

Exercise and Sport Science

School of Health and Human Performance

Purpose Statement

The Department of Exercise and Sport Science seeks to:

1. Provide a program that will promote the physical, intellectual, and spiritual development of each individual through the medium of physical activity.
2. Develop an awareness of the Christian's stewardship responsibility with regard to the care and use of the body.
3. Provide experiences and instruction that will help develop Christ-like attitudes and actions in and through sports, games, self-testing activities, aquatics, and lifetime recreational pursuits.
4. Prepare students for careers in athletic training, exercise science, teaching physical education or health, sport management, coaching, recreation, health promotion, or other related fields.

Personal Requirements

Students planning to pursue a major within the Department of Exercise and Sport Science are best prepared in high school by taking a college preparatory curriculum. Students planning to pursue a multi-age physical education major should take as many physical education courses as possible. Those considering majors in athletic training or exercise science should take biology, chemistry, physics, and mathematics courses at least through Algebra II. Business courses such as accounting and economics are good preparation for students considering a major in sport management.

Department Requirements

Once students declare a major within the Department of Exercise and Sport Science, they are expected to maintain a high level of personal physical fitness. A semi-annual 1 1/2 mile run is used to evaluate the status of the student's fitness.

For information regarding specific program requirements, see page 97 for athletic training requirements and page 72 for the Department of Education admission and retention requirements.

Programs of Study

The Department of Exercise and Sport Science offers the following programs of study:

Majors

- Athletic Training (national certification)
- Exercise Science
- Multi-Age Physical Education (certification for teaching pre-K to 12)
- Sport Management

Minors

- Coaching
- Health Promotion
- Multi-Age Health Education (certification for teaching pre-K to 12)

Co-Curricular Opportunities

The Department of Exercise and Sport Science has several opportunities for students to increase their professional skills and awareness, including:

- Athletic training majors – Membership in National Athletic Trainer's Association (NATA)
- Exercise science majors – Membership in American

- College of Sports Medicine (ACSM) and the Alliance of Health and Fitness Professionals membership program
- Multi-age physical education majors – Membership in American Alliance for Health, Physical Education, Recreation, and Dance (AAHPERD)
- Sport management majors – Membership in North American Society for Sport Management (NASSM)

Career Opportunities

Graduate and professional schools welcome Cedarville graduates. Careers pursued by graduates include:

- Administrator of youth activities and youth organizations
- Athletic director
- Athletic trainer
- Coach
- College professor
- Community health opportunities
- Exercise physiologist
- Exercise specialist
- Fitness and recreation management
- Health teacher (pre-K to 12th grade)
- Personal trainer
- Professional athletic team management
- Physical education teacher (pre-K to 12th grade)
- Sport marketing and promotion
- Sport ministry organization management

Faculty

John McGillivray, *Chairman*: Associate Professor of Exercise and Sport Science. Coach, women's soccer; NAIA Hall of Fame, 1993. *Education*: B.S., Cedarville University, 1970; graduate study, Wright State University, 1972-74; M.S., University of Dayton, 1976. At Cedarville since 1974.

Benson Belleman, Assistant Professor of Exercise and Sport Science. Coach, men's soccer. *Education*: B.A., Cedarville University, 1979; M.A., University of Akron, 1990. At Cedarville since 2001.

Jeffrey Bolender, Assistant Professor of Exercise and Sport Science. Coach, men's and women's track and field. *Education*: B.A., Cedarville University, 1991; M.S., Baylor University, 1996. At Cedarville since 2001.

Donald Callan, *Dean*, School of Health and Human Performance: Professor of Exercise and Sport Science. Founder, Missions Involvement Services (MIS); NAIA District 22 "Administrator of the Year," 1987-89; NAIA Hall of Fame, 1990. *Education*: B.S., Taylor University, 1955; M.A., Ball State Teachers College, 1960; Ph.D., The Ohio State University, 1968. At Cedarville since 1960.

Teresa Clark, Assistant Professor of Exercise and Sport Science. Coach, women's volleyball. NCCAA National Volleyball Chair. *Education*: B.A., Cedarville University, 1975; M.S., Indiana University, 1986. At Cedarville since 1996.

Robert Duchardt, Assistant Professor of Athletic Training. Head Athletic Trainer; Certified athletic trainer (NATA). *Education*: B.S., Taylor University, 1965; M.S., Union College, 1973; graduate study, West Chester State College, 1977. At Cedarville since 1989.

Kathleen Freese, Assistant Professor of Exercise and Sport Science. *Education*: B.S., Bowling Green State University, 1971; M.Ed., Bowling Green State University, 1981. At Cedarville since 1991.

Evan Hellwig, Associate Professor of Athletic Training. Certified athletic trainer (NATA); licensed physical therapist. *Education*: B.S., Mankato State University, 1984; Physical Therapy Certificate, University of Iowa School of Medicine, 1986; Ph.D., University of Virginia, 1992. At Cedarville 1986-89, 1992 to present.

Pamela Diehl Johnson, Professor of Exercise and Sport Science. Coach, women's tennis; member, NAIA Women's Tennis National Tournament Committee; member, Executive Committee, Greene County Special Olympics; NCCAA National Tennis Chair; coauthor, *Physical Fitness and the Christian*. *Education*: B.S., University of Dayton, 1970; M.A., The Ohio State University, 1971; Ph.D., The Ohio State University, 1974. At Cedarville since 1974.

Elvin King, Associate Professor of Exercise and Sport Science. Coach, women's cross country; founder, NCCAA National Track Meet; NCCAA Hall of Fame, 1993. *Education*: B.S., Kent State University, 1964; M.Ed., Bowling Green State University, 1967. At Cedarville since 1969.

Kirk Martin, Assistant Professor of Exercise and Sport Science. Coach, women's basketball. *Education*: B.A., Cedarville University, 1976; M.S., University of Dayton, 1981. At Cedarville since 2001.

Paul Orchard, Assistant Professor of Exercise and Sport Science. Coach, men's cross country; Assistant Coach, men's and women's track and field. *Education*: B.S., Taylor University, 1983; M.A., Miami University, 1986. At Cedarville since 1993.

Jonathan Plush, Instructor of Athletic Training. Certified athletic trainer (NATA). *Education*: B.A., Cedarville University, 1995; M.S., Georgia State University, 1997. At Cedarville since 2000.

Elizabeth Shearer, Instructor of Exercise and Sport Science. *Education*: B.A., Cedarville University, 1980. At Cedarville since 1979.

W. Ray Slagle, Assistant Professor of Exercise and Sport Science. Coach, men's basketball. *Education*: B.S., Bob Jones University, 1971; M.S., Eastern Michigan University, 1979. At Cedarville since 2000.

William Vine, Associate Professor of Athletic Training. Certified athletic trainer (NATA). *Education*: B.A., California State University, Chico, 1982; M.A., San Jose State University, 1989. At Cedarville since 2001.

Athletic Training Major

The **athletic training major** prepares students for a career as a Certified Athletic Trainer with an emphasis on using athletic training as a springboard for ministry in a variety of settings. This program meets the requirements set forth by the National Athletic Trainer's Association (NATA) and the Commission of Accreditation of Allied Health Education Programs (CAAHEP). Even though the Athletic Training Education Program is not yet accredited, candidacy status has been granted by the Joint Review Committee for Athletic Training (JRC-AT). Prospective students need to be aware that beginning January 1, 2004, a degree from an accredited program is required in order to be eligible for NATA-BOC certification.

Athletic training requires a significant level of scientific and clinical preparation. Prospective athletic training students are encouraged to take college preparatory courses in high school including biology, chemistry, and physics. They also should have

successfully completed mathematics courses at least through Algebra II.

Students are encouraged to combine the athletic training major with another program of study depending upon their career objectives. Possible options include a business minor for those planning to be employed in the sports medicine clinic setting, a teaching certificate for those planning to be employed in the high school setting, and exercise science or biology for those pursuing graduate school or employment in an academic setting. Students need to be aware that preparing to be a marketable athletic trainer may require more than the traditional four years of college. The technical standards associated with the Athletic Training Education Program are available at

www.cedarville.edu/dept/es/athletictraining.

Admission and retention requirements

The Athletic Training Education Program (ATEP) will enforce a competitive admission process if necessary due to the limited availability of clinical education experiences. Space is limited to approximately 10 students per academic class, i.e. 10 seniors, 10 juniors, and 10 sophomores. There is no limit to the number of freshmen who may declare athletic training as their major, but if more than 10 students desire to continue as athletic training majors, the competitive admission process is enforced. Transfer students are considered on an individual basis and may be accepted directly into the ATEP provided that space is available in their graduating class and they have completed the necessary prerequisites. If space is not available, transfer students are welcome to re-apply the following year. Admission criteria include:

1. Cumulative grade point average of 2.5 or better
2. Completion of college-level biology and chemistry courses with a grade of "C-" or better
3. Completion of college-level first aid and basic athletic training courses with a grade of "B-" or better
4. Completion of at least 150 clinical hours under the direct supervision of a Certified Athletic Trainer (ATC)
5. Successful demonstration of designated clinical proficiencies
6. Satisfactory physical exam
7. Hepatitis B vaccine or signed declination
8. Signed acceptance of technical standards, available at www.cedarville.edu/dept/es/athletictraining
9. Current certification in cardiopulmonary resuscitation (CPR)

Retention criteria include:

1. Earn a grade of "C-" or above in all athletic training courses
2. Maintain a cumulative GPA of 2.25
3. Maintain current CPR certification
4. Successful completion of clinical proficiencies established for each term
5. Positive recommendation by the faculty/clinical instructors of the ATEP

Graduation requirements include:

1. Earn a grade of "C-" or better in all athletic training courses
2. Member of the NATA
3. Successful completion of all clinical proficiencies
4. Apply for the NATA-BOC certification examination
5. Meet university requirements for graduation

Exercise and Sport Science

School of Health and Human Performance

Clinical Requirements

The clinical experience is an integral part of the ATEP. Accreditation standards require that the clinical education component of the curriculum be at least two full years in duration. Athletic training majors need to be routinely available during typical varsity practice and game times in order to fulfill the clinical education component of the ATEP. Freshmen will need to accumulate at least 150 hours in order to be eligible for admission into the ATEP. Sophomores will be scheduled to work (approximately 8-10 hours per week) with every team each semester on a rotation basis to expose them to all aspects of collegiate athletic training services. The junior and senior years are devoted to completing extensive clinical assignments including assisting an ATC with a lower extremity sport, an upper extremity sport, an equipment intensive sport (football) and managing an athletic training facility. Upperclassmen can anticipate working between 12-18 hours per week. Therefore, students majoring in athletic training are not encouraged to participate in intercollegiate athletics.

Course Requirements involve 67.5 semester hours including:

ATRN-1550 Basic Athletic Training	5
ATRN-2560 Lower Body Injury Management	5
ATRN-2570 Upper Body Injury Management	5
ATRN-2650 Therapeutic Exercise for Athletic Injuries	2
ATRN-2900 Sports Medicine Clinic	0
ATRN-3550 Organization and Administration in Athletic Training	2
ATRN-3660 Modalities in Athletic Training	3
ATRN-3910 Supervised Experience in Athletic Training-ATF	2
ATRN-3920 Supervised Experience in Athletic Training-Upper Body	2
ATRN-3930 Supervised Experience in Athletic Training-Lower Body	2
ATRN-4560 Medical Aspects of Athletic Training	2
ATRN-4610 Issues in Athletic Training	1
ATRN-4940 Supervised Experience in Athletic Training-Football	2
BIO-1000 Principles of Biology	3.5
BIO-2010 Human Anatomy and Physiology	4
CHEM-1000 Principles of Chemistry	5
ESS-1400 First Aid and Safety Education	2
ESS-3800 Sport Psychology	2
ESS-3900 Physiology of Exercise	3
ESS-3920 Biomechanics	2
*ESS-4600 Research in Athletic Training and Exercise Science	2
MAHE-1000 Introduction to the Health Profession	1
MAHE-3030 Nutrition for Health and Weight Control	2
MAHE-3100 Drug Education	3
MAHE-3500 Community Health Concepts	2
PYCH-1600 General Psychology	3

*Capstone Course

Athletic Training Major Curriculum Summary

Proficiency Requirements	0-5
General Education Requirements	42-50
Athletic Training Major Requirements	67.5
Electives	11-19
Total (minimum, not including proficiency)	128.5

A complete description of the General Education Requirements is found on page 18

Suggested Four-Year Curriculum for a Major in Athletic Training

First year:

ATRN-1550 Basic Athletic Training	5
BEGE-1710 Christian Life and Thought	3
BEGE-1720 Spiritual Formation	3
BIO-1000 Principles of Biology	3.5
CHEM-1000 Principles of Chemistry	5
ENG-1400 Composition	3
ESS-1400 First Aid and Safety Education	2
GMTH-1020 College Algebra	3
MAHE-1000 Introduction to the Health Profession	1
PEF-1990 Physical Activity and the Christian Life	1
PYCH-1600 General Psychology	3
Total	32.5

Summer:

ATRN-2900 Sports Medicine Clinic	0
----------------------------------	---

Second year:

ATRN-2560 Lower Body Injury Management	5
ATRN-2570 Upper Body Injury Management	5
ATRN-2650 Therapeutic Exercise for Athletic Injuries	2
BEGE-2730 Old Testament Literature	3
BIO-2010 Human Anatomy and Physiology	4
COM-1100 Fundamentals of Speech	3
ESS-3900 Physiology of Exercise	3
GSS-1000 Foundations of Social Science	3
Physical Education Activity Elective	1
Electives	3
Total	32

Third year:

ATRN-3550 Organization and Administration in Athletic Training	2
ATRN-3660 Modalities in Athletic Training	3
ATRN-3920 Supervised Experience in Athletic Training-Upper Body	2
ATRN-3930 Supervised Experience in Athletic Training-Lower Body	2
BEGE-2740 New Testament Literature	3
HUM-1400 Introduction to the Humanities	3
MAHE-3030 Nutrition for Health and Weight Control	2
MAHE-3100 Drug Education	3
MAHE-3500 Community Health Concepts	2
Literature Elective	3
Electives	7
Total	32

Fourth year:

ATRN-3910 Supervised Experience in Athletic Training-ATF	2
ATRN-4560 Medical Aspects of Athletic Training	2
ATRN-4610 Issues in Athletic Training	1
ATRN-4940 Supervised Experience in Athletic Training-Football	2
BEGE-3750 Christian Worldview Development	2
BEGE-3760 Christian Worldview Integration	2
ESS-3800 Sport Psychology	2
ESS-3920 Biomechanics	2
ESS-4600 Research in Athletic Training and Exercise Science	2
History Elective	3
Humanities/Global Awareness Elective	3
Electives	9
Total	32

Exercise and Sport Science

School of Health and Human Performance

Exercise Science

The **exercise science major** prepares students for careers in exercise physiology, cardiac rehabilitation, biomechanics, personal fitness services, or as an exercise specialist in corporate or private fitness centers and sports medicine clinics. This program is excellent preparation for graduate or professional schools.

Course requirements involve 66 semester hours including:

BUS-2990 Personal Development	0
BUS-3990 Professional Development	0
CHEM-1000 Principles of Chemistry	5
ESS-1350 Foundations of Exercise and Sport Science	2
ESS-1400 First Aid and Safety Education	2
ESS-1550 Athletic Training Essentials	2
ESS-2380 Motor Learning and Development	3
ESS-3800 Sport Psychology	2
ESS-3890 Human Anatomy and Physiology for the Physical Educator	5
ESS-3900 Physiology of Exercise	3
ESS-3920 Biomechanics	2
ESS-3940 Structural Kinesiology	1
ESS-4600 Research in Athletic Training and Exercise Science	2
ESS-4900 Physical Education Senior Seminar	1
EUIS-2100 Business Communication	3
EXSC-2000 Worksite Observation	0
EXSC-3000 Exercise Science Practicum (1 hour each)	2
EXSC-3860 Basic Exercise Testing	3
EXSC-3870 Basic Exercise Prescription	3
EXSC-4180 Legal Issues in Exercise and Sport Science	3
EXSC-4810 Organization and Administration of Exercise Science	3
EXSC-4880 Exercise Testing and Prescription for Special Populations	3
*EXSC-4990 Internship in Exercise Science	6
GMTH-1020 College Algebra	3
MAHE-1000 Introduction to the Health Profession	1
MAHE-3030 Nutrition for Health and Weight Control	2
MAHE-3100 Drug Education	3
PEF-1990 Physical Activity and the Christian Life	1

*Capstone Course

Exercise Science Major Curriculum Summary

Proficiency Requirements	0-5
General Education Requirements	44.5-52.5
Exercise Science Major Requirements	66
Electives	10-18
Total (minimum, not including proficiency)	128.5

A complete description of the General Education Requirements is found on page 18

Suggested Four-Year Curriculum for a Major in Exercise Science

First year:

BEGE-1710 Christian Life and Thought	3
BEGE-1720 Spiritual Formation	3
BIO-1000 Principles of Biology	3.5
CHEM-1000 Principles of Chemistry	5
COM-1100 Fundamentals of Speech	3
ENG-1400 Composition	3
ESS-1350 Foundations of Exercise & Sport Science	2
ESS-1400 First Aid and Safety Education	2
ESS-1550 Athletic Training Essentials	2
GMTH-1020 College Algebra	3
MAHE-1000 Introduction to the Health Profession	1
PEF-1990 Physical Activity and the Christian Life	1
Physical Education Activity Elective	1
Total	32.5

Summer:

EXSC-2000 Worksite Observation	0
--------------------------------------	---

Second year:

BEGE-2730 Old Testament Literature	3
BEGE-2740 New Testament Literature	3
BUS-2990 Personal Development (2 semesters)	0
ESS-2380 Motor Learning & Development	3
ESS-3890 Human Anatomy & Physiology for the Physical Educator	5
ESS-3900 Physiology of Exercise	3
EUIS-2100 Business Communication	3
GSS-1000 Foundations of Social Science	3
HUM-1400 Introduction to the Humanities	3
Literature Elective	3
Electives	3
Total	32

Third year:

BEGE-3750 Christian Worldview Development	2
BEGE-3760 Christian Worldview Integration	2
BUS-3990 Professional Development (2 semesters)	0
ESS-3800 Sport Psychology	2
ESS-3920 Biomechanics	2
ESS-3940 Structural Kinesiology	1
EXSC-3000 Exercise Science Practicum (2 semesters)	2
EXSC-3860 Basic Exercise Testing	3
EXSC-3870 Basic Exercise Prescription	3
MAHE-3030 Nutrition for Health and Weight Control	2
MAHE-3100 Drug Education	3
History Elective	3
Social Science/Global Awareness Elective	3
Electives	4
Total	32

Fourth year:

ESS-4600 Research in Athletic Training and Exercise Science	2
ESS-4900 Physical Education Senior Seminar (Spring Semester)	1
EXSC-4180 Legal Issues in Exercise and Sport Science	3
EXSC-4810 Organization and Administration of Exercise Science	3
EXSC-4880 Exercise Testing & Prescription for Special Populations	3
EXSC-4990 Internship in Exercise Science	6
Humanities Elective	3
Electives	11
Total	32

Exercise and Sport Science

School of Health and Human Performance

Multi-Age Physical Education

The **multi-age physical education major** prepares students to teach physical education in grades pre-K to 12 in public and Christian schools. Students who complete this curriculum will be licensed by the state of Ohio and the Association of Christian Schools International. The Ohio teaching license, through reciprocal agreements, is automatically recognized in 42 states. For additional information about teaching in other states, see the Department of Education section of this catalog.

Course requirements involve 81 semester hours including:

<i>Physical Education</i>	40
ESS-1350 Foundations of Exercise and Sport Science	2
ESS-1400 First Aid and Safety Education	2
ESS-2380 Motor Learning and Development	3
ESS-3890 Human Anatomy & Physiology for the Physical Educator	5
ESS-3900 Physiology of Exercise	3
ESS-3920 Biomechanics	2
ESS-4900 Physical Education Senior Seminar (1 hour each for 2 semesters)	2
GMTH-1020 College Algebra	3
MAHE-3130 School Health Program	3
MAPE-1210 Team Sports	2
MAPE-2200 Individual and Dual Sports I	2
MAPE-2210 Individual and Dual Sports II	2
MAPE-4500 Curriculum Development in Physical Education	3
PEAL-XXXX Outdoor Leisure Elective	1
PEAR-2100 Rhythmics	1
PEAS-1120 Tumbling	1
PEAS-1130/1140 Apparatus	1
PEAS-17XX Swimming Elective	1
PEF-1990 Physical Activity and the Christian Life	1

<i>Professional Education</i>	41
EDSP-2000 Teaching Children with Exceptionalities	2
EDSP-2050 Special Education Field Experience	1
EDUC-1000 The Education Profession	1
EDUC-1050 Contemporary Christian Schools	0
EDUC-2000 Introduction to Teaching	2
EDUC-2100 Technology in the Classroom	2
EDUC-2200 Multicultural Field Experience	1
EDUC-2500 Educational Psychology	3
EDUC-4000 Reading in the Content Area: Multi-Age	3
EDUC-4500 Philosophy of Education	2
EDUC-4900 Student Teaching and Seminar: Multi-Age ..	10
MAPE-3600 Physical Education in the Elementary School	5
MAPE-4950 Methods of Teaching Physical Education	3
MAPE-4960 Field Experience	4
MAPE-4970 Field Experience (Special Populations)	2

Multi-Age Physical Education Major Curriculum Summary	
Proficiency Requirements	0-5
General Education Requirements	47-55
Multi-Age Physical Education Major Requirements	81
Total (minimum, not including proficiency)	128

A complete description of the General Education Requirements is found on page 18

Suggested Four-Year Curriculum for a Major in Multi-Age Physical Education

<i>First year:</i>	
BEGE-1710 Christian Life and Thought	3
BEGE-1720 Spiritual Formation	3
BIO-1000 Principles of Biology	3.5
COM-1100 Fundamentals of Speech	3
EDUC-1000 The Education Profession	1
EDUC-1050 Contemporary Christian Schools	0
ENG-1400 Composition	3
ESS-1350 Foundations of Exercise and Sport Science	2
ESS-1400 First Aid and Safety Education	2
GMTH-1020 College Algebra	3
HUM-1400 Introduction to the Humanities	3
MAPE-1210 Team Sports	2
PEAS-1120 Tumbling	1
PEAS-1130/1140 Apparatus	1
PEAS-17XX Swimming Elective	1
PEF-1990 Physical Activity and the Christian Life	1
Total	32.5
<i>Second year:</i>	
BEGE-2730 Old Testament Literature	3
BEGE-2740 New Testament Literature	3
EDSP-2000 Teaching Children with Exceptionalities	2
EDSP-2050 Special Education Field Experience	1
EDUC-2000 Introduction to Teaching	2
EDUC-2100 Technology in the Classroom	2
EDUC-2200 Multicultural Field Experience	1
EDUC-2500 Educational Psychology	3
ESS-2380 Motor Learning and Development	3
MAPE-2200 Individual and Dual Sports I	2
MAPE-2210 Individual and Dual Sports II	2
PEAR-2100 Rhythmics	1
Physical Science Elective	3.5
Social Science/Global Awareness Elective	3
Total	31.5
<i>Third year:</i>	
BEGE-3750 Christian Worldview Development	2
ESS-3890 Human Anatomy & Physiology for the Physical Educator ..	5
ESS-3900 Physiology of Exercise	3
ESS-3920 Biomechanics	2
GSS-1000 Foundations of Social Science	3
MAHE-3130 School Health Program	3
MAPE-3600 Physical Education in Elementary School	5
PEAL-XXXX Outdoor Leisure Activity	1
History Elective	3
Literature Elective	3
Total	30
<i>Summer:</i>	
EDUC-4000 Reading in the Content Area: Multi-Age	3
<i>Fourth year:</i>	
BEGE-3760 Christian Worldview Integration	2
EDUC-4500 Philosophy of Education	2
EDUC-4900 Student Teaching and Seminar: Multi-Age	10-12
ESS-4900 Physical Education Senior Seminar (2 semesters)	2
MAPE-4500 Curriculum Development in Physical Education	3
MAPE-4950 Methods of Teaching Physical Education	3
MAPE-4960 Field Experience	4
MAPE-4970 Field Experience (Special Populations)	2
Humanities Elective	3
Total	34-36

Sport Management

The **sport management major** prepares graduates to pursue career opportunities across the wide spectrum of sport: from amateur to collegiate to professional to corporate sport settings; and from roles in management to marketing to journalism to law.

Course requirements involve 56 semester hours including:	
<i>Sport Management Core</i>	35
ESS-3800 Sport Psychology	2
PEF-1990 Physical Activity and the Christian Life	1
SMGT-1000 Sport Management Practicum (1 hour each)...	5
SMGT-1350 Introduction to Sport Management	3
SMGT-3180 Legal Issues in Sport Management	3
SMGT-3610 Marketing in the Sport Industry	3
SMGT-3810 Organization and Administration of Sports and Athletics	3
SMGT-4660 Promotions and Public Relations in Sport	3
*SMGT-4990 Internship in Sport Management	12
<i>Business Core</i>	15
ACCT-2110 Principles of Accounting I	3
BUS-1990 Business Prologue	0
BUS-2990 Personal Development	0
BUS-3990 Professional Development	0
BUS-4990 Executive Development	0
EUIS-2100 Business Communication	3
MIS-1500 Information Management in a Dynamic World ...	2
MIS-1510 Information Management Software Tools Lab ...	1
MGMT-3500 Principles of Organization and Management	3
MRKT-3600 Principles of Marketing	3
<i>Electives from the following</i>	6
ACCT-2120 Principles of Accounting II	3
BUS-4420 Business Ethics and Social Responsibility	2
COM-3140 Intercultural Communication	3
COM-3230 Organizational Communication	3
COM-3240 Interpersonal Communication	2
ECON-2330 Microeconomics	3
MGMT-3510 Small Business Management	3
MRKT-3680 Nonprofit Marketing	3
MRKT-3690 Services Marketing	3
SMGT-1000 Sport Management Practicum (1 hour each)	1
SOC-2300 Principles of Sociology	3

*Capstone Course

Sport Management Major Curriculum Summary

Proficiency Requirements	0-5
General Education Requirements	51-59
Sport Management Major Requirements	56
Electives	13-21
Total (minimum, not including proficiency)	128

A complete description of the General Education Requirements is found on page 18

Suggested Four-Year Curriculum for a Major in Sport Management

<i>First year:</i>	
BEGE-1710 Christian Life and Thought	3
BEGE-1720 Spiritual Formation	3
BIO-1000 Principles of Biology	3.5
BUS-1990 Business Prologue (1 semester)	0
COM-1100 Fundamentals of Speech	3
ENG-1400 Composition	3
HUM-1400 Introduction to the Humanities	3
PEF-1990 Physical Activity and the Christian Life	1
SMGT-1000 Sport Management Practicum	1
SMGT-1350 Introduction to Sport Management	3
Quantitative Elective	3
Physical Education Activity Elective	1
Physical Science Elective	3.5
Total	31
<i>Second year:</i>	
ACCT-2110 Principles of Accounting I	3
BEGE-2730 Old Testament Literature	3
BEGE-2740 New Testament Literature	3
BUS-2990 Personal Development (2 semesters)	0
EUIS-2100 Business Communication	3
MGMT-3500 Principles of Organization and Management	3
MIS-1500 Information Management in a Dynamic World	2
MIS-1510 Information Management Software Tools Lab	1
MRKT-3600 Principles of Marketing	3
SMGT-1000 Sport Management Practicum (2 semesters)	2
History Elective	3
Literature Elective	3
Electives	5
Total	34
<i>Third year:</i>	
BEGE-3750 Christian Worldview Development	2
BEGE-3760 Christian Worldview Integration	2
BUS-3990 Professional Development (2 semesters)	0
ESS-3800 Sport Psychology	2
GSS-1000 Foundations of Social Science	3
SMGT-1000 Sport Management Practicum (2 semesters)	2
SMGT-3180 Legal Issues in Sport Management	3
SMGT-3610 Marketing in the Sport Industry	3
SMGT-3810 Organization and Administration of Sports and Athletics	3
Humanities Elective	3
Social Science/Global Awareness Elective	3
Sport Management Electives	6
Electives	2
Total	34
<i>Fourth year:</i>	
BUS-4990 Executive Development (2 semesters)	0
SMGT-4660 Promotions and Public Relations in Sport	3
SMGT-4990 Internship in Sport Management	12
Electives	14
Total	29

Exercise and Sport Science

School of Health and Human Performance

Minors

The **coaching** minor prepares students to work as coaches in organized athletic programs at any level. Although formal education is not currently required of coaches, this particular program combines theoretical, scientific, and practical components to provide students with the knowledge and the skills they will need to succeed in this competitive yet rewarding area of service. The course requirements of the coaching minor make it a suitable complement to any major field of study offered by the University.

Course requirements for a minor in coaching involve 18 semester hours including:

CCHG-3670 Fundamentals of Coaching	3
CCHG-3680 Scientific Basis of Coaching	2
Select one course from CCHG-3700 through CCHG-3760 Coaching	2
CCHG-4950 Internship in Coaching	3
ESS-1400 First Aid and Safety Education	2
ESS-1550 Athletic Training Essentials	2
ESS-3800 Sport Psychology	2
ESS-3920 Biomechanics	2

The **health promotion** minor is a noncertificate area for those students not seeking K-12 teaching certification in health education. It is designed to prepare students for health promotion employment opportunities in educational, community, health agency, sport, and leisure settings. It complements the coursework in physical education, athletic training, business, exercise science, or psychology. Students may also qualify to take the Certified Health Education Specialist exam, depending on particular course work chosen.

Course requirements for a minor in health promotion involve 21 semester hours including:

ESS-1400 First Aid and Safety Education	2
ESS-3890 Human Anatomy and Physiology for the Physical Educator	5
MAHE-1000 Introduction to the Health Profession	1
MAHE-1350 Foundations of Health Education	2
MAHE-2100 Personal Health Issues	3
MAHE-3030 Nutrition for Health and Weight Control	2
MAHE-3500 Community Health Concepts	2
PEF-1990 Physical Activity and the Christian Life	1
<i>One course selected from the following:</i>	
MAHE-4990 Health Promotion Internship	3
PYCH-1600 General Psychology	3
SOC-3710 Family and Society	3

The **multi-age health education** minor prepares students to teach health in Christian or public schools in grades pre-K to 12. The Ohio teaching license, through reciprocal agreements, is automatically recognized in 42 states. For additional information about teaching in other states, see the Department of Education section of this catalog. Because this program of study is not a major, students interested in health education must select an additional subject area as a major.

Course requirements involve 64 semester hours including:

<i>Health Education</i>	28
ESS-1400 First Aid and Safety Education	2
ESS-3890 Human Anatomy and Physiology for the Physical	

Educator	5
MAHE-1000 Introduction to the Health Profession	1
MAHE-1350 Foundations of Health Education	2
MAHE-2100 Personal Health Issues	3
MAHE-3030 Nutrition for Health and Weight Control	2
MAHE-3070 Current Issues in Health	1
MAHE-3100 Drug Education	3
MAHE-3130 School Health Program	3
MAHE-3500 Community Health Concepts	2
PEF-1990 Physical Activity and the Christian Life	1
PYCH-2600 Human Development: Lifespan	3
<i>Professional Education</i>	36
EDSP-2000 Teaching Children with Exceptionalities	2
EDSP-2050 Special Education Field Experience	1
EDUC-1000 The Education Profession	1
EDUC-1050 Contemporary Christian Schools	0
EDUC-2000 Introduction to Teaching	2
EDUC-2100 Technology in the Classroom	2
EDUC-2200 Multicultural Field Experience	1
EDUC-2500 Educational Psychology	3
EDUC-4000 Reading in the Content Area: Multi-Age	3
EDUC-4500 Philosophy of Education	2
EDUC-4900 Student Teaching and Seminar: Multi-Age	10
MAHE-4400 Health Education In-Service	0
MAHE-4610 Teaching Health	5
MAHE-4960 Field Experience in Health	4

Course Descriptions

General Education

PEF-1990 **Physical Activity and the Christian Life**—Fa,Sp,Su **1 hour**

Study of the role of physical activity in the Christian life from a scriptural, physiological, and psycho-sociological perspective. Emphasis is placed upon developing and continuing active, healthy, Christian life practices.

Activity Courses

PEAF-1110 Personal Exercise Program: Men **1 hour**
and PEAF-1290 Personal Exercise Program: Women **1 hour**

The personal exercise program courses are individually developed to meet the unique activity needs of students with physical disabilities or conditions that preclude them from being safely or effectively involved in physical education activity courses. *Departmental approval is required.*

PEA_-1240 through PEA_-2100 Courses **1-2 hours each**

Each course is designed to develop knowledge and skills in the respective activity area. Course requirements include examinations covering the activity subject, skills tests, class participation, and aerobic requirements. Grading options include letter grades or credit/no credit. These courses may be used by non-majors to satisfy the physical education component of the General Education Requirements and by majors to satisfy specific curricular requirements.

PEAE-1240 Self Defense: Women —Fa,Sp	1 hour
PEAE-1300 Contemporary Aerobics: Women —Fa,Sp	1 hour
PEAE-1320 Aquaerobics: Women (Fee: \$60)—Fa,Sp	1 hour
PEAE-1400 Weight Training: Coed —Fa,Sp	1 hour
PEAI-1430 Badminton: Coed —Fa,Sp	1 hour
PEAI-1460 Bowling: Coed (Fee: \$15)—Fa,Sp	1 hour
PEAI-1540 Golf: Coed (Fee: \$15)—Fa	1 hour
PEAI-1550 Intermediate Golf: Coed (Fee: \$15)—Fa	1 hour
PEAI-1600 Racquetball: Coed (Fee: \$15)—Fa,Sp	1 hour
PEAI-1770 Tennis: Coed —Fa,Sp,Su	1 hour
PEAI-1780 Advanced Tennis: Coed	1 hour

Exercise and Sport Science

School of Health and Human Performance

PEAL-1420 Backpacking: Coed (Fee: \$30)–Fa,Sp **1 hour**
PEAL-1510 Cycling: Coed–Fa **1 hour**
PEAL-1610 Rock Climbing: Coed **1 hour**
PEAR-2100 Rhythmics: Coed–Fa **1 hour**
PEAS-1120 Tumbling: Coed–Sp **1 hour**
PEAS-1130 Apparatus: Men–Sp **1 hour**
PEAS-1140 Apparatus: Women–Sp **1 hour**
PEAT-1020 Basketball: Coed–Fa,Sp **1 hour**
PEAT-1050 Soccer: Coed–Fa,Sp **1 hour**
PEAT-1820 Volleyball: Coed–Fa,Sp **1 hour**
PEAT-1830 Advanced Volleyball: Coed **1 hour**

ously using front crawl, breast stroke, and side stroke; surface dive and submerge to a minimum depth of seven feet, retrieve a 10 pound object and return with it to the surface; tread water for two minutes using legs only. (Fee: \$120)
PEAS-1750 Water Safety Instructor: Coed–Sp **2 hours**
 This course prepares, equips, and certifies individuals in American Red Cross swimming and water safety with the purpose of teaching water exploration, primary skills, stroke readiness, stroke refinement, skill proficiency, advanced skills, basic water safety, emergency water safety, and water safety instructor aide. (Fee: \$135) (even years)

PEAS-1700 Swimming I: Coed–Fa **1 hour**
 Designed for nonswimmers or swimmers with minimal swimming background; introduces and develops three strokes: front crawl, back crawl, and elementary back. (Fee: \$35)

PEAS-1720 Swimming II: Coed–Fa **1 hour**
 Focuses on refining the front crawl, back crawl, elementary backstroke, side stroke, and breast stroke. Emphasis on increased endurance and conditioning level. *Prerequisites:* PEAS-1700 *Swimming I*; American Red Cross Level IV certificate. (Fee: \$35)

PEAS-1730 Swimming III: Coed–Sp **1 hour**
 Designed for swimmers who have gained experience through lessons or competitive swimming. Course develops stroke proficiency for all strokes including the butterfly. Includes an introduction to training regimen for lifetime fitness. (Fee: \$35)

PEAS-1740 Lifeguarding Today: Coed–Sp **2 hours**
 Provides lifeguards and lifeguard candidates with skills and knowledge necessary to keep the patron of an aquatic facility safe in and around the water. Teaching of lifeguarding skills and knowledge needed to prevent and respond to aquatic emergencies, preparing candidates to recognize emergencies, respond quickly and effectively to emergencies, and prevent drownings and other incidents. *Prerequisite:* age 15; swim 500 yards continu-

Athletic Training
ATRN-1550 Basic Athletic Training–Sp **5 hours**

An overview of the allied health profession known as athletic training. This course focuses on prevention, management, and rehabilitation of sport-related injuries. Relevant topics include physical conditioning, evaluation, injury cycle, and superficial modalities. (Fee: \$50)

ATRN-2560 Lower Body Injury Management–Fa **5 hours**
 Comprehensive evaluation, management, and initial rehabilitation of athletic injuries involving the lower portion of the human body. *Prerequisites:* ATRN-1550 *Basic Athletic Training*; BIO-2010 *Human Anatomy and Physiology*. (Fee: \$35)

ATRN-2570 Upper Body Injury Management–Sp **5 hours**
 Comprehensive evaluation, management, and initial rehabilitation of athletic injuries involving the upper portion of the human body. *Prerequisites:* ATRN-1550 *Basic Athletic Training*; BIO-2010 *Human Anatomy and Physiology*. (Fee: \$35)

ATRN-2650 Therapeutic Exercise for Athletic Injuries–Sp **2 hours**
 Management of athletic injuries from the subacute phase through return to participation. Based on principles of biomechanics with emphasis on strength, flexibility, proprioception, endurance, and agility.



Ray Slagle, Assistant Professor of Exercise and Sport Science, guided the Yellow Jackets to win the 2003 American Midwest Conference championship and qualify for NAIA Nationals.

Exercise and Sport Science

School of Health and Human Performance

ATRN-2900 Sports Medicine Clinic—Fa,Sp 0 hours

Designed to expose the student to the sports medicine clinic. Students will spend a minimum of 25 hours in an appropriate sports medicine clinic to view first hand the role of the certified athletic trainer in this employment setting. *Prerequisites:* ATRN-1550 *Basic Athletic Training*; and permission from the director of athletic training. Credit/no credit.

ATRN-3550 2 hours

Organization and Administration in Athletic Training—Fa

Management of the athletic training program and facility at all levels of sport. Topics include budgets, policies, design, record keeping, and legal aspects of athletic training.

ATRN-3660 Modalities in Athletic Training—Fa 3 hours

Overview of the modalities used in athletic training including thermal agents, electrical agents, and mechanical modalities. *Prerequisite:* ATRN-1550 *Basic Athletic Training* or permission of the instructor. (Fee: \$35)

ATRN-3910 2 hours

Supervised Experience in Athletic Training—Athletic Training Facilities—Sp

Practicum course which allows the student to demonstrate mastery of clinical proficiency by applying course content to the actual practice of athletic training. Students will be assigned to the athletic training facility and assist the athletic training staff in providing services. *Prerequisites:* ATRN-2560 *Lower Body Injury Management*; and ATRN-2570 *Upper Body Injury Management*.

ATRN-3920 2 hours

Supervised Experience in Athletic Training—Upper Body—Sp

Practicum course which allows the student to demonstrate mastery of clinical proficiency by applying course content to the actual practice of athletic training. Students will be assigned to a varsity team and assist the athletic training staff in providing services. *Prerequisites:* ATRN-2560 *Lower Body Injury Management*; and ATRN-2570 *Upper Body Injury Management*.

ATRN-3930 2 hours

Supervised Experience in Athletic Training—Lower Body—Fa

Practicum course which allows the student to demonstrate mastery of clinical proficiency by applying course content to the actual practice of athletic training. Students will be assigned to a varsity team and assist the athletic training staff in providing services. *Prerequisites:* ATRN-2560 *Lower Body Injury Management*; and ATRN-2570 *Upper Body Injury Management*.

ATRN-4560 Medical Aspects of Athletic Training—Fa 2 hours

Focuses on medical issues related to athletic training including but not limited to conditions of the cardiovascular, respiratory, digestive, and urinary systems.

ATRN-4610 Issues in Athletic Training—Sp 1 hour

Study of the current significant issues in athletic training with an emphasis on legal/ethical issues and professional development.

ATRN-4850 1-3 hours

Independent Study in Athletic Training—Fa,Sp

Independent study in athletic training by students pursuing the athletic training major. *Departmental approval is required.*

ATRN-4940 2 hours

Supervised Experience in Athletic Training—Football—Fa

Students will spend at least 200 hours working with a certified athletic trainer during preseason and regular season football. Assignment may be at the collegiate or high school level. Students are responsible for their own transportation. Assignments begin in early to mid-August. Students will also meet on campus weekly to demonstrate mastery of clinical proficiencies associated with equipment intensive sports and collision trauma. *Prerequisites:* ATRN-3920 *SEAT-Upper Body*; ATRN-3930 *SEAT-Lower Body*. (Fee: \$35)

Coaching

CCHG-3670 Fundamentals of Coaching—Fa 3 hours

Overview of the philosophy, psychology, organization, and general responsibilities of an athletic coach. Knowledge of motor learning and development and an overview of the organizational fundamentals of coaching for all the major sports. (even years)

CCHG-3680 Scientific Basis of Coaching—Fa 2 hours

Practical study of physiological and kinesiological principles of training and their application to various sports. (odd years)

CCHG-3700 through CCHG-3760 Coaching 2 hours each

Organization, skills, techniques, and strategies of the following sports:

CCHG-3700 Coaching Volleyball—Sp (even years)

CCHG-3720 Coaching Basketball—Fa (odd years)

CCHG-3730 Coaching Track and Field

and Cross Country—Sp (odd years)

CCHG-3740 Coaching Softball and Baseball—Fa (even years)

CCHG-3760 Coaching Soccer—Sp (odd years)

CCHG-4950 Internship in Coaching—Fa,Sp 3 hours

Field experience at the University or a nearby high school involving actual coaching experience for a minimum of 100 hours. *Departmental approval is required.* Credit/no credit.

Education

ESED-2900 2 hours

Health and Movement Education for the Young Child—Fa,Sp

An investigation of current trends, methods of instruction, and curriculum design in health and physical education for early childhood classrooms, including review of appropriate Ohio models. Emphasis is given to the importance of nutrition, safety, and movement education for the young child including a look at basic nutritional, health, and safety management, especially in relationship to childhood illnesses and communicable diseases. *Prerequisite:* EDUC-1000 *The Education Profession*.

Exercise and Sport Science

ESS-1350 2 hours

Foundations of Exercise and Sport Science—Sp

Orientation to the history, philosophy, and scope of modern exercise and sport science from a theistic perspective.

ESS-1400 First Aid and Safety Education—Fa,Sp 2 hours

American Red Cross Standard First Aid and C.P.R. certificate may be granted at the end of the course. (Fee: \$30)

ESS-1550 Athletic Training Essentials—Sp 2 hours

Principles of prevention, recognition, management, and rehabilitation of athletic injuries are presented for the student anticipating professional employment as a supervisor of individuals engaged in recreation and sport activities. (Fee: \$35)

ESS-2380 Motor Learning and Development—Sp 3 hours

A study of the stages in motor development and the factors affecting the acquisition of motor skills and learning as it relates to motor skill acquisition. The course provides cognitive and psychomotor knowledge of fundamental locomotor, non-locomotor, and manipulative motor skills.

ESS-3800 Sport Psychology—Sp 2 hours

Surveys the concepts and issues related to the human psyche in the context of sport and from a biblical perspective.

Prerequisite: PSYCH-1600 *General Psychology*, junior status, or permission of instructor.

ESS-3890 5 hours

Human Anatomy and Physiology for the Physical Educator—Fa

This course is designed to be a study of the structure and function of the human body from a Christian theistic perspective with particular emphasis on applications and understanding for physical educators. *Prerequisite:* BIO-1000 *Principles of Biology*.

Exercise and Sport Science

School of Health and Human Performance

ESS-3900 Physiology of Exercise–Sp 3 hours

A study of the physiological processes of the body and how they are affected by and adapt to varying exercise conditions. *Prerequisite: BIO-2010 Human Anatomy and Physiology; or ESS-3890 Human Anatomy and Physiology for the Physical Educator.*

ESS-3920 Biomechanics–Fa 2 hours

Application of the facts and principles of basic physics to body movement, sports performance, and teaching of physical education skills. *Prerequisite: GMTH-1020 College Algebra.*

ESS-3940 Structural Kinesiology–Fa 1 hour

Practical application of anatomy to physical education.

ESS-4600 Research in Athletic Training and Exercise Science–Fa 2 hours

Designed to develop an appreciation for the importance of and need for quality research in athletic training and/or exercise science. Orientation to methods and procedures utilized, emphasizing basic principles of conducting research, and for interpreting and critically reviewing articles representative of the athletic training/exercise science domains. Capstone course for Athletic Training major.

ESS-4900 Physical Education Senior Seminar–Fa,Sp 1 hour each

A study of current issues in physical education and the implications of physical education and sport on society. Students will also study sport law and methods of research and evaluation. Students register for one hour each semester of their senior year. Capstone course.

Exercise and Sport Science Electives

ESSE-2100 Wilderness Ministry–Su 3 hours

Preparation for and participation in a backpacking trip provides the backdrop for addressing the purpose, benefits, and effective use of the wilderness backpacking experience for maximum spiritual impact on both individuals and groups. Credit/no credit. *If prior arrangements are made for fulfilling the activity requirement, this course can fulfill the Physical Education General Education activity course requirement.* (Fee: \$340)

ESSE-2300 through ESSE-2320 Sports Officiating 2 hours

Lectures, reading, class discussions, and field experiences in officiating. Ohio High School Athletic Association certification may be earned in selected sports.

ESSE-2300 Basketball Officiating

ESSE-2310 Volleyball Officiating

ESSE-2320 Track and Field Officiating

ESSE-2810 Introduction to Camping–Sp 2 hours

The development and scope of camping including philosophies of centralized and decentralized camping, standards, administration, and basic campcraft skills. Special arrangement only. *This course does not fulfill the Physical Education General Education activity course requirement or the Outdoor Leisure requirement of the physical education major.* (Fee: \$40) (even years)

ESSE-2830 Recreational Leadership–Sp 2 hours

Survey of the recreational aspects of games and activities from a noncompetitive perspective. Small and large group activities are planned, such as new games and challenge initiatives to enhance individual and group development and recognize group process and dynamics. Practical work in planning, implementing, and evaluating recreational programs for all ages in schools, youth group outings, Bible clubs, and camps are provided. (odd years)

Exercise Science

EXSC-2000 Worksite Observation–Fa,Sp,Su 0 hours

Students are required to arrange a field experience for five consecutive full days (minimum of 30 contact hours) in an exercise science work setting approved by their advisor where they can observe and participate in exercise science worksite

activities. *Departmental approval and a follow-up report are required.* Credit/no credit.

EXSC-3000 Exercise Science Practicum–Fa,Sp 1 hour

This practicum is a minimum of 30 contact hours assisting or instructing in group aerobics, muscle strength conditioning instruction and workout supervision, muscle toning instruction and workout supervision, or person training. *Departmental approval is required.* Credit/no credit.

EXSC-3860 Basic Exercise Testing–Fa 3 hours

This course will present guidelines and procedures for basic exercise and fitness testing. Students will develop knowledge and skill competencies in medical/health screening and anthropometry, as well as develop lifestyle, body composition, musculoskeletal, metabolic, and resting and exercise cardiorespiratory assessments in the apparently healthy population. *Prerequisites: BIO-2010 Human Anatomy and Physiology; or ESS-3890 Human Anatomy and Physiology for the Physical Educator; and GMTH-1020 College Algebra.* (Fee: \$15)

EXSC-3870 Basic Exercise Prescription–Sp 3 hours

This course enables the student to develop the knowledge, skills, and attitudes necessary to design a regimen of physical activity in a systematic and individualized manner, using the components of frequency, duration, intensity, mode, and progression, for apparently healthy individuals. (Fee: \$15)

EXSC-4180 Legal Issues in Exercise and Sport Science–Sp 3 hours

This course helps the student develop a knowledge of the legal system and the legal principles that have broad application to exercise testing, prescription, and leadership so that as exercise professionals they can develop and implement policies and procedures to help reduce legal risks and enhance the safety and efficacy of the experience of the client. *Prerequisite: senior academic status.*

EXSC-4810 Organization and Administration of Exercise Science–Fa 3 hours

This course is designed to provide the knowledge and begin to develop the skills and abilities necessary to organize, administer, manage, promote, and deliver quality health/fitness programs effectively, safely, and efficiently, meeting the needs and desires of both the client and the employer. *Prerequisites: ESS-1350 Foundations of Exercise and Sport Science; EXSC-2000 Worksite Observation; EXSC-3860 Basic Exercise Testing; and EXSC-3870 Basic Exercise Prescription.*

EXSC-4850 Independent Study in Exercise Science–Fa,Sp 1-3 hours

Independent study in the area of exercise science by students pursuing the exercise science major. *Departmental approval is required.*



Field experiences provide students an opportunity to develop skills for teaching children of all ages and abilities.

Exercise and Sport Science

School of Health and Human Performance

EXSC-4880 3 hours Exercise Testing and Prescription for Special Populations—Fa

This course will prepare exercise science students to do exercise testing and prescriptions for individuals who are either acutely or chronically distinct from the “apparently not at risk” adult population. These include individuals who are children, elderly, or pregnant, as well as those who have acute or chronic illness or disease conditions which might affect the testing protocol or details of the exercise prescription. *Prerequisites:* ESS-1350 Foundations of Exercise and Sport Science; EXSC-2000 Worksite Observation; EXSC-3860 Basic Exercise Testing; and EXSC-3870 Basic Exercise Prescription. (Fee: \$15)

EXSC-4990 Internship in Exercise Science—Fa,Sp 6 hours

This is an actual work experience in an exercise science setting for 40 hours per week for a minimum of five weeks. Capstone course for Exercise Science major. *Departmental approval is required.* Credit/no credit. (Fee: \$25)

Multi-Age Health Education

MAHE-1000 1 hour

Introduction to the Health Profession—Fa

Introductory course for students planning career involvement in health and health-related professions. The students will be introduced to health careers by providing descriptions of jobs, the educational and legal requirements, the work environment, and additional information about specific fields.

MAHE-1350 Foundations of Health Education—Sp 2 hours

Orientation to the history, philosophy, and scope of modern health education from a theistic perspective.

MAHE-2100 Personal Health Issues—Sp 3 hours

This course will explore various health topics, including but not limited to emotional and mental well being, gerontological health issues, and death and dying. Course content may be revised to reflect changing health needs and priorities.

MAHE-3030 2 hours

Nutrition for Health & Weight Control—Fa

A study of the science of nutrition, together with the study of eating habit formation and modification for optimal wellness, presented from a Christian perspective.

MAHE-3070 Current Issues in Health—Sp 1 hour

Designed to explore, from a Christian perspective, health-related issues that challenge our society. This course recognizes the reality that there are “no easy answers” as ethics, technology, and economics merge to generate new dilemmas of increasing complexity every day.

MAHE-3100 Drug Education—Sp 3 hours

Students will investigate the physical, social, emotional, intellectual, and spiritual factors influencing consumer health behavior with specific application to use/misuse of dietary supplements and herbal preparations, prescription drugs, over-the-counter drugs, alcohol, stimulants, opiates, hallucinogens, and steroids.

MAHE-3130 School Health Program—Sp 3 hours

Analysis of the scope of the school health program including health services, healthful school living, and health instruction.

MAHE-3500 Community Health Concepts—Fa 2 hours

Analysis of current community health problems and how solutions can be achieved in and through existing community health programs.

MAHE-4400 Health Education In-Service—Fa,Sp 0 hours

Students are required to organize and conduct a health fair or make a presentation on a health-related issue to other health professionals, parents, faculty, or school personnel at the site of their student teaching experience or on campus to faculty, staff, and students. Students will prepare the information and materials for the health fair and/or presentation as part of the course Community Health Concepts. *Departmental approval is re-*

quired. Prerequisite: MAHE-3500 Community Health Concepts. Credit/no credit.

MAHE-4610 Teaching Health—Fa 5 hours

This course provides methods of instruction with emphasis on the teacher’s role in comprehensive school health education including an introduction to the health status of youth, at-risk students, objectives for A Healthy People 2010, components of comprehensive school health education, the role of the teacher in school health services, special health concerns of today’s preschool children through post-secondary youth, as well as curriculum development, behavioral objectives, life skills, scope and sequence of learning, teaching strategies, philosophy of wellness, and responsible decision making. *Prerequisite: admission to the teacher education program.*

MAHE-4850 1-3 hours

Independent Study in Health Education—Fa,Sp

Independent study in the area of health education by students pursuing multi-age health education teaching licensure or a health promotion minor. *Departmental approval is required.*

MAHE-4960 Field Experience in Health Education—Fa,Sp 4 hours

An eight-week field experience including the teaching of health. *Prerequisite: admission to the teacher education program.*

Credit/no credit. (Fee: \$35)

MAHE-4990 Internship in Health Promotion—Fa,Sp 3 hours

This is an actual work experience in a health promotion setting for a minimum of 10 hours per week for a minimum of ten weeks. *Departmental approval is required.* Credit/no credit.

Multi-Age Physical Education

MAPE-1210 Team Sports—Fa 2 hours

Theory and practice in soccer, basketball, softball, baseball, volleyball, and novelty sports with attention given to various teaching methods, skills, and rules.

MAPE-2200 Individual and Dual Sports I—Fa 2 hours

Theory and practice in tennis, golf, archery, and bowling with attention to various teaching methods, skills, psychomotor skill development, and knowledge in rules, terminology, strategies, safety, and etiquette. (Fee: \$20)

MAPE-2210 Individual and Dual Sports II—Sp 2 hours

Theory and practice in badminton, racquetball, table tennis, and track and field with attention to various teaching methods, skills, psychomotor skill development, and knowledge in rules, terminology, strategies, safety, and etiquette. (Fee: \$15)

MAPE-3600 5 hours

Physical Education in the Elementary School—Sp

An overview of the place of physical education in the elementary school curriculum with an emphasis on the study of current program content design, teaching techniques, types of evaluations, as well as modifying activities for the purpose of inclusion for the physically challenged.

MAPE-4500 3 hours

Curriculum Development in Physical Education—Fa

Overview of the curriculum process in physical education specifically giving attention to the theoretical base, process of curriculum design, and curriculum development for elementary through high school educational programs.

MAPE-4850 1-3 hours

Independent Study in Physical Education—Fa,Sp

Independent study by major students of advanced standing toward the understanding and appreciation of problems in physical education. This course gives students an opportunity to develop skills in the use of literature and in the appropriate techniques of problem solving. *Departmental approval is required.*

MAPE-4950 Methods of Teaching Physical Education–Fa **3 hours**

This course provides the study of methods of instruction and practice and the study of planning and implementing units of instruction, as well as evaluating the effectiveness of various teaching strategies for teaching physical education at the secondary level. Also included is the study of understanding and developing assessment techniques in physical education and developing strategies for working with handicapped students.

Prerequisite: admission to the teacher education program.

MAPE-4960 Field Experience–Fa **4 hours**

An eight-week field experience taken in conjunction with MAPE-4950 Methods of Teaching Physical Education. *Prerequisite: admission to the teacher education program.* Credit/no credit.

(Fee: \$35)

MAPE-4970 Field Experience in Physical Education–Special Populations–Fa,Sp **2 hours**

A five-week adapted physical education teaching field experience taken in conjunction with EDSE-4900 Student Teaching and Seminar: Adolescent/Young Adult that seeks to provide the opportunity for application of adapted physical education content and theory studied in MAPE-3600 Physical Education in the Elementary School and MAPE-4950 Methods of Teaching Physical Education. *Prerequisites: admission to the teacher education program, MAPE-4950 Methods of Teaching Physical Education; and MAPE-4960 Field Experience.* (Fee: \$35)

Prerequisites: admission to the teacher education program, MAPE-4950 Methods of Teaching Physical Education; and MAPE-4960 Field Experience. (Fee: \$35)

Sport Management

SMGT-1000 Sport Management Practicum–Fa,Sp **1 hour**

An on-campus sport management opportunity for students in the sport management major to be involved in a variety of activities compatible with athletic and recreational sporting events and experiences. A minimum of 30 hours is required for each practicum. *Prerequisites: SMGT-1350 Introduction to Sport Management; and departmental approval.* Credit/no credit.

SMGT-1350 Introduction to Sport Management–Sp **3 hours**

This course is designed to introduce the student to the dynamic nature of sport management and the potential for successful and satisfying career opportunities.

SMGT-3180 Legal Issues in the Sport Industry–Sp **3 hours**

This course will focus on the three major areas of law that have a direct impact on the management of sport: tort liability and risk management, contract law, and constitutional law.

SMGT-3610 Marketing in the Sport Industry–Sp **3 hours**

This course will present the following concepts of sport marketing: definition of sport marketing and unique characteristics, the marketing management process, and identification and analysis of consumers.

SMGT-3810 Organization and Administration of Sports and Athletics–Fa **3 hours**

Study of current issues, management techniques, and programming concepts as utilized in the administration of athletics, intramurals, and recreational sports.

SMGT-4660 Promotion and Public Relations in the Sport Industry–Fa **3 hours**

A study of the various ways to promote sport to the public in a professional and ethical manner.

SMGT-4850 Independent Study in Sport Management–Fa,Sp **1-3 hours**

Independent study in the area of sport management by students pursuing the sport management major. *Departmental approval is required.*

SMGT-4990 Internship in Sport Management–Fa,Sp **12 hours**

This is an actual work experience in a sport management setting for a minimum of 40 hours per week for a minimum of twelve weeks. Capstone course for sport management major. *Departmental approval is required.* Credit/no credit. (Fee: \$35)



Students gain experience by applying their athletic training knowledge to real-life injury.



Students benefit from instruction by faculty members who share practical principles from their own teaching careers.