introduction to the fields of Exercise Science, Physical Education, Sport Management, Leisure and Recreation Management and Athletic Training. Participation in a variety of sport experiences. A focus of the class is to examine the common elements that unite the fields of Sport and Exercise Sciences.

211 Lifeguard Training (2)

Personal safety, self-rescue, and rescue of others in, on and around the water. Provides minimum skills

necessary for qualification as a non-surf lifeguard. American Red Cross certification examination: Lifeguard Training. Prerequisite: SES 112 or 212, or current certification in First Aid, CPR/AED prior to course completion.

212, 212L Emergency Response and Lab (3)

Course content and practical experiences prepare the student to make appropriate decisions about the care needed in case of emergency. Provides opportunity to acquire skills necessary to act as a crucial link in the emergency medical services (EMS) system. American Red Cross certification examinations: CPR for the Professional Rescuer including AED for adult and child, Blood Borne Pathogens Training and Oxygen Administration. Lecture and Lab must be taken concurrently.

214 Methods of Instruction in Swimming and Water Safety (3)

Methods of teaching swimming and water safety; American Red Cross Water Safety Instructor certification course.

220 Care and Prevention of Athletic Injuries (3)

This course is designed to introduce the student to the study of injuries as well as the conditions and illnesses of the physically active. The student will examine the anatomy and physiology associated with injury as well as the etiologic factors related to injury. The student will also be introduced to the concepts related to the field of athletic training as a profession and will address the view of other professionals involved with injury in the athletic arena. The course is intended to provide the preliminary information needed to advance the field of athletic training and establish a foundation of knowledge towards challenging the BOC certification examination. Prerequisite: BIO 220/230.

220L Care and Prevention of Athletic Injuries Lab (1)

This laboratory course applies the cognitive and affective components of the SES 220 lecture in the practice and proficiency of the psychomotor skills associated with basic injury assessment and athletic injury assessment and athletic taping techniques. Two hours weekly. Prerequisite: Concurrent enrollment in SES 220.

225, 225L Assessment of Athletic Injuries and Lab (4)

Techniques of evaluation and emergency management for athletic injuries and illnesses. Required for transfer students with minimal previous collegiate clinical Athletic Training experience. Three hours lecture and 2 hours laboratory weekly. Laboratory to be taken concurrently with lecture. Prerequisite: SES 220, 220L and permission of the program coordinator. Laboratory fee required.

226 Seamanship and Lab (3)

Introduction to small boat operation for support of diving activities. Topics include basic boat operation, boat maintenance, boating safety, safety equipment requirements, rules of the road, marine navigation, marine radio operation, captain and crew responsibilities, requirements for U.S. Coast Guard licensing, and practical exercises.

230 Recreational Diving Theory (3)

Provides certified SCUBA divers with knowledge of diving theory. Examines physics, physiology of SCUBA diving, diver stress, stress management and prevention. Prerequisites: initial acceptance into SMDI Track, and SES 110.

240 Dive Accident Management & Rescue and Lab (3)

Trains divers and dive leaders in procedures and techniques for the emergency management of injuries encountered in diving and the aquatic environment. Examines primary, secondary, and illness assessment, field neurological tests, first aid for pressure related accidents with emphasis on decompression sickness and arterial gas embolism, use of oxygen and oxygen equipment, care of marine life injuries, accident-related diving equipment problems, diving accident analysis, statistical review of diving injuries and fatalities, and the role of divers and dive leaders in accident prevention. Includes laboratory exercises in dealing with watermanship and self-rescue techniques, panicked divers, missing divers, in-water artificial respiration, pressure-related accidents, and diving accident scenarios. Students successfully completing the course may be eligible for certification as Advanced Rescue Diver and DAN Oxygen Provider. Special course and certification fees apply. Prerequisite: SES 230.

250 Sport and Recreational Management (3)

An introduction to the fields of sport and recreational management; overview of theories of management and administration to sports and recreation.

259/359/459 Independent Study (3)

Original research of special topics pursued independently or in small groups. Available in Athletic Training (AT), Exercise Science (EX), SM-Diving Industry (DI), SM-Golf Industry (GI), Physical Education (PE), and Sport Management (SM). Prior approval of Department Chair and Dean required.

260 Leisure Planning & Programming (3)

Provides a basic understanding of the knowledge, skills, and values required for successful planning & programming of leisure services for all populations. Presents the steps necessary to establish, market, and manage the human and financial resources in leisure activities. Includes observations of recreational programs, including those in aging communities, tourism, etc.

262 Recreational Leadership (3)

This course is designed to introduce students to program and leadership skills used in leisure and recreational enterprises. Emphasis will be on leadership techniques, group dynamics, communication skills, facilitation styles, problem solving and decision making techniques. A study of group dynamics and the theories and processes of leadership will be explored.

270 Concepts of Fitness and Wellness (3)

This course is required for students majoring or minoring in one of the SES programs. Students will analyze the impact of diet, exercise, stress management, health, and other areas of total wellness on the quality of life. Students will examine their personal health risk, complete a personal fitness and nutritional assessment, as well as pursue an individual exercise prescription program. Hands-on experiences and exposure to the use of computer analysis in fitness assessment are included.

275 Professional Proficiency — Aquatic Activities (1)

Activities include: Canoeing, Lifeguard Training, Rowing, Sailing, SCUBA Diving, Swimming, Water Safety Instruction. Prerequisite: Coordinator's approval.

280 Professional Proficiency — Dance Activities (1)

Activities include: Ballroom Dance, Jazz Dance, Modern Dance, Social, Folk and Square Dance. Prerequisite: Coordinator's approval.

281 A.T. Pre-Clinical Skills II (1)

Pre-clinical practicum for athletic training majors. Introduction to basic clinical skills used in the professional activities of the athletic trainer. Basic fieldwork in the athletic training facility are included. SES 181 A1 01 and SES 281 A1 01 are both required as part of the criteria for clinical program selection. Prerequisite: prior to successful completion of or concurrent enrollment in SES 181.

285 Professional Proficiency — Individual & Dual Sports (1)

Activities include: Archery, Bowling, Fencing, Golf, Gymnastics and Tumbling, Handball, Judo, Strength Training, Wrestling. Prerequisite: Coordinator's approval.

290 Professional Proficiency — Racquet Sports (1)

Activities include: Badminton, Racquetball, Squash, Tennis. Prerequisite: Coordinator's approval.

292 Commercial Recreation (3)

This course is designed to introduce students to the fundamentals and principles of commercial recre-

ation, including the delivery of goods, services, facilities, entrepreneurship, and current trends in the field.

295 Professional Proficiency — Team & Field Sports (1)

Activities include: Basketball, Field Hockey, Football, Lacrosse, Rugby, Soccer, Softball, Speedball, Track and Field, Volleyball. Prerequisite: Coordinator's approval.

299 Special Topics in Golf I (2)

Topics may vary as determined by the SES faculty and designed to provide experiences in the golf industry.

300 Special Topics (3)

Designed to provide experiences in a contemporary topic, problem, and/or research area. Offered in Athletic Training (AT), Exercise Science (EX), Sport Management-Diving Industry (MD), Sport Management-Golf Industry (MG), Physical Education (PE), and Sport Management (SM). Specific topics will be offered no more than twice.

306 Research Diving (3)

Explores the application of diving in various scientific disciplines. Topics include oceanography, underwater archaeology, artificial reef programs, underwater surveying, mapping, documentation, and sampling and hydrology studies by divers in Florida. Includes field trips to selected research sites and opportunities to conduct underwater studies. Special course and certification fees apply. Prerequisite: ISR 255 or equivalent.

308 Underwater Photography (3)

Provides the student with working knowledge and basic skills in underwater photography. Topics include camera selection, camera operation, natural light and artificial light photography, composition, normal and wide-angle lens use, and visual presentation, as well as underwater video techniques. Special course and certification fees apply. Prerequisites: PHO 203/206, ISR 255, or equivalent and instructor approval.

310 Personal Health and Disease Prevention (3)

Epidemiology of disease determinants, including identification and intervention in disease processes. Major emphasis on nutrition, exercise, and health.

311 Tropical Diving Environments (3)

Examines selected environments commonly associated with recreational diving in Florida and the Tropics. Includes intensive field trip and theory reviewing site selection. Topics selected for individual diver projects chosen for integration and environment. Special course and certification fees apply. Prerequisites: ISR 255 or equivalent and instructor approval.

312 Advanced Assessment of Athletic Injuries & Lab (4)

314 SCUBA Equipment Repair & Maintenance (3)

An overview of SCUBA diving equipment design, manufacturing, function, maintenance, and repair, including disassembly, inspection, and assembly of selected SCUBA regulators, valves, buoyancy control devices and inflation mechanisms, cylinder inspection, principles of hydrostatic testing, regulator performance testing, principles of dive computer operation, field maintenance and repair of selected diving equipment, and operation of professional repair facilities. Special course and certification fees may apply.

316, 316L Therapeutic Modalities and Lab (4)

A study of sports therapy physical agents used in athletic training techniques such as cryotherapy, hydrotherapy, electrotherapy, and mechanical therapy. 3 hours lecture and 2 hours laboratory weekly. Laboratory to be taken concurrently with lecture. Prerequisites: SES 220, 220L. Honors option.

318, 318L Therapeutic Exercise and Lab (4)

A study of clinical sports therapy techniques used in the rehabilitation and reconditioning of athletic injuries. 3 hours lecture and 2 hours laboratory weekly. Prerequisites: SES 220, 220L. Honors option.

320 Kinesiology (3)

The study of anatomical and biomechanical principles of human performance and movement science. 3 hours lecture, 2 hours laboratory weekly. Laboratory to be taken concurrently with lecture. Prerequisite: BIO 220/230.

320L Kinesiology Lab (1)

The study and application of anatomical and biomechanical principles of human performance and movement science. Laboratory to be taken concurrently with lecture.

321 Advanced Upper Extremity Assessment of Athletic Injuries and Lab (4)

This course is designed to introduce the athletic training student to techniques in assessment and evaluating athletic related injuries in the upper extremity, head facial, ear, eye regions. The student will be introduced to the processes associated with evaluating structural, bio-mechanical, neural, and etiological factors related to athletic injury. Prerequisites SES 220/220L (as required by the program director)

322 Advanced Lower Extremity Assessments of Athletic Injuries and Lab (4)

This course is designed to introduce the athletic training student to techniques in assessment for evaluating athletic related injuries to the lumbar spine, hip, knee, and ankle region. The student will be introduced to the processes associated with evaluating structural, bio-mechanical, neural, and etiological factors related

to athletic injury. Prerequisites SES 220/220L (as required by the program director)

325 Officiating Team and Individual Sports (2)

A study of officiating techniques, rules and procedures in selected team and individual sports.

326 Principles of Motor Learning (3)

Introduces the student to psychomotor concepts and how these principles are applied to the learning of gross and fine motor skills in order to produce more efficient movement. Emphasis is placed on motor learning theories, research, and the learning environment.

328 Theory of Coaching (3)

Techniques and principles related to coaching and training athletes in various team and individual sports; use of sound instructional strategies, athletic management, and organizational techniques applied to coaching. This course partially fulfills the requirements for the Coaching endorsement. Must be taken concurrently with one section of SES 328L.

330 Nutrition for Physical Performance (3)

The study of nutrition, diet analysis, biochemical processes in energy metabolism, nutrition and health problems, and nutrition as it relates to physical performance.

335 Psycho-Social Aspects of Sport (3)

An analysis of the social and psychological dimensions of sport. Emphasis is placed on social and psychological theories and research related to physical activity, physical education, corporate fitness, and athletic programs. Prerequisites: PSY 281 or college-level course work in Psychology.

340 Adapted Physical Activity, Recreation and Sport (3)

An introductory course designed for pre-professionals to develop competencies necessary to deliver service in accordance with federal laws. Motor, sensory, and cognitive disabilities will be discussed. Emphasis is placed on individualized educational programming and adapting regular physical activity, recreation, and sport programs.

344 Teaching Health, Physical Education, and Dance in the Primary/Elementary School (3)

Examines the methods, content material, and organizational procedures for conducting primary/elementary school health and physical education programs; practice in teaching activities in primary/elementary school health and physical education programs. (Designed for classroom teachers not specializing in Physical Education.)

346 Wilderness Expeditionary Training (3)

This course involves travel to and within selected national parks or wilderness areas, offering an applied approach to preparing for and leading wilderness expeditions. The purpose of this course is to introduce students to the fundamentals of wilderness travel with an emphasis on preparation, safety, service and leadership. This course is designed to meet the needs of those interested in outdoor adventure activity programming.

350 Tests and Measurement in HPER and Sport (3)

Introduction to measurement and evaluation techniques used in school and non-school settings. Includes simplified statistics, test construction, skill evaluation, and measurement of physical fitness and physical performance. Prerequisite: MAT 152.

351 Diving Leadership Practicum and Lab (3)

Prepares students for industry opportunities as a dive master or dive guide and diving instructor. Includes dive planning, dive management and control, diver problem-solving, diver rescue (review), teaching confined water skills, teaching open water skills, tutoring entry level diving students, role of dive masters in confined water and open water training and non-training activities, diver buoyancy control, dive site survey, analysis, and mapping, and responsibilities and techniques of dive guides. Reviews selected topics from SES 230 and 240. Practical experience is acquired by serving as an instructor aide in ISR 155 and/or ISR 255 (confined-water and open-water sessions) as well as tutoring entry-level students. Additional open water training sessions will be scheduled. Students successfully completing this course may be eligible for certification as Dive Master. Special course and certification fees apply. Prerequisite: SES 240, SES 311.

360, 360L Essentials of Exercise Physiology and Lab (4)

This is an entry-level course in exercise physiology, which is the study of how the body (subcell, cell, tissue, organ, system) responds in function and structure to 1) acute exercise stress, and 2) chronic physical activity. Aspects of chemistry, biology, and physics are integrated to explain biological events and their sites of occurrence in the human body as they affect exercise and training. The course includes the energy systems, neuromuscular concepts as applied to sports, and functions of the cardiovascular and respiratory systems during rest, steady state and exhaustive physical activity. This course satisfies a general education "distribution" requirement in Science and is required for SMDI, SMGI, PE, and SM majors. 3 hours lecture and 2 hours lab weekly. Laboratory to be taken concurrently with lecture. Laboratory fee required. Prerequisite: BIO 220/230.

361, 361L Exercise Physiology and Lab (4)

Includes an in-depth survey of the neuromuscular, metabolic cardiorespiratory and hormonal responses to acute exercise and the physiological adaptations to chronic exercise. Topics include thermoregulation, ergogenic aids, body composition, sport training, growth and development, and aging. Required for athletic training and exercise science majors. 3 hours lecture and 2 hours laboratory weekly. Laboratory to be taken concurrently with lecture. Laboratory fee required. Prerequisites: BIO 240 and Full Acceptance.

362 Diving Business Management, Retailing (3)

Provides the information and strategies necessary to research, establish, and operate a diving-related business. Topics include recreational diving business opportunities, the diving consumer, the diving market and its evolution, typical retail business profiles, dive instruction, dive travel, and the interactions of various dive training/certifying agencies. Prerequisites: MGT 305, MKT 306.

365 Hyperbaric Physiology & Decompression Theory (3)

Provides in-depth study of decompression illness, arterial gas embolism, and therapeutic applications of hyperbaric chambers. Topics include decompression illness, arterial gas embolism, CNS and pulmonary oxygen toxicity, hyperbaric chambers and support systems, treatment protocol and tables, application of hyperbaric oxygen in treatment of non-diving related illness and injury, and hyperbaric chambers. Prerequisites: BIO 220/230, SES 351, SES 360 or 361.

370 Fitness Assessment and Exercise Prescription (3)

Application of exercise physiological concepts to exercise prescription and programming for individuals without disease or with controlled disease. Includes analysis of techniques used for health appraisal, risk stratification and fitness assessment, and evaluation of strategies used to promote physical activity. Prerequisites: SES 270 and SES 361. (May be taken concurrently).

370L Fitness Assessment and Exercise Prescription Lab (1)

This lab course is designed to provide students the opportunity to acquire the skills necessary to perform fitness assessment and exercise testing for cardio-respiratory fitness, body composition, and muscle flexibility, strength and endurance, and to demonstrate various exercises prescribed for muscle flexibility, strength and endurance as recommended by the American College of Sports Medicine. 2-hour laboratory weekly. Prerequisites: SES 270, and SES 360 or SES 361.

380 Facility Design and Event Management (3)

Includes knowledge of the various types of indoor and outdoor facilities, fiscal management, technological advances in equipment, planning of facilities, and event management.

381A A.T. Clinical Skills Level II Part 1 (2)

A course for athletic training majors designed to promote clinical skills proficiency in general medical conditions, upper and lower body patient exposures, medical terminology and athletic protective equipment. Formatted in five-three week rotations with surgical observation. Physician presentations in Family Practice and Optometry are included. Prerequisites: Clinical acceptance and SES 281.

381B A.T. Clinical Skills Level II Part 2 (2)

A course for athletic training majors designed to promote clinical skills proficiency in general medical conditions, upper and lower body patient exposures, and medical documentation. Formatted in five-three week rotations with surgical observation. Physician/dentist presentations in Pediatrics and Dentistry are included. Prerequisite: SES 381A.

382 Turfgrass Management for the Golf Professional (2)

An analysis of turfgrass and turfgrass management issues related to golf. Topics include the influences of climate, chemicals, topography, repeated use, golf course design, and related factors in the development and maintenance of golf course turf.

388 Sport Ecotourism (3)

This course involves travel to and within selected locations outside of the United States. Topics covered will include the history, philosophy, organization and management of the ecotourism industry. The selected destination will be examined in order to understand the various systems of the host country, including an overview of urban, private, regional, state and federal roles and guidelines in the provision of recreational opportunities. An introduction to nature resource-based tourism, adventure and commercial outdoor recreation opportunities, conservation values, and the impact of ecotourism will be explored.

390 Natural Resource Recreation Management (3)

This course investigates the natural, cultural, social and managerial systems that provide society with opportunities for nature-based recreation. It will focus on the administration of recreational lands by state and federal agencies. Principles and practices of recreation planning and the management of natural resources will be examined.

399 Special Topics in Golf II (2)

Topics may vary as determined by the SES faculty and designed to provide experiences in the golf industry.

402 Biological and Medical Aspects of Motor and Physical Disabilities (3)

Presents the sensory and motor aspects of developmental disabilities. Course content identifies and clarifies the differential developmental characteristics that exist among children with learning disorders, behavioral disabilities, neurological, orthopedic, genetic, drug and/or metabolic dysfunctions. This course partially fulfills the requirements for the endorsement in Adapted Physical Education.

404 Physical Education and Sport for Children with Mental Deficiencies (2)

Provides an understanding of the positive impact of physical activity on the psychological and social, as well as, the physical well being of persons with mental disabilities. Includes an introduction to commonly accepted methods of assessing and identifying persons with mental deficiencies with emphasis on developing physical skills. A continuum of activities from basic motor development through recreational and competitive sports will be explored. This course partially fulfills the requirements for the endorsement in Adapted Physical Education.

406 Physical Education and Sport for Children with Sensory Disabilities (2)

Provides an understanding of the positive role of physical activity in the social, emotional, and physical well being of persons with sensory deficiencies. Includes the selection of activities at all developmental levels as well as contraindication of activities based upon various medical conditions. This course partially fulfills the requirements for the endorsement in Adapted Physical Education.

408 Physical Education and Sport for Children with Motor Disabilities (2)

Provides an understanding of the value of physical activity for persons with motor disabilities, from social, emotional, and physiological aspects. Includes assessment techniques to aid in the selection of activities with emphasis on the contraindications for specific conditions. The range of activities will begin with basic motor development and continue through specific sports skills. This course partially fulfills the requirements for the endorsement in Adapted Physical Education.

411 Coaching Techniques for Disabled Athletes (2)

Provides an introduction to the various sports organizations specific to athletes with disabilities and an emphasis on coaching techniques aimed at those athletes who compete in competitions provided by each

of these groups. This course partially fulfills the requirements for the endorsement in Adapted Physical Education.

413 Physical Activity for the Profoundly Handicapped (2)

Provides a foundation in physical activity programs for students identified as profoundly handicapped. Includes an introduction to the various sub-groups making up this population as well as techniques for incorporating providers of physical activity into the program. Emphasis will be placed on using developmental activities in small group settings. This course partially fulfills the requirements for the endorsement in Adapted Physical Education.

417 Assessment in Physical Education for Exceptional Students (2)

Current assessment and evaluation techniques used to identify conditions which impede psychomotor functioning. Emphasis is placed on test administration, educational diagnosis, the I.E.P., instructional strategies, public law compliance, etc. This course partially fulfills the requirements for the endorsement in Adapted Physical Education.

419 Aquatics for Individuals with Disabilities (2)

Develops the skills necessary to provide appropriate water activities for students with disabilities. In addition to addressing water activities, emphasis will be placed on restrictive medical conditions and providing a safe water environment for all persons with disabilities. This course partially fulfills the requirements for the endorsement in Adapted Physical Education.

420 Biomechanics (3)

This course provides you the opportunity to study advanced techniques in the analysis of mechanical factors related to human movement. Specific areas of human movement include: sport, aquatics, ergonomics, rehabilitation, disability sport, exercise/fitness, and gait. Prerequisite: SES 320.

421 Methods of Instruction in SCUBA Diving and Lab (3)

Develops the student's ability to teach SCUBA diving in courses such as open water, advanced open water, rescue diver, dive master, and assistant instructor courses. Examines teaching theory and methods, oral communication, lesson preparation, teaching aids, confined and open water instruction planning, methods, and student evaluation, organizing and scheduling courses, skill problem solving, legal aspects of diving instruction, review of key academic material and skills, and presentations by participants. Students successfully completing this course are eligible to participate in SES 424 as necessary to complete the

requirements for certification as a SCUBA Instructor. Prerequisite: SES 351.

422 Principles of Sport Travel and Tourism (3)

The purpose of this course is to examine the elements and concept of sport and adventure travel and tourism. Topics will include the social science of tourism, and the geography, economics, psychology, history, and development of tourism and sustainable systems. The industry's positive and negative social, cultural, economic, and ecological impacts in destination communities throughout the world will be explored. The planning, development and management of sport tourism at local, regional, national and international levels will be analyzed.

424 Instructor Preparation in SCUBA Diving (2-6)

Students successfully completing this course are eligible for the "Instructor" certificate from the chosen SCUBA training/certifying agency. Includes structure, standards, procedures, training philosophies, knowledge, and skill levels expected of instructors, course offerings, and progressions. Course may be repeated for each individual agency (e.g. NAUI, PADI, YMCA) at 2 cr. hrs. per agency. Special course fees apply. Prerequisite: SES 421. Also available as Independent Study.

431 Media Relations in Sport (3)

Study of professional and collegiate sports and their relationship with the various media outlets. (Same as COM 431).

440 Sport Marketing, Promotions, and Fundraising (3)

An investigation of the principles, applications, and techniques of marketing, promotions, corporate sponsorships, and fundraising within the various sporting industries.

441 Cardiac Rehabilitation and Lab (4)

Pathophysiology of cardiopulmonary and metabolic diseases with further emphasis on the physiological and technical basis of clinical exercise tolerance tests and exercise prescription, and exercise leadership for the cardiopulmonary, diabetic, obese or elderly patient. 3 hours lecture weekly. Prerequisite: SES 361 or equivalent. Co-requisite: SES 441L.

442 Golf Country Club Management (3)

Provides the student with knowledge base for managing public, private, and resort golf course facilities including managing the golf pro shop, merchandising, running a tournament, understanding laws and governance, understanding food and beverage administration, managing personnel, and customer relations.

444 Financial Applications to Sport (3)

Applies principles of finance to budgeting, operations, and business decision-making in various sport and exercise-related settings (e.g., schools, colleges, pro teams, retail establishments, and corporations). Prerequisites: MAT 152, ACC 201, ECO 201.

446 Qualitative Analysis in Biomechanics (3)

The study of the fundamentals of qualitative analysis of human movement: application of mechanical concepts, use of observational techniques, and development of skills useful for teaching and enhancing human performance in a practical environment. Prerequisite: SES 320.

447 Biomechanics of Musculoskeletal Injuries (3)

The study of the physical laws and mechanical principles governing the force characteristics, mechanisms of injury, and healing rate of tissues in the human musculoskeletal system. Prerequisites: SES 420.

461, 461L Advanced Exercise Physiology and Lab (4)

Continuation of Exercise Physiology. Includes an in-depth survey of exercise biochemistry, cardiovascular function in exercise, biochemical and cardiovascular adaptations to exercise training, with emphasis on current research in exercise physiology. 3 hours lecture and 2 hours laboratory weekly. Laboratory to be taken concurrently with lecture. Laboratory fee required. Prerequisites: CHE 152, SES 361.

463 Applied Physiology of Resistance Training (3)

Includes critical evaluation of strength and conditioning concepts and the biomechanical and physiological analyses of various sport movements as they apply to strength and power exercises for sport training. Students are prepared to attempt the National Strength and Conditioning Association's certification exam. Prerequisites: SES 320 and SES 361. Can be taken concurrently with SES 320.

465 Administration of Programs and Facilities (3)

Study of desirable standards, policies, and practices in the organization, supervision, and administration of physical education, athletics, recreation, dance, athletic training, and sport programs. Prerequisite: Junior standing.

469 Directed Readings (3)

Directed library research and readings in Athletic Training (AT), Exercise Science (EX), Sport Management-Diving Industry (MD), and Sport Management-Golf Industry (GI) to prepare for certification examinations. In Physical Education this course will involve a reading specialist teaching strategies

for developing students' reading abilities in Physical Education content, with a focus on the instructional materials and methods for teaching vocabulary, comprehension, and text learning experiences. Prerequisite for AT, EX, and MD: Prior approval of Department Chair and Dean; for PE, "interim" acceptance.

470 Methods and Practice of Elementary Physical Education (4)

This course involves the study and practical application of instructional design and content for grades K-8 in a comprehensive and intensive format. It is designed to provide the elementary physical education major with the knowledge base, skills, methodology, curriculum development and techniques to teach a full range of developmental activities to school children in these grades. Instructional activities will involve skill analysis, peer teaching, video analysis, and demonstration of various teaching strategies for skills appropriate to grades K through 8. Instructional content and curriculum development will cover the entire range of skills, games, rhythms and dance, as well as tumbling, balance, and movement activities typically associated with physical education programs for this age group. Health-related subject matter appropriate for K-8 will also be addressed. An emphasis is placed on learning in all three domains: cognitive, affective, and psychomotor. Students also participate in twenty hours of field experiences and observation in elementary/middle schools. This is a required course for majors in elementary physical education (K-8). Prerequisites: EDU 151 and 218, SES 270 and Full Acceptance.

471 Methods and Practice of Teaching Developmental Activities II (K-8) (4)

Continuation of SES 470. This course is designed to integrate material learned in SES 470 with teaching methodology, curriculum development, and refinement of teaching skills. Students also participate in twenty hours of field experiences and observation in selected elementary/middle schools. This is a required course for majors in physical education (K-8). Prerequisites: SES 470 and Full Acceptance.

472 Methods of Teaching Golf (2)

Instruction in and techniques of teaching golf to clients at various golf facilities. Application, methods and practice in golf instruction and training with subjects of varying skill levels.

475 Methods and Practice of Teaching Secondary Physical Education (4)

This course involves the study and practical application of instructional design and content for grades 6-12 in a comprehensive and intensive format. It is designed to provide the secondary physical education major with the knowledge base, skills, methodology, and techniques to teach a full range of activities

to secondary students in these grades. Instructional content and curriculum development will cover three general areas: recreational team sports, individual lifetime sports, and personal fitness/wellness activities. Instructional activities will involve skill analysis, peer teaching, video analysis, and demonstration of various teaching strategies for skills appropriate to grades 6-12. Emphasis is placed on learning in all three domains: cognitive, affective and psychomotor. Students may also be assigned to assist with an ISR class within the department or other instructional setting. Students also participate in twenty hours of field experiences and observation in selected middle and secondary schools. This is a required course for majors in secondary physical education (6-12). Prerequisites: EDU 151 and 218, SES 270 and Full Acceptance.

476 Secondary School Physical Education Theory and Practice II (6-12) (4)

Continuation of SES 475. This course is designed to integrate skills learned in SES 475 with teaching methodology, curriculum development, and refinement of teaching skills. Students also participate in twenty hours of field experiences and observation in selected middle and secondary schools. This is a required course for majors in secondary physical education (6-12). Prerequisites: SES 475 and Full Acceptance.

479 Directed Research (3)

Advanced research experience in Athletic Training (AT), Exercise Science (EX), Management-Diving Industry (MD), Physical Education (PE), and Sport Management (SM) under the direct supervision of faculty. Prerequisite: Prior approval of Department Chair and Dean.

480 Contemporary Issues and Ethics in Sport (3)

The senior "capstone" course for all SES majors which integrates the knowledge and concepts gained from prior course work and field experiences with real life situations in sport. Examines the positive and negative consequences of the way sport is organized, managed, and reported in American society by drawing from current events and articles. Provides a philosophical overview of the values that sport personifies in today's society. Prerequisite: Senior status; at least one of the following is strongly recommended: PHI 120, 170, 353, THE 300, 353.

481A A. T. Clinical Skills Level III Part 1 (2)

A course for athletic training majors designed to promote clinical skills proficiency in general medical conditions, upper and lower body patient exposures, and Pharmacotherapeutics. Formatted in two seven-week rotations with team care assignment. Pharmacist, Nurse Practitioner and Physician's Assistant presenta-

tions are included. Prerequisite: SES 381B and Full Acceptance.

481B A. T. Clinical Skills Level III Part 2 (2)

A course for athletic training majors designed to promote clinical skills proficiency in general medical conditions, upper and lower body patient exposures, and human diseases. Formatted in two-seven week rotations with team care assignment. Physicians presentations in Podiatry and Internal Medicine are included. Prerequisite: SES 481A.

485 Introduction to Law in Sport and Exercise Sciences (3)

Law affecting participation, supervision, and administration of amateur, professional, and recreational sport and exercise.

486 Practicum (2, 3, or 6)

Advanced field experience in the application of learned principles from Coaching (CO), Athletic Training (AT), Exercise Science (EX), Management-Diving Industry (MD), Management-Golf Industry (MG), Physical Education (PE), and Sport Management (SM). Course may be repeated if field experience is varied. Prerequisites for all SES majors: Full Acceptance into the preferred SES major, as well as prior approval of Program Director and Department Chair; Exercise Science majors must also satisfy the specific requirements for Practicum approval listed under the major and must have passed SES 370 Fitness Assessment and Exercise Prescription or be taking it concurrently. Sport Management-Golf Industry majors must enroll in sections 01 and 02 at 2 credit hours each. PE-Option students must enroll in a minimum of 6 credits total and a maximum of 12 credits total.

487 Senior Seminar in _____ (2 or 3)

An integrative study of the knowledge, concepts, and professional and clinical skills gained from prior coursework and practical experiences in Athletic Training (AT), Exercise Science (EX), SM-Diving Industry (DI), SM-Golf Industry (GI), Physical Education (PE), and Sport Management (SM).

499 Internship (3, 6 or 12)

Intensive, senior-level supervised work experience in Athletic Training (AT), Exercise Science (EX), Leisure and Recreation Management (LRM), SM-Diving Industry (DI), SM-Golf Industry (GI), Physical Education-Student Teaching (PE), and Sport Management (SM). An evening seminar and/or written report of experiences may be included. In order to be permitted to represent Barry University in the public sector, students approved for off-campus internships must, in addition to satisfying stipulated academic requirements in the major, meet personal and profes-

sional standards established by national governing bodies. Students must be currently certified in CPR and First Aid. All internship assignments are local in order to provide appropriate faculty supervision. Rare exceptions may be made for offsite internships by the Dept. Chair and Dean for exceptional students who have demonstrated superior academic performance and the ability for self-motivation. Students must be able to provide personal transportation to all internship affiliations and absorb expenses related thereto. Athletic Training majors must have also completed 700 supervised clinical hours; Physical Education, Exercise Science, and Leisure and Recreation Management majors must satisfy the specific requirements for Internship approval listed under the major. A total of 12 cr. hrs. is required for all SES majors, except for the five-year EXS B.S. to M.S. option, which only requires 6 credits. Prerequisites: Full Acceptance into the PE-TEP or other designated SES major (excludes PE option), as well as prior approval of the Program Coordinator, Dept. Chair and Dean.

NON-DEGREE PROGRAM

INSTRUCTIONAL ACTIVITIES IN SPORT AND RECREATION

Catalina Franco, M. S., Coordinator

The courses in this program focus on general fitness, lifetime sport and recreational opportunities. Offering diversity in choice, the program provides instructional fitness and recreational experiences available to the entire University community. Courses are designed to promote physical and mental well-being through the development of a lifestyle that includes physical activity. The variety of activities and skill levels affords each student a choice to suit individual needs and desires. The student has the opportunity to develop competency in selected activities in order to maintain fitness for living, to provide a foundation for active use of leisure time, and to prepare for life-long recreational involvement.

All ISR courses may be repeated for credit in order to provide opportunity to improve upon skill, endurance, strength, and flexibility. ISR courses are two (2) semester hours of credit, unless otherwise stated, and are CR/NC option only; no letter grade is earned. Activities may carry a special course fee. All courses require a signed waiver of liability and medical history questionnaire/participation agreement. Courses involving strenuous physical activity may also require additional participation/liability releases.

Course Offerings — Prefix: ISR

LEVEL I COURSES are designated by the 100 number and are entry level courses.

LEVEL II COURSES are designated by the 200 number. Course material builds on entry skills developed by 100 courses. Prerequisite to enrollment is the appropriate 100 level course or permission of the instructor.

ISR 101/201 Aerobic Exercise

ISR 110/210 Archery

ISR 112/212A Badminton

ISR 113/213A Basketball

ISR 114/214 Board Sailing

ISR 115/215 Bowling

ISR 120/220 Canoeing

ISR 125/225 Fencing

ISR 130/230 Golf

ISR 135/235 Judo and Self-Defense

ISR 136/236 Kayaking (1)

ISR 140/240 Personal Fitness: Strength and Conditioning

ISR 142/242 Personal Fitness: Aqua Aerobics

ISR 145/245 Physical Fitness: Walking, Jogging, Running

ISR 147/247 Racquetball

ISR 148/248 Rowing

ISR 150/250 Sailing

ISR 152/252 Ice Skating (1)

ISR 153/253 In-Line Skating (1)

ISR 155/255 SCUBA Diving

ISR 157/257 Snorkeling and Marine Awareness (1)

ISR 158/258 Softball

ISR 159/259 Soccer

ISR 160/260 Swimming

ISR 162/262 Table Tennis

ISR 163/263 Tai Chi

ISR 165/265 Tennis

ISR 170/270 Strength Training

ISR 175/275 Volleyball

ISR 180/280 Volleyball/Softball

ISR 189 Yoga

ISR 190 Caribbean Connection

ISR 191 Diver and the Coral Reef

ISR 192 Night and Drift Diving

ISR 193 Reef Creators

ISR 194 Underwater Navigation and Mapping

ISR 195 Wreck Diving

ISR 199 Special Topics*

*Content may vary each semester as determined by the ISR faculty, based on faculty, staff or student interests. No special topic offered more than twice.