

RE 608 Curriculum Design and Instructional Planning in Reading. (3 Hours) A study of theory, methods, and approaches to curriculum planning and improvement in providing for individual needs of learners. (S, Sum)
RE 690 Advanced Thesis Writing. (3-6 Hours)

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION AND RECREATION

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Faculty

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The Department of Physical Education offers the Master of Science in Education and Master of Science in Sport Science.

**Master of Science in Education
 Physical Education**

Accreditation

The graduate program, accredited by the National Council for Accreditation of Teacher Education, is designed for students who have demonstrated the capacity to do scholarly graduate work and the willingness to devote the time and effort necessary to succeed in the program.

Program Objectives

The program provides students with specialization or diversification in the areas of health, physical education, dance, physiology of exercise, athletic administration, adapted physical education, and administration of physical education in secondary schools, community colleges, and other agencies such as boys and girls clubs, Y.M.C.A.'s and Y.W.C.A.'s.

Admission Requirements

Applicants for the masters' degree must hold an undergraduate degree from a regionally accredited college or university.

Degree Requirements

To qualify for the masters degree the student must complete 36 semester hours of graduate work.

Course	Title	Semester Hours
EDFL 514	Elementary Statistics	3
EDFL 515	Methods of Educational Research	3
EDFL 568	Curriculum Methods	3
PE 522	Motor Learning and Human Performance	3
PE 540	Organization and Administration of Physical Education in Two and Four Year Colleges	3
PE 550	Research in Physical Education	3
PE 552	Biomechanics	3
PE 553	Advanced Exercise Physiology	3
	<i>Hours</i>	<u>24</u>

Electives

Other coursework is selected in consultation with an academic advisor to complete specific areas of concentration.

Total Hours 36

Master of Science Sport Science

Accreditation

The Sport Science curriculum design is strictly set to meet National Accrediting and Recognition bodies within the areas of Sport Management (North American Society for Sport Management/NASSM) and Strength and Conditioning (National Strength and Conditioning Association/NSCA).

Program Objectives

The Sport Science program provides a variety of interrelated reasons behind the accelerated and sustained growth in the sport science professional preparation program:

- an effort to meet a real, recognizable need for professionally trained administrators in the broad area of sport;
- a natural outgrowth of the study of sport, combined with the view that physical education is a broad-based academic discipline;
- fewer students seeking to become physical education teachers, an overabundance of would-be physical education teachers already seeking jobs, the reduction in requirements for daily physical education in many school systems;
- a conscious effort by professionals within higher education to save jobs of physical education professors (as fewer students pursue traditional physical education as a major), by providing an alternative academic career path; and
- emerging areas of local community, state, regional, national and International arenas jumping on the "sport science bandwagon" once they realized that such programs benefit from these highly trained individuals.

Existing programs at Jackson State University will benefit due to the added graduate emphasis areas that make undergraduate degrees more marketable or attractive to potential employers. Therefore, retention of JSU's undergraduates benefits both existing programs as well as the new Sport Science Program.

The phenomenal growth associated with sport science has not been without controversies, challenges, and problems. The purpose of programs remains essentially the same: to prepare future sport professionals, other than teachers and coaches, for careers in the world of sport. An estimate was made in 2001 that there existed approximately 8 million sports jobs at all levels in the United States. These were in marketing, entrepreneurship, administration, representation, and other sports-related areas. Although there is seemingly a wealth of job opportunities in sport, the competition for these positions has been and will remain severe. Other potential career paths in sport science include athletic team management, finance, sports medicine/athletic training, journalism, broadcasting, public relations, development and fund raising, sports information, facility management, cardiovascular fitness and wellness administration, aquatics management, among others.

Sport is big business today and will remain so in the future. In fact, sports revenues are exceeding the \$100 billion mark in the United States. As a result, there is

an ever increasing need for professionals trained in the managerial, administrative, and business aspects of sport science.

Admissions Requirements

Applicants for the master's degree must hold an undergraduate degree from a regionally accredited college or university.

Degree Requirements

To qualify for the master's degree the student must complete 36 semester hours of graduate work for the Sport Management emphasis and 37 semester hours for the Strength & Conditioning emphasis.

Emphasis Areas

Sport Science Core

Core Courses	Credit
SPM 512 Facility Design & Maintenance	3
SPM 515 Governing Bodies & the Law	3
SPM 560 Ethics of Sport	3
SC 545 Sport Psychology & Sociology	3
PE 550 Research Methods	3
<i>Hours</i>	<u>15</u>

Sport Management Emphasis

ECO 511 <i>or</i> Macroeconomics	3
ECO 512 Microeconomics	3
MNGT 516 Statistics for Business Decisions	3
SPM 510 Sport Marketing	3
SPM 530 Sport Finance	3
SPM543 Sport Administration and Organization	3
SPM 590 Internship <i>or</i>	6
SPM 600 Thesis	6
<i>Hours</i>	<u>21</u>
<i>Total Hours</i>	<u>36</u>

Strength and Conditioning Emphasis

BIO 511 Bio Statistics	3
BIO 513 Advanced Human Nutrition	3
PE 552 Bio Mechanics	3
PE 553 Advanced Muscular Physiology	3
SC 501 Strength and Conditioning	3
SC 501L Strength and Conditioning Lab	1
SC 550 Internship <i>or</i>	6
SC 600 Thesis	6
<i>Hours</i>	<u>22</u>
<i>Total Hours</i>	<u>37</u>

DESCRIPTION OF COURSES

Health

HE 500 Drug Abuse Education. (3 Hours) A comprehensive study of the history of drug and alcohol abuse, drug addiction and drug therapy. The course covers the economic and social impact of drug abuse on the country and the world. Consultants from various fields such as medicine, law enforcement, social agencies and education are utilized in an attempt to relate to participants all facets of the drug problem including possible solutions. The course is open primarily to graduate students, in-service teachers, counselors, guidance directors, and school and other institutional administrators.

HE 501 Foundations of Health Education (3 Hours)
This course is designed to be used as an introduction

to students in health education. This course outlines the historical development of health education as a profession and examines critical issues facing health educators today. The philosophy of health education and health promotion serve as a common cornerstone to subsequent coursework. Competencies of health educators will be examined. This course explores the foundation of health education in school, community, clinic and worksite settings.

HE 503 Organization and Administration of School and Community Health. (3 Hours) This course explores the school health education community health programs with emphasis on organization and administration of school, public health, voluntary, and private health programs.

HE 550 Research in Health (3 Hours) This course deals with the process of arriving at dependable solutions to problems through the planned and systematic collection, analysis and interpretation of data related to the field of health. Students will also study the scholarly application of the scientific method to the solving of health problems.

HE 600 Public and Community Health (3 Hours) This course is designed to communicate an understanding in the area of public and community health. It traces the beginning of public health and community health and studies the relationship between public and community health.

Physical Education

PE 505 Practicum in Lifetime Sport. (3 Hours) Designed to study lifetime sports such as tennis, archery, golf, swimming, badminton, and many others in which one may participate throughout life.

PE 509 Principles And Problems of Coaching. (3 Hours) This course is designed to deal with the recognition, discussion, and systematic analysis of controversial issues and problems in coaching and athletics. Topics studied are: psychological-social implications of athletics, crowd control, profiles of coaches, women and athletics, financial crisis in athletics, personality traits and anatomical structure of athletes, interscholastic athletic competition below high school level, recruitment of minority athletes and financial aid.

PE 510 Theory and Practice of Coaching Basketball. (2 Hours) Designed to give the student experiences in dealing with the basketball program from a scientific standpoint. The student will be exposed to experiences relative to the application of mechanical, physiological, and kinesiological laws to the basketball program. The student will explore the psychology of coaching as well as review some of the problems that are specifically related to the basketball program such as recruiting, theories of the game, organizing practice, sideline coaching, and the rules and regulations of various governing bodies.

PE 511 Theory and Practice of Coaching Football. (2 Hours) Designed to give the student experiences in dealing with the football program from a scientific standpoint. The student will be exposed to experiences relative to the application of mechanical, physiological, and kinesiological laws to the football program. The student will explore the psychology of coaching as well as review some of the problems that are specifically related to football programs such as recruiting, theories of the game, organized practice, sideline coaching, and the rules and regulations of various governing bodies.

PE 512 Theory and Practice of Coaching Baseball. (2 Hours) Designed to give the student experiences in dealing with the baseball program from a scientific standpoint. The student will be exposed to experiences relative to the application of mechanical, physiological, and kinesiological laws to the baseball program. The student will explore the psychology of coaching as well as review some of the problems that are specifically related to the baseball program such as recruiting, theories of the game, organizing practice, sideline coaching, and the rules and regulations of various governing bodies.

PE 513 Theory and Practice of Coaching Track and Field. (2 Hours) Designed to give the student experiences in dealing with the track program from a scientific point of view. The student will be exposed to experiences relative to the application of mechanical, physiological, and kinesiological laws to the track program. The student will explore the psychology of coaching track as well as review some of the problems that are specifically related to the track program such as recruiting, organizing practice and the rules of governing bodies.

PE 540 Organization and Administration of Physical Education In Two and Four Year Colleges. (3 Hours) Study of the organizational structure of physical education in two and four year colleges. The course will cover theory, professional preparation and practices and administration. The course will show how administrative theories are developed. It will dwell on the broad process of administration that might be designed as decision making, communicating, activating, planning and evaluating.

PE 543 Organization and Administration of Sport. (3 Hours) A study of the various organizations and administration patterns of athletics in schools, colleges, universities, and professional athletics.

PE 550 Research in Physical Education. (3 Hours) Study and application of research techniques to selected problems in health, physical education, and recreation.

PE 552 Biomechanics. (3 Hours) In-depth study of the application of mechanical principles to athletic performance. The study will make application of laws of balance, motion, force, work and energy, to track and field, baseball, football, swimming, diving, gymnastics, basketball, golf, and tennis.

PE 553 Advanced Exercise Physiology. (3 Hours) Prerequisite: Human Physiology and/or Introductory Course in Exercise Physiology. Lectures, discussions and experiments dealing with the structure, function and metabolism of skeletal and cardiac muscles. Emphasis on correlating muscle function with metabolic events. The biochemical basis of adaptation of muscle function is considered.

PE 560 Sociology of Sport. (3 Hours) The course will include the study of processes and patterns of individual and group interaction, the forms of organization of social groups the relationships among them, and group influences on individual behavior within a sport context will be discussed.

PE 587 Independent Study. (1 Hour) Implementation of individual student research project under the guidance of an advisor.

PE 589 Independent Study. (2 Hours) Opportunity for students to undertake independent study and research under the direction of a faculty member. The

student will submit a written report and may be asked to stand a comprehensive examination of his work.

PE 590 Thesis Writing and Research In Physical Education. (1-6 Hours) An independent investigative work in physical education. The candidate chooses a problem, but approval by his chairman is required. Credit is granted only after thesis is completed and approved by the department

Sport Science

SC 501 Strength & Conditioning (3 hrs) This course will enable the student to develop knowledge and expertise in the areas of strength training, cardiovascular endurance, flexibility, reaction time, speed, and agility in traditional and non-traditional sports. Emphasis will be placed on implementation and measurement of the above programs in conjunction with athletic development.

SC 501L Strength & Conditioning Lab (1 hr) This lab will enable the student to develop practical knowledge and expertise in the areas of strength training, cardiovascular endurance, flexibility, reaction time, speed, and agility in traditional and non-traditional sports. Emphasis will be placed on hands-on implementation and measurement of the above areas in conjunction with athletic development.

SC 545 Sport Psychology and Sociology (3 hrs) This course provides a comprehensive analysis of the field of social psychology and the theories that apply to the world of sport and physical activity. This course will focus upon and provide an overview of the major social factors and theories that affect those involved in sport. In-depth discussion of the interactions between the athlete, team, coach and spectators will occur.

SC 550 Internship (3/6 hrs) The internship is the capstone experience for the Graduate Sport Science student. The internship allows the student to work and learn outside of the classroom at an approved site selected by the student. This internship is designed to be a mutually beneficial experience and provide a practical, experiential learning environment for competent, energetic students. The student is required to complete a total of 250 hours (per 3 hour credit) working at an approved internship site.

SC 600 Thesis (3/6 hrs) Students select a topic for original research; conducts and writes their research during the course of the class.

SPM 510 Sport Marketing. (3 hrs) This course addresses the principles of sport marketing which include the areas of marketing, promotion, and fundraising within the context of interscholastic, intercollegiate, amateur, and professional sports. The course will include an overview of the past and present sport business industry and market; sport marketing theory and systems; the content, pricing, distribution, and promotional techniques of the sport product; media relations; endorsements and sponsorships; and licensing.

SPM 512 Facility Design and Maintenance. (3 hrs) This course will provide the student with the practices and principles of planning, designing, constructing and developing sport facilities, including swimming pools, recreation centers, gymnasiums, fitness centers, golf courses, stadiums, ice skating rinks, skateboard parks, ball-fields and much more. Significant emphasis is placed upon wise land-use practices, current planning, design, construction and development techniques and standards, and, efficient, effective and practical recreation facility planning, design, construction and development.

SPM 515 Governing Bodies & The Law. (3 hrs)

This course is designed to provide the graduate student with information concerning the history, basic structure and governing principles of various sport agencies. The course will include, but is not limited to an examination of case law (collective bargaining, contracts, etc.), the National Collegiate Athletic Association, the National Association of Intercollegiate Athletics, and professional sports leagues in the United States and Europe.

SPM 530 Sport Finance. (3 hrs) This course is an examination of the principles of economics, budgeting, and finance as it applies to the sport industry.

SPM 543 Sport Administration (3 hrs) A comprehensive study of the various organizations and administrative patterns of athletics in schools, colleges, universities and other professional sport organizations. This course provides an introduction to the study of administrative considerations of various sport programs, including aims, policies, principles, staffing, scheduling, finance, facilities and equipment, maintenance, legal considerations, risk management, publicity and program evaluation within the realm of sport management and administration.

SPM 560 Ethics of Sport. (3hrs) This course is designed to provide the graduate student with information concerning ethical theories and issues relating to sport and physical activity.

SPM 590 Sport Internship (3/6 hrs) The internship is the capstone experience for the Graduate Sport Science student. The internship allows the student to work and learn outside of the classroom at an approved site selected by the student. This internship is designed to be a mutually beneficial experience and provide a practical, experiential learning environment for competent, energetic students. The student is required to complete a total of 250 hours (per 3 hour credit) working at an approved internship site.

SPM 600 Thesis (3/6 hrs) Students select a topic for original research; conducts and writes their research during the course of the class.