



The Kinesiology Bulletin
Revised as of September 2004

Statement of Program Requirements

The September 2004 Bulletin sets forth the degree requirements for students first enrolled in the 2004-2005 academic year. Students, please note that you have the following options:

- You may choose to comply with the degree requirements detailed in the Bulletin that is published the first semester of your academic year; or,
- You may choose to comply with the degree requirements that are published at the time of your graduation.

Exception: *Transfer students admitted to Kinesiology for fall 2003 or winter 2004 and majoring in Sport Management will follow the requirements of the Sport Management and Communications BA program. Transfer students admitted to Kinesiology after winter 2004 will follow the requirements of the Sport Management BA program, which requires a secondary application process. See the Sport Management section of the Bulletin for details.*

Readmitted Students: If you have been readmitted to a Kinesiology program, you must verify the requirements for your degree with the Office of Student Services. You should make an appointment with your student advisor as soon as possible.

An Important Note to all Students: You are responsible for understanding and meeting the degree requirements. If you have questions, please make an appointment with your student advisor in the Kinesiology Office of Student Services.

Bulletins from previous years are stored at the Bentley Historical Library. For more information go to <http://www.umich.edu/~bhl/>

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Introduction

The modern study of Kinesiology bears little resemblance to the beginnings of the field over a hundred years ago. Modern kinesiologists study a wide variety of biological and social science concepts as they apply to the causes and consequences of human movement. The study of movement might involve the study of biochemistry, psychology, neurophysiology, sociology, dynamic systems of movement, business, and marketing concepts, or the mechanics of motion.

While physical education, our historical beginning, concentrated on the movement of school-age students and athletes, modern Kinesiology studies and intervenes in the lives of people from birth to old age.

The Academic Programs

Kinesiology students complete a minimum of 120 credit hours, with over half of the credits from offerings outside of Kinesiology. Students receiving teacher certification earn 130 credit hours. Students who do not declare an intended academic plan/major upon admission are encouraged to do so by the end of the second year. The Division's four programs of study are: Athletic Training, Movement Science, Physical Education, and Sport Management and Communication.

Athletic Training, leading to a Bachelor of Science (B.S.) degree, includes courses in the clinical evaluation, rehabilitation, and prevention and care of athletic injuries. Students take anatomy and physiology, therapeutic modalities, and various courses related to health, nutrition, exercise, and rehabilitation. A comprehensive clinical experience (minimum 1500 hours) working with several of U-M's 23 varsity sport teams, rounds out the academic program. This meets the requirements for taking the National Athletic Trainers Association (NATA) exam after graduation. Admission to athletic training is selective. Students begin the admissions process in the second term of their first year by electing AT 260.

Certified athletic trainers work with teams at the high school and college level, in major and minor league sports, in business and industry, and in sports medicine clinics.

Movement Science, leading to a Bachelor of Science (B.S.) degree, focuses on the body mechanisms that regulate movement from a physiological, biomechanical, and motor control perspective. The curriculum combines courses in anatomy, mathematics, physics, exercise physiology, biomechanics, exercise and nutrition, motor learning and development and psychology. Students also complete general electives in humanities, natural science, and social science. The Movement Science specialization leads to careers in such areas as cardiac rehabilitation, corporate wellness programs, and biomedical research. Movement Science also provides a solid foundation for the Master's Degree in Kinesiology or other graduate programs, including occupational therapy, physical therapy, and medical school.

Physical Education specialization leads to a Bachelor of Science (B.S.) degree with K-12 teacher certification, preparing students for positions in teaching and coaching. The curriculum includes biomechanics, motor learning, applied human anatomy and physiology, teaching

methods, and skill courses. Students complete 12 credits of natural science and 9 credits of social science and humanities, along with School of Education required courses such as Educational Psychology and Education in a Multicultural Society. The program culminates in a directed teaching experience.

Sport Management, leading to a bachelor of arts (B.A.) degree, includes courses in sport administration, sport business, sport and the media, legal aspects of sport administration, along with general electives in humanities, natural science, and social science. It may lead to a career in facility management, sport marketing, sports broadcasting, or recreation program management. The Sport Management undergraduate program provides a foundation for graduate studies in Sport Management, as well as business or law school.

The Faculty

Kinesiology employs approximately 25 full-time and a number of part-time faculties, many of who are nationally known leaders in their field. Kinesiology students are assigned a faculty advisor in their concentration, but are also encouraged to get acquainted with faculty who share their professional interests. Faculty teaching and research interests include:

- Biomechanics
- Motor control
- Youth fitness
- Athletic training
- Sport psychology
- Worksite wellness
- HIV/AIDS education
- Prevention of heart disease
- Exercise, nutrition and weight control
- Exercise motivation and adherence
- Motor development in infants
- Limb movement and postural control
- Physical education teaching methods
- Legal aspects of sports administration
- Societal issues related to race, culture and sports
- Neuroendocrine control of exercise and growth

Many faculty are involved in collaborative research projects with colleagues in the Medical School, the Business School, the College of Engineering, the School of Nursing, the Institute of Gerontology, the School of Public Health, the School of Education, and the College of Literature, Science and the Arts. They are active in a wide range of state, national, and international professional organizations.

Research Laboratories

Several Kinesiology faculty members direct laboratories that offer undergraduate and graduate students an opportunity to gain research experience:

The Exercise Endocrinology Laboratory, directed by Dr. Borer, offers laboratory and clinical experiences to students interested in the interactions of exercise and nutrition on the effects of exercise on energy regulation and hormone secretion in humans.

The Laboratory of Molecular Kinesiology, directed by Dr. Boluyt, conducts studies of the effects of exercise, aging, and disease on the heart employing the techniques of Molecular Biology.

Dr. Horowitz directs the **Substrate Metabolism Laboratory**. His research focuses on factors regulating the metabolism of fat, carbohydrate, and protein and how alterations in metabolism impact chronic diseases such as diabetes, cardiovascular disease, and other obesity related metabolic complications.

Directed by Dr. Brown, the **Motor Control Laboratory** focuses on sensorimotor control of upper limb movements across the life span and in a variety of movement disorder conditions.

The mission of the **Health Management Research Center**, directed by Dr. D.W. Edington, is to study life-style behaviors and how they influence one's health, quality of life, vitality, and health care utilization throughout a lifetime.

The **Center for Motor Behavior in Down Syndrome** directed by Dr. Dale Ulrich, with Dr. Angulo-Barroso, Director of Research, and Dr. Beverly Ulrich, Researcher, and describes complexity as the dynamic interactions of biological and psychological factors that contribute to the overall quality of the individual's motor behavior. As the Center learns more about the relevant factors that may alter behavior, this information is used to design and test interventions to improve the quality of functioning in people with Down syndrome.

The Media Research Lab, directed by Dr. Watkins, provides students with opportunities to study decision-making processes in sport and media industries. Students may also learn theory and practice of video editing and post-production.

Research in the Center for Sport Management, directed by Dr. Wolfe, assesses the effectiveness of processes and outcomes related to various types of organizations in the sport industry.

Dr. Chen's **Curriculum Instruction** lab focuses on investigating implementation of the NASPE content standards at elementary and secondary levels, constructivist, and interdisciplinary teaching approaches to facilitating students to achieve desired learning outcomes, and preparation of pre-service teachers for meeting the beginning teacher standards

Research in the **Movement Dynamics Laboratory**, directed by Dr. Gross, focuses on the biomechanics of expressive movement and functional ability in mid-life women.

The **Human Neuromechanics Laboratory**, directed by Dr. Ferris, focuses on how the nervous and musculoskeletal systems interact to produce coordinated movement. Most research projects in the lab examine the biomechanics and control of locomotion, from both basic science and applied rehabilitation perspectives.

The **Muscle Biology Laboratory**, directed by Dr. Cartee, focuses on the influence of exercise and diet on skeletal muscle, especially as related to glucose metabolism and insulin signaling and action.

The **Neuromotor Behavior Laboratory**, directed by Dr. Seidler, studies how motor performance becomes more efficient and skilled as a result of practice. Functional brain imaging is utilized to examine the neural networks contributing to motor performance both in the early and late stages of learning.

The **Neuromuscular Research Laboratory**, directed by Dr. Palmieri, focuses on the neuromuscular consequences of joint injury. Most research projects conducted in the lab examine how knee and ankle injury influence muscle activation, neuromuscular control, and lower extremity mechanics.

Students are encouraged to contact individual faculty members and explore opportunities for research collaboration and independent study.

Special Departments within Kinesiology



When the University Regents abolished Physical Education as a graduation requirement in 1970, enrollment dropped and the elective PE program was discontinued. The fitness oriented Adult Lifestyle Program (forerunner to U-Move Fitness) was created to fill that void. The ALP offered various aerobic exercise, dance, and aquatics classes. In 1996, the ALP was renamed U-Move, and in 1999, the name was modified to U-Move Fitness. U-Move Fitness currently offers over 150 classes in such diverse areas as Taekwondo, Step Aerobics, Yoga, Tennis, and Aquatics to over 5000 students, faculty, staff, and members of the community.



KidSport teaches sports, games, swimming, safety and other activities to 5-12 year olds. KidSport II is a sports specific camp teaching 8-12 year olds how to play baseball/softball and soccer. The non-profit U-Go Girls teaches elementary aged girls about the benefits of participating in sports. Participants learn fundamentals of soccer, basketball, and softball.



The Kinesiology Aquatics Camp (KAC) allows participants to earn American Red Cross aquatics, first aid and safety certifications during the spring semester. Kinesiology students have the opportunity to apply what they learn in the classroom to real life practical applications through U-Move Fitness, KidSport summer day camp, U-Go Girls, and the Kinesiology Aquatics Camp. Contact 734-764-1342, u-move@umich.edu, www.umich.edu/~umove for more information.

The Office of Student Services

The Office of Student Services (OSS) offers students a full range of services including admissions assistance, orientation, course selection, and advising and counseling around academic issues. Counselors also provide information, assistance, and referrals with nonacademic matters such as residency requirements, housing and financial aid. OSS has primary responsibility for orientation and commencement, and acts as a clearinghouse for information about University policies and procedures. Career counseling is an important part of Kinesiology's commitment to its students. In the Career Resource Center information is available on both jobs and internships offered by schools, hospitals, corporations and other organizations. An intern may earn credit, stipend, salary or all of these depending upon arrangements with the employer and the Office of Student Services. Some internships lead to full-time employment after graduation.

The Office of Student Services is adjacent to the Kinesiology reception area in 3745. Counselors are available by appointment or on a walk-in basis.

Development, Communications and Alumni Relations

Through its Annual Giving and Major Gifts programs, Kinesiology raises money for such initiatives as pilot research projects, classroom technology and student financial aid. The 21st Century Board, a group of Kinesiology parents and alumni, supports and guides these efforts. An Honor Roll of donors is published annually in Kinesiology's Movement magazine. Movement is distributed free to all Kinesiology students, parents and alumni as well as other U-M departments.

The Kinesiology Alumni Society was chartered in 1992 to support Kinesiology in its fund-raising efforts, to serve as a network for graduates, and to promote the professional and educational advancement of the field. All former students in Physical Education/Kinesiology are viewed as Alumni Society members. There are no dues. Each year the KAS board hosts the Alumni Reunion in the fall and the Honors Brunch in March, and presents the Kinesiology Alumni Achievement Awards.

Kinesiology Awards

The following Kinesiology awards, listed chronologically by year of establishment are named in honor of notable former faculty and Kinesiology graduates. Recipients are chosen by an awards committee and recognized at the Honors Brunch and Spring Commencement. In addition, students select an annual Teaching Excellence Award recipient.

The Paul A. Hunsicker Memorial Award honors the memory of Professor Paul Hunsicker, Chair of the Department of Physical Education for Men, 1958-70 and Director of the Department of Physical Education, 1970-76. The award recognizes graduate and undergraduate students who have demonstrated superior scholarship and professional zeal and promise.

Lucile M. Swift, BS '39, created The Lucile M. Swift Honor Award to financially assist an undergraduate and a graduate student in Kinesiology who demonstrates professional promise as well as financial need.

Professor Emeritus Ruth W. Harris initiated The Ruth W. Harris Merit Award upon her retirement in 1986 to recognize and financially assist outstanding doctoral-level graduate students.

The Stephen J. Galetti Award honors the first Chair of Kinesiology's Department of Sport Management who retired in 1988. It is presented to a first- or second-year student who shows exceptional industriousness and potential.

The Phyllis Ocker Scholarship is named for Assistant Professor Phyllis Ocker, Associate Director of Athletics for Women, 1978-90. It is presented to a female varsity athlete in Sport Management or Physical Education who has distinguished herself in academics and athletics.

The Laurie Campbell Award is presented to an outstanding woman majoring in Physical Education. It was established by former students of Dr. Campbell, who taught in the Department of Physical Education for Women from 1929-59, in honor of her 100th birthday July 18, 1994.

Friends of the late Stanley S. Kemp, BS '67, football official and business and civic leader established the Stan Kemp Scholarship in 1994. It is designated for a graduate and/or undergraduate student who displays Mr. Kemp's dedication, integrity, and idealism. Five \$1000 scholarships have been presented each year since the endowment was established.

The Phebe Martha Scott Achievement Award was established in 1996 by Virginia Crafts, a physical education teacher and administrator at Illinois State University, in honor of her friend and colleague, Phebe Martha Scott, a 1944 Physical Education graduate. Phebe Scott was coordinator of teacher education and a member of the graduate faculty at Ohio State University and professor and department chair at Illinois State University. She retired in 1987.

Kinesiology Faculty

Rosa M. Angulo Barroso, B.S., University of Barcelona; M.S., Ph.D., Indiana University. Associate Professor, Movement Science; Assistant Research Scientist, Center for Human Growth and Development

Katherine M. Babiak, B.A., B.P.H.E., Queen's University; M.A., University of Ottawa; Ph.D., University of British Columbia. Assistant Professor, Sport Management.

Jay Basten, B.A. Ed., M.S., Ph.D., University of Michigan. Lecturer, Sport Management.

Marvin O. Boluyt, B.S., Grand Valley State University; M.S., Ph.D., University of Michigan. Assistant Professor, Movement Science.

Katarina T. Borer, B.A., Ph.D., University of Pennsylvania. Professor, Movement Science.

Susan H. Brown, B. S., Acadia University; M.S., Ph.D., University of Western Ontario. Associate Professor, Movement Science; Associate Dean for Research; Arthur F. Thurnau Professor.

Gregory D. Cartee, B.A., University of Georgia, Athens; M.S., Florida State University, Tallahassee; Ph.D., University of Texas at Austin. Professor, Movement Science.

Weiyun Chen, B.S., M.S., Beijing University of Physical Education; Ph.D., University of Alabama, Tuscaloosa. Assistant Professor, Physical Education-Pedagogy

Brian Czajka, B.S., University of Toledo; M.S., Illinois State University. Lecturer, Athletic Training

Dee W. Edington, B.S., Michigan State University; M.S., Florida State University; Ph.D., Michigan State University. Professor, Movement Science; Research Scientist, School of Public Health; Director, Health Management Research Center.

Dan Ferris, B.S. University of Central Florida; M.S., University of Miami; Ph.D., University of California, Berkeley. Assistant Professor, Movement Science; Assistant Professor, Biomedical Engineering.

Thomas R. George, B.A., Northeastern State University; M.S., Miami University; Ph.D., Michigan State University. Clinical Assistant Professor, Sport Management.

Melissa Gross, B.A., University of Colorado; M.S., Ph.D., University of California, Los Angeles. Associate Professor, Movement Science; Assistant Research Scientist, Institute of Gerontology.

Jeff Horowitz, B.S., University of Iowa; M.A., Ph.D., University of Texas at Austin. Assistant Professor, Movement Science.

Victor L. Katch, B.A., California State University, Northridge; M.A., Ed.D. University of California-Berkeley. Professor, Movement Science.

Richard Luker, B.A., Concordia College; M.A., Ph.D., University of Michigan. Adjunct Associate Professor, Sport Management.

David Moore, B.A., University of the West Indies; M.B.A., Middle Tennessee State University; Ph.D., Indiana University, Bloomington. Associate Professor, Sport Management.

Riann Palmieri, B.S., California University of Pennsylvania; M.S., Indiana State University; Ph.D., University of Virginia. Assistant Professor, Director, Athletic Training Education Program

Rachael D. Seidler, B.S., University of Oregon, M.S., Ph.D., Arizona State University. Assistant Professor, Movement Science.

Beverly D. Ulrich, B.S., East Stroudsburg University; M.Ed., West Chester University; Ph.D., Michigan State University. Professor, Movement Science, and Dean of Kinesiology; Research Scientist, Center for Human Growth and Development.

Dale A. Ulrich, B.S., M.S., West Chester University of Pennsylvania; Ph.D., Michigan State University. Professor, Movement Science and Physical Education.

Patricia Van Volkinburg, B.S., Western Michigan University; M.S., University of Michigan. Clinical Assistant Professor, Physical Education; Academic Program Coordinator; Lecturer, School of Education.

Bruce A. Watkins, B.A., St. Cloud State University; M.A., Ph.D., University of Kansas. Associate Professor, Sport Management; Chair of the Graduate Committee.

Jason A. Winfree, B.S., M.S., Ph.D., Washington State University. Assistant Professor, Sport Management

Kerry E. B. Winkelseth, B.S., M.S., University of Michigan. Instructor, Physical Education; Director, KidSport, U Move Fitness and U-Meet the Athlete.

Richard Wolfe, B.A., Sir George Williams University; M.S., Pennsylvania State University, University of Michigan; Ph.D., University of Michigan. Associate Professor, Sport Management.

Emeritus Faculty

Donald B. Canham, B.S., M.A., University of Michigan. Professor Emeritus of Sport Management and Communication.

Joan E. Farrell, B.A., Lawrence University; M.S., Wellesley College; Ph.D., University of Michigan. Associate Professor Emerita of Kinesiology.

Stephen J. Galetti, B.S., Bowling Green State University; M.A., University of Michigan. Associate Professor Emeritus of Sport Management and Communication.

Rodney J. Grambeau, B.S., Eastern Michigan University, M.A., Ed.D. University of Michigan. Professor Emeritus of Sport Management and Communication.

Joyce I. Lindeman, B.S., Eastern Michigan University; M.A., University of Michigan. Associate Professor Emerita of Physical Education.

Ruth W. Harris, A.B., Brown University, M.S., Wellesley College; Ph.D., New York University. Professor Emerita of Kinesiology.

Newton C. Loken, B.S., University of Minnesota, M.A., Ed.D. University of Michigan. Professor Emeritus of Kinesiology.

Phyllis M. Ocker, B.S., University of Washington; M.S., Smith College. Assistant Professor Emerita of Sport Management and Communication.

Guy G. Reiff, B.S., University of Southern California; M.A., Colorado State University; Ph.D., University of Michigan. Professor Emeritus of Movement Science.

Glenn E. Schembechler, B.S., Miami University; M.S., Ohio State University. Assistant Professor Emeritus of Sport Management and Communication.

Kenneth G. Simmons, B.S., Michigan State University; M.S., University of Michigan. Assistant Professor Emeritus of Physical Education

Joseph E. Vaughn, B.S., Fisk University; M.A., Columbia University, D.P.E., Springfield College. Associate Professor Emeritus of Sport Management and Communication.

Phyllis S. Weikart, B.S., Beaver College; M.S., University of Michigan. Associate Professor Emerita of Physical Education.

Undergraduate Studies

History of the Undergraduate Program

The roots of undergraduate physical education at the University of Michigan reach back more than a century, with the Regents proposing a structured exercise program or “gymnastic work” in 1869 and the University Senate in 1870 recommending the establishment of a Department of Hygiene and Physical Culture. Regents Field was purchased and male sports teams were recognized by 1890, and with the completion of Waterman and Barbour Gymnasiums in 1894 and 1900, respectively, the men’s and women’s instructional programs got underway. Typical of the time, the courses included the taking of careful physical measurements, marching, and calisthenics. From 1898 until 1970, physical education was required for graduation, although academic credit was only available to those majoring in the degree program. Men and women

undergraduate physical education students remained separate throughout that 72-year time span. Like the graduate programs, they owed much of their stability and national prominence to Dr. Elmer Mitchell, who led the men's program from 1917 to 1958, and Dr. Margaret Bell, head of the women's program from 1925 to 1958.

Physical education instruction changed and evolved during the period. The rigidly structured Swedish gymnastics gave way to the more informal "natural program of activities" and finally to individualized instruction. In 1921, the Department of Physical Education was added to the School of Education, with the first degrees granted in 1925. During the decades between the World Wars, sports, exercise, dance, and physical activity all became integral parts of the educational system at Michigan as elsewhere in the country.

The student activist era of the 1960s saw resistance to many of the traditional U-M requirements, including physical education, as well as the separation of the men's and women's programs. In 1970, the two programs were merged, with Paul Hunsicker as chair. Teacher Education was then the only degree program in physical education and was located within the School of Education. Under D.W. Edington, appointed chair in 1976, the unit initiated the three separate areas of specialization: Teacher Education, Leisure Studies, and Exercise and Sports Science, leading to a Bachelor of Science degree. These three areas were reorganized in 1984 in response to new career options and on September 21, 1984, the Regents established the Division of Physical Education as a separately governed academic unit. In 1990 they approved the name change to the Division of Kinesiology.

Kinesiology now offers four Bachelor degree programs: Athletic Training, Movement Science, Sport Management, and Physical Education teacher certification. In July 1998, Beverly Ulrich was named as Dean of Kinesiology. Today, Kinesiology maintains its traditional offerings while remaining open to change—a balance that grows out of its long-standing commitment to all aspects of the study of movement.

Choosing a Program of Study

All undergraduate students in Kinesiology select one of four programs: Athletic Training, Movement Science, Physical Education, or Sport Management and Communication. Many students declare an interest in an academic plan at the time of enrollment, and all are encouraged to choose a program of study by the end of their second year.

Academic advising is viewed as an integral part of the educational process. All undergraduate Kinesiology students are assigned advisors. Although students are responsible for knowing and meeting requirements which appear in this Bulletin, students are strongly encouraged to consult with their faculty advisors and/or the Advising staff of the Office of Student Services each term to plan an individualized curriculum and monitor progress toward a degree. Beyond the approval of course elections, the relationship between advisor and student can be a valuable aspect of the educational experience.

Distribution Requirement

Students in Kinesiology must complete minimum hours in courses designated as Humanities (HU), Natural Science (NS), and Social Science (SS). Most of these courses will be taken in the University's College of Literature, Science, and the Arts. Students may consult either the LSA Bulletin (published yearly) or the University Course Guide (published on-line) to verify whether particular courses fulfill distribution requirements.

Courses with the designation **Excl**, **N. Excl**, and **Introductory Composition** may not be used to fulfill the distribution requirement unless an exception is noted below. Acceptable non-LSA courses offered in other schools and colleges are noted on the next page.

Academic Departments for Distribution Requirements

Humanities include courses designated in the College of Literature Science & Arts Bulletin as **HU** or Language Requirement (**LR**) from: Afro-American and African Studies; American Culture; Anthropology (Cultural); Asian Languages and Cultures; Classical Studies; Comparative Literature; Communication Studies; English Language and Literature*; Environmental Studies; Far Eastern Languages and Literatures; Film and Video Studies; Germanic Languages and Literatures; Great Books; Judaic Studies History; History of Art; College Honors; Linguistics; Medieval and Renaissance Collegiums (MARC); Near Eastern Studies; Philosophy; Religion; Residential College; Romance Languages and Literatures; Russian and East European Studies (REES); Slavic Languages and Literatures; Theatre and Drama, University Courses; Women's Studies. Courses in the School of Art and in the School of Music also fulfill the Humanities Distribution.

***Note:** All English composition courses designated as **Excl** or **HU** may be counted, but courses designated as Introductory Composition, (ENGLISH 124, 125, LHS 125, RC Core 100, UCC 153, etc.) may not be counted as Humanities.

Natural Science includes courses designated **NS** in the LSA Bulletin and Mathematics courses designated **QR**. These include: Anthropology (Biological); Applied Physics, Astronomy; Biology; Chemistry; Computer Science; Environmental Studies; Geography; Geological Sciences; College Honors; Physics; Psychology; Residential College; Statistics; University Courses. Also included are all courses in Mathematics (LSA); all courses in the departments of Anatomy, Biological Chemistry, Human Genetics, Physiology (School of Medicine); Atmospheric and Oceanic Sciences 202 (College of Engineering); NRE 301 (School of Natural Resources and Environment).

Social Science includes those courses designated **SS** in the LSA Bulletin from: Afro-American and African Studies; American Culture; Anthropology (Cultural); Asian Studies; Communication studies; Economics; Geography; History; Linguistics; Political Science; Psychology; Residential College; Russian and East European Studies (REES); Sociology; University Courses; Women's Studies.

Departments and programs in the College of LSA may offer courses in more than one of the distribution areas (**HU**, **NS**, **SS**). Students are advised to carefully select courses with the appropriate designation for the three groups (**LR** or **HU**; **NS** or **QR**; **SS**). For example, Anthropology (Cultural) 330 currently is the only **HU**-designated course; most courses in the Anthropology Department are **SS**.

English Composition Requirement

As part of their orientation to the University, all students will complete a survey about writing that will be evaluated by the Sweetland Writing Center (SWC). Students will be recommended for one of two placement tracks:

1. English Composition Writing Practicum SWC 100 or 102. After completing the courses, students will write a post-test which will either place them into Introductory Composition, into another SWC Practicum.
2. Introductory Composition. Kinesiology students may receive credit for up to two completed elections of the courses SWC 100 or 102. Credit for the course(s) will count toward the total 120-130 credits needed for graduation, but not toward any of the other requirements necessary for graduation. A SWC Practicum cannot be taken again for credit once competency for ENGLISH 125 or the equivalent is achieved or once the course ENGLISH 125 or the equivalent has been passed (must achieve a C or better).

Academic Minors

The Kinesiology Faculty has approved the use of College of Literature Science and the Arts minors in combination with Kinesiology degrees. The available minors are listed in the LSA web site (www.lsa.umich.edu) and Bulletin. Students should consult with the Kinesiology Office of Student Services for procedures in selecting and completing a minor program.

Senior Honors Thesis

Students with advanced skills complete an Honors Thesis with faculty. Students complete research projects, related to their programs, under the supervision of a faculty member. For more information, students should consult with their faculty advisor.

There is an Honors Program available through Kinesiology's Movement Science program. Please refer to page 25 for more information.

Kinesiology Undergraduate Degree Requirements

To be eligible for graduation from Kinesiology, a student must:

1. Complete the academic plan requirements in an approved degree program in Athletic Training, Movement Science, Sport Management and Communication, or Physical Education.
2. Complete the following courses required of all Kinesiology students: (note: credit hours given in parentheses).

- **MOVESCI 110.** Biological & Behavioral Bases of Human Movement (4)
 - **SPTMGMT 111.** Historical and Sociological Bases of Human Movement (3)
 - **SPTMGMT 101.** Public Interpersonal Communications (3)
 - **PSYCH 111.** Introduction to Psychology (4)
 - **Anatomy and Physiology** requirements vary for each program. Please consult with your advisor.
3. Complete the following courses outside of Kinesiology: **ENGLISH 125** College Writing (4) (with a C or better) and **ENGLISH 225** Argumentative Writing (4).
 4. Achieve an overall grade point average (GPA) of at least 2.000 in a minimum of 120 credit hours (for Athletic Training, Movement Science or Sport Management and Communication) or 130 credit hours (Physical Education).
 5. Satisfy the **Senior Residency Requirement**. This is defined as (a) taking a minimum of 50 credit hours while enrolled in Kinesiology (b) being enrolled in Kinesiology when completing at least 24 of your final 30 credit hours.
 6. Satisfy Kinesiology's **Distribution Requirement**. Students in AT, MOVESCI, SPTMGMT, elect a minimum of 12 credit hours each in courses designated from Humanities, Natural Science and Social Science areas. Students in PHYSED complete 12 hours in Natural Science and 9 hours each in Humanities and Social Science.

The Athletic Training Education Program

The mission of the Athletic Training Education Program (ATEP) within the Division of Kinesiology is to develop entry-level allied health professionals who will be contributing members to the field of athletic training. The primary objective is to offer a well-rounded combination of academic course work and clinical experiences that will educate students on the prevention, treatment, and rehabilitation of injuries and illnesses for the physically active.

This program will prepare students for entry-level work in secondary schools, colleges and universities, sports medicine clinics, professional sports programs, industrial settings, and other healthcare environments. The curriculum is designed to meet certification and accreditation standards set forth by the National Athletic Trainers' Association Board of Certification (NATABOC) and the joint Review Committee on Education Programs in Athletic Training (JRC-AT). The program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Students who complete the ATEP will receive a Bachelor of Science (B.S.) degree in Athletic Training, and will meet the requirements to sit for the NATABOC Examination. Certification is required to practice athletic training in most states.

Educational Objectives

1. Promote professional conduct in compliance with the code of ethics set forth by the National Athletic Trainers' Association (NATA).
2. Meet the educational competencies set forth by the Joint Review Committee on Athletic Training (JRC-AT) in the specific areas of: risk management and injury prevention; recognition, pathology of injuries and illnesses, assessment and evaluation, acute care of injury and illness,

pharmacology, therapeutic modalities, therapeutic exercise, general medical conditions and disabilities, nutritional aspects of injury and illness, psychosocial intervention and referral, health care administration and professional development & responsibilities.

3. Ensure that each student has the opportunity to work in a variety of clinical settings in order to gain a greater appreciation for some of the traditional and non-traditional venues in which athletic training services are administered.
4. Offer the athletic training student challenging situations to put classroom theory to clinical practice in a supervised manner.
5. Expose the athletic training student to a variety of allied health care professionals.

Athletic Training Admission Requirements

Admission into the ATEP is selective. Students should apply for the program during his/her freshman year. The program admits students into the program during the fall semester only. The following are the minimum requirements for admission:

1. Submission of an application packet. (Applications are due April 1st)
2. Hold sophomore standing or higher upon admission.
3. Be admitted into the Division of Kinesiology at the time of application.
4. Completion of AT 260 (Introduction to Athletic Training) and PE 316 (First Aid-Responding to Emergencies) with no less than a "B" earned for either class.
5. Earn a cumulative grade point average no less than 2.5 at the completion of no less than two semesters of college coursework.
6. Completion of a clinical observation experience under the supervision of the university's athletic training staff.
7. Complete an admission interview.
8. Meet the University of Michigan ATEP Technical Standards for Admission.

The ATEP application packet including technical standards is available on the Division of Kinesiology's website and can also be obtained by requesting a copy from the program's director.

Transfer students may be admitted to the program provided they fulfill all program admissions requirements. Coursework completed at another institution will be evaluated by the Registrar and the Athletic Training Education Program director to determine whether the course objectives completed coincide closely with the course objectives of the courses required for admission into the ATEP. Transfer students must complete a minimum of three years in order to graduate. The number of vacancies limits the number of students admitted into the program. The top students are chosen based on the application packet, academic performance, and performance in the admission interview. Students are informed of their status by May 31.

Athletic Training Retention Requirements

In order to successfully progress and complete the education program students must meet the following retention requirements:

1. Maintain a minimum overall grade point average of 2.5.
2. Maintain a minimum grade point average of 3.0 in all athletic training core courses.
3. Receive satisfactory evaluations from supervising clinical instructors.
4. Adhere to the University of Michigan Athletic Training Education Program policies and procedures.
5. Continue to meet the University of Michigan Athletic Training Program Technical Standards for Admission.

University Distribution Requirements

Students must complete a minimum of 12 credits in each of three areas, Humanities, Natural Science, and Social Science, in order to fulfill the University's distribution requirements.

Athletic Training Degree Requirements

Once accepted into the Athletic Training Education Program students will be required to complete a three-year competency-based education program. The education program consists of six semesters of academic course work coupled with clinical experiences under the direct supervision of a clinical instructor. The three-year, six-semester program's design is consistent with a "learning over time" model whereby students will continually increase their knowledge base and clinical skills. Students in the Division of Kinesiology accepted into the Athletic Training Education Program must complete a minimum of 120 credit hours. Required coursework is listed below:

Required Courses in the Athletic Training Major (29-CR)

- **AT 226** - Personal Exercise and Weight Training Programs (3 cr.)
- **AT 251** – Clinical Experiences in Athletic Training (1 cr.)
- **AT 252** – Clinical Experiences in Athletic Training (1 cr.)
- **AT 260** - Introduction to Athletic Training (2 cr.)
- **AT 300** – Human Anatomy (4 cr.)
- **AT 351** – Clinical Experiences in Athletic Training (1 cr.)
- **AT 352** – Clinical Experiences in Athletic Training (1 cr.)
- **AT 360** - Prevention and Care of Athletic Injuries (4 cr.)
- **AT 362** - Advanced Prevention and Care of Athletic Injuries (4 cr.)
- **AT 451** – Clinical Experiences in Athletic Training (1 cr.)
- **AT 452** – Clinical Experiences in Athletic Training (1 cr.)
- **AT 460** - Clinical Evaluation of Athletic Injuries (4 cr.)
- **AT 462** - Therapeutic Modalities (4 cr.)
- **AT 463** - Rehabilitation of Athletic Injuries (4 cr.)
- **AT 464** - Athletic Training Administration (3 cr.)

Supporting Courses in Kinesiology (33-35-CR)

- **PHYSED 316** - First Aid and Safety (2 cr.)
- **PHYSED 373** - Issues in Health and Wellness (3 cr.)
- **PHYSED 475** - HIV/AIDS and Communicable Diseases (3 cr.)
- **MOVESCI 110** – Biological and Behavioral Bases of Human Movement (3 cr.)
- **MOVESCI 230**- Functional Human Anatomy (4 cr.)
- **MOVESCI 241** - Exercise, Nutrition, and Weight Control (3 cr.)
- **MOVESCI 250** – Research Methods and Statistics in Movement Science (4 cr.)
- **MOVESCI 330 or PHYSED 331** - Biomechanics of Human Movement/Biomechanics of Sport (3-4 cr.)
- **MOVESCI 340** - Exercise Physiology (4 cr.)
- **SPTMGMT 101** – Public Interpersonal Communication (3 cr.)
- **SPTMGMT 111** – Historical and Sociological Bases of Human Movement (3 cr.)
- **SPTMGMT 307** - Psychological Aspects of Sport and Exercise (3 cr.)

Courses Required Outside of Kinesiology (23 Cr.)

- **ENGLISH 125** - College Writing or equivalent (4 cr.) (with a C or better)
- **ENGLISH 225** - Argumentative Writing (4 cr.)
- **PSYCH 111** - Introduction to Psychology or equivalent (4 cr.)
- **MATH 105** - Data, Functions, and Graphs (4 cr.)
- **PHYSICS 125** - General Physics: Mechanics, Sound, and Heat (4 cr.)
- **PHYSIOL 201** - Introduction to Human Physiology (4 cr.)

Clinical Education Experience Requirements

Each athletic training student is required to complete six, semester-long clinical education experiences under the supervision of a clinical instructor. Clinical education experiences provide the student with the opportunity for experiential learning to apply the Entry Level Athletic Training Clinical Proficiencies in a clinical environment. Clinical education experiences are completed at both on-campus and off-campus clinical sites. During the course of the program students will have exposure to a variety of clinical instructors, clinical settings, patient populations and health care professions. The University of Michigan's Department of Intercollegiate Athletics provides numerous on-campus clinical sites. The University of Michigan has two main and seven satellite athletic training facilities for intercollegiate athletics. All facilities are fully equipped with state-of-the-art equipment. In addition, students complete clinical experiences at our off-campus affiliated sites. Affiliated sites include local high schools, sports medicine clinics, and occupational/industrial clinics.

Movement Science Curriculum

Movement Science Curriculum Mission Statement

The Movement Science (MOVESCI) undergraduate curriculum strives to fully develop the intellectual abilities of each student during their learning experiences in the Division of Kinesiology. The program emphasizes the study of human movement from biological

and behavioral perspectives across the lifespan. We achieve our mission by offering a diversified program that includes introductory and advanced course work, research and laboratory experiences, and service learning. We evaluate our success by the academic and professional placement of our graduates.

Program Overview

The Movement Science major comprises coursework that emphasizes the causes and consequences of human movement from biomechanical, physiological, motor control, and development perspectives. The Movement Science major requires courses both in and outside the Division of Kinesiology. The major consists of 103 credit hours of coursework (108 for students in the Honors program); a total of 120 credits are required for graduation.

The Movement Science curriculum emphasizes competencies in five areas:

1. Content emphases in the three areas of Movement Science
2. Research
3. Scientific communication, including oral, written and graphic skills
4. Computer literacy
5. Service learning

Students will gain these competencies by mastering concepts in courses, by exposure to research in laboratory sections of courses and in independent study and research courses, and through participation in service learning activities.

The Movement Science major emphasizes content in three major areas: biomechanics, exercise physiology, and motor control and development. Key concepts in each area are given below.

1. Biomechanics

- Ability to describe movement from kinematics and kinetics perspectives.
- Apply biomechanical concepts and principles to analysis of motor skills among diverse and special populations.
- Understand underlying physical mechanisms involved in the control and coordination of movements.
- Understand basic mechanical properties of muscle, tendon, ligament, and bone.
- Relate the mechanical loads placed on the human body to the mechanical properties of tissues.
- Identify basic biomechanical mechanisms used by humans to reduce metabolic cost and fatigue during movement.

2. Exercise Physiology

- Understand regulation of different biological functions including cardiovascular, neural, renal, pulmonary, musculoskeletal, and endocrine systems during rest and movement.
- Understand mechanisms causing biological adaptations to chronic exercise at the molecular, cellular, systemic and whole-body level.

- Understand relationships between physical activity, energy, nutrition, chronic disease, and health.
- Understand neural, cardiorespiratory, nutritional, bioenergetic, metabolic and endocrine bases of human performance.
- Understand and appreciate racial, ethnic, age-associated and gender differences in exercise performance and in biological adaptations to movement.
- Assess flexibility, strength, and endurance factors that influence movement and physical performance.

3. Motor Control and Development

- Ability to describe movement from a kinematic and associated muscle activation pattern perspective.
- Apply motor development and motor control concepts and principles to analysis of motor skills among diverse and special populations.
- Identify and differentiate among the diverse theories of motor skill acquisition.
- Identify factors affecting motor behavior, including physical growth, physiological, perceptual and cognitive changes, and sociocultural practices.
- Understand interaction between perception and action throughout the lifespan.
- Understand basic principles underlying neural and neuromuscular communication.
- Understand the relationship between central nervous system structure and function as it applies to human motor control.
- Understand the normal course of physical growth and maturation throughout the lifespan.

Movement Science Course of Study

The Movement Science curriculum requires courses in each of six categories:

1. Core prerequisite courses outside Kinesiology (36 credit hours)
2. Core prerequisite courses in Kinesiology (12 credit hours)
3. Required university distribution courses (36 credit hours)
4. Required core courses in Movement Science (20 credit hours)
5. Elective courses (20 credits)
6. Service learning (1 credit)

Some required courses count in more than one category. For example, human physiology (Physiology 201) is a required prerequisite course outside Kinesiology, but it also serves as one of the required university distribution courses in the Natural Science area.

1. Core Prerequisite Courses outside Kinesiology [36 credit hours]

These courses are typically completed prior to taking the 300-level **required** core courses in Movement Science. Some of the courses are required as prerequisites for the core courses in Movement Science and must be completed prior to enrolling in specific core courses.

- Biology 162 (5 credits) - Introductory Biology
- Chemistry 130 (3 credits) - General Chemistry: Macroscopic Investigations & Reaction Principles
- English 125 (4 credits) - College Writing (with a C or better)
- English 225 (4 credits) - Argumentative Writing
- Math 105 (4 credits) - Data, Functions, Graphs or Math 115 (4 credits) - Calculus I (recommended)
- MEDADM 401 (4 credits) - The Human Body
- Physics 125 (4 credits) - General Physics Mechanics and Sound or Physics 140 (4 credits) – General Physics I
- Physiology 201 (4 credits) - Introduction to Human Physiology
- Psychology 111 or 112 (4 credits) - Introduction to Psychology

Any anatomy, biology, chemistry, English, math, physics, physiology, or psychology course that is equivalent to the above course offered at the University of Michigan will be considered. However, students wishing to apply to graduate or professional schools need to give consideration to the level of the course and where it was completed (community college, medical school, etc.). Many graduate and professional programs require higher-level mathematics, chemistry, physics courses, or courses with laboratories.

2. Core Prerequisite Courses in Kinesiology [12 credit hours]

The 100-level courses listed below should be completed before taking the required core courses in Movement Science. Note that MOVESCI 110 is a prerequisite for many Movement Science courses.

- MOVESCI 110 (4 credits) - Biological and Behavioral Bases of Human Movement
- SPTMGMTTC 101 (3 credits) - Public and Interpersonal Communication
- SPTMGMTTC 111 (3 credits) - Historical and Sociological Bases of Human Movement
- PHYSED 316 (2 credits) - First Aid and Safety Education

3. Required University Distribution Courses [36 credit hours]

Courses in the core prerequisite courses outside Kinesiology category satisfy all of the required Natural Science distribution credits and some of the required Humanities and Social Science distribution credits. Additional Social Science and Humanities courses must be taken to fulfill the Humanities and Social Science distribution requirements.

Humanities (HU) (12 CR):

- SPTMGMTTC 101 (3 credits)
- English 225 (4 credits)
- *Additional 5 credits needed*

Social Sciences (SS) (12 CR):

- Psychology 111 (4 credits)
- *Additional 8 credits needed*

Natural Sciences (12 CR):

- MEDADM 401 (4 credits)
- Biology 162 (5 credits)
- Chemistry 130 (3 credits)
- Math 105/Math 115 (4 credits)
- Physics 125/Physics 140 (4 credits)
- Physiology 201 (4 credits)
- Psychology 112 (4 credits)

4. Required Core Courses in Movement Science [20 credit hours]

Five courses form the core set of courses that are required of all Movement Science students. These courses serve as prerequisite courses for many of the Movement Science elective courses.

1. MOVESCI 230 (4 credits). Human Musculoskeletal Anatomy. Examines the functional relationship between human musculoskeletal anatomy and body movement. Students will learn the bone names and landmarks, joint structures and movements, and the names, attachments and functions of the major muscles. Includes laboratory sections. *Prerequisites: None.*
2. MOVESCI 250 (4 credits). Statistics and Research Methods in Movement Science. Covers the fundamentals of research design and the applications of statistics to reading, planning, implementing, and analyzing research in Movement Science. Laboratory experiences are integrated with the course content. *Prerequisites: None.*
3. MOVESCI 320 (4 credits). Motor Control. Introduces students to the neural and behavioral basis of motor control. Topics include nervous system structures involved in planning, executing and learning movements, as well as the principles of motor control that apply to locomotion, reaching and grasping, multi-joint coordination and more complex skills. Motor control principles underlying rehabilitation are also introduced. Includes laboratory experiences. *Prerequisites: MOVESCI 110, MEDADM 401 or MOVESCI 230, MOVESCI 250, PHYSIOL 201.*
4. MOVESCI 330 (4 credits). Biomechanics of Human Movement. Applies fundamental biomechanical principles to the human musculoskeletal system. Topics include musculoskeletal mechanics, tissue biomechanics, and quantitative analysis of human movement. Includes laboratory section. Offered winter term only. *Prerequisites: MOVESCI 110, MATH 105 or 115, PHYSICS 125 or 140, MEDADM 401 or MOVESCI 230.*
5. MOVESCI 340 (4 credits). Exercise Physiology. Physiological principles of human movement. Topics include bioenergetics, energy expenditure, functions of the cardiovascular, pulmonary, neuromuscular and neuroendocrine systems, training, environmental influences, ergogenic aids, weight control, and body composition. Includes laboratory experience. *Prerequisites: MOVESCI 110, MEDADM 401 or MOVESCI 230, MOVESCI 250, PHYSIOL 201; CHEM 130 recommended.*

5. Elective Courses [20 Credit Hours]

Students must complete a minimum of 20 credit hours of elective course work as follows:

- Movement Science lecture-based courses. A minimum of nine credit hours of upper-division Movement Science lecture-based courses are required from the following list:

MOVESCI 412 (3 credits) - Scientific Training and Conditioning of Athletes
MOVESCI 421 (3 credits) - Disorders of Voluntary Movement
MOVESCI 422 (3 credits) - Motor Learning
MOVESCI 423 (3 credits) - Sensory-motor Development
MOVESCI 424 (3 credits) - Human Movement and Aging: Changes in Sensorimotor Control
MOVESCI 425 (3 credits) - Motor Behavior and Developmental Disabilities
MOVESCI 433 (3 credits) - Human Movement and Aging; Functional Ability
MOVESCI 435 (3 credits) - Biomechanics of Human Locomotion
MOVESCI 441 (3 credits) - Exercise and Human Biology
MOVESCI 442 (3 credits) - Hormones and Exercise
MOVESCI 443 (3 credits) - Human Movement and Aging: Hormones and Nutrition
MOVESCI 445 (3 credits) - Human Movement and Aging: Molecular Mechanisms
MOVESCI 471 (3 credits) - Physical Activity, Health and Disease
MOVESCI 474 (3 credits) - Worksite Wellness

- Movement Science independent study courses. Three credit hours earned from independent study, internships, readings or research in Movement Science can be substituted for one of the required lecture-based courses in Movement Science. The upper limit of independent study courses in Movement Science is 20 credit hours. The courses can be chosen from the following list:

MOVESCI 280 (1-4 credits) - Kinesiology Undergraduate Research Opportunity
MOVESCI 380 (1-3 credits) - Problems in Movement Science
MOVESCI 381 (1-3 credits) - Community Service Learning
MOVESCI 382 (1-3 credits) - Honors Reading
MOVESCI 384 (1-3 credits) - Honors Research
MOVESCI 390 (1-8 credits) - Field Experience in Movement Science
MOVESCI 402 (1-3 credits) - Teaching Experience in Movement Science
MOVESCI 403 (1-4 credits) - Internship
MOVESCI 429 (1-3 credits) - Laboratory Rotation in Motor Control and Development
MOVESCI 439 (1-3 credits) - Laboratory Rotation in Biomechanics
MOVESCI 449 (1-3 credits) - Laboratory Rotation in Exercise Physiology
MOVESCI 488 (1-3 credits) - Independent Study
MOVESCI 489 (2-5 credits) – Senior Thesis
MOVESCI 490 (1-5 credits) - Senior Honors Thesis A
MOVESCI 491 (1-5 credits) – Senior Honors Thesis B

- Cognate courses. A minimum of eleven credit hours of cognate elective courses outside of Movement Science are required, six credit hours of which must be outside of Kinesiology. The Movement Science department maintains a list of currently approved

Movement Science Cognate Elective Courses (see the Division of Kinesiology web page). If a course does not appear on the list, students need to get approval by completing a Petition Form (available through OSS). Students are encouraged to choose cognate courses that may fulfill graduate or professional school requirements.

6. Service Learning [1 credit hour]

Movement Science students are required to engage in service learning by completing one course dedicated to service learning or a course that provides a minimum of one credit associated with the opportunity for service learning. Two options for service learning are currently available:

Option 1. Successful completion of an approved service-learning course outside of Kinesiology. Students are advised to check the list of approved service learning courses on the Kinesiology website. To get approval for a different course to satisfy this requirement, students must complete the Service Learning Course Approval Form that can be obtained from the Office of Student Services. Currently approved courses include:

- English 310 (3 credits) - Discourse and Society
- Psychology 305,003 (1-4 credits) - Psychology Practicum
- Psychology 307 (3-4 credits) - Directed Experiences with Children
- Psychology 317 (3 credits) - Community Research
- Psychology 319 (3 credits) - Empowering Families and Communities
- Psychology 320 (1 credits) - Laboratory in Community Intervention (co-enroll in Psych 319)
- Psychology 211 (1-2 credits) - Project Outreach
- Sociology 389 (2-4 credits) - Project Community

- Option 2. Successful completion of the Movement Science service learning course "MOVESCI 381 - Community Service Learning", as arranged with a Movement Science faculty member.

Completion of the BS Degree in Movement Science

The Bachelor of Science degree in Movement Science requires completion of 120 credit hours. The required coursework for the degree, however, comprises only 103 credits. Therefore, students must elect an additional 17 credits in courses from either inside or outside Kinesiology to complete the degree.

To ensure that all degree requirements have been met, students are strongly advised to complete a Senior Audit through the Office of Student services in the semester before they expect to graduate. To track their progress, students are encouraged to update their Undergraduate Record Sheet each semester. Undergraduate Record Sheets can be obtained from the Office of Student Services. Students are encouraged to meet with their faculty advisors in Movement Science throughout their degree program.

The Movement Science Honors Program

The Movement Science honors program in Kinesiology offers qualified students advanced coursework and independent research opportunities in exercise physiology, biomechanics, and motor control and development. Students with strong intellectual interests and the commitment to pursue those interests in a rigorous and challenging environment are eligible for the Movement Science honors program.

Honors students are expected to pursue a rigorous and diversified course of study. Students must complete the regular Movement Science curriculum as well as advanced coursework, independent study, and the successful completion of an honors thesis, completed during the senior year. Students must maintain a 3.5 GPA throughout the program. Each April, a subcommittee of the Movement Science faculty will review each student's academic record and recommend continuation or termination. The program will be administered by the Honors Coordinator, the chair of the Honors subcommittee.

Admission to the Movement Science Honors Program

Following review of applications for admission to the Division of Kinesiology, qualified students will be invited to enter the Honors Program. These invitations are based on evidence of exceptional scholarly ability and motivation. Admission decisions will be based on the following:

1. High school GPA (suitably adjusted for the difficulty of work elected - typically above 3.8)
2. Class standing
3. National test scores (SAT of 1200 or above, ACT composite of 32)
4. Counselor/teacher recommendations
5. Admissions essay

The Division of Kinesiology is strongly committed to achieving an Honors student body characterized by ethnic and racial diversity as well as gender balance. It is anticipated that approximately 5 percent of first-year students will be eligible and choose to participate in the Honors Program.

First-year students already enrolled in Kinesiology or in other programs (i.e. transfer students) who are interested in joining the Honors Program may be accepted depending on qualifications. Only those students with a GPA of 3.5 in at least one full semester comprised of content-based challenging classes will be admitted to the second year level of the Honors Program.

Second-year Movement Science students may apply for admissions to the Honors Program as juniors. Only those students with distinguished academic performance (cumulative GPA of 3.5 in a minimum of 50 credit hours, including completion of MOVESCI 250 or equivalent, English 225, and all core pre-requisite courses both inside and outside Kinesiology) will be considered for admission.

Movement Science Honors Requirements

The Honors program requires students to take the Honors sections of some Movement Science core courses, and to compete independent research experiences, culminating in a Senior Honors Thesis. Each requirement is described below.

Honors Sections. Students complete the honors sections of MOVESCI 320, 330, and 340 by the end of junior year. To receive honors credit, students will complete a special project connected to the course as well as the regular course requirements. In consultation with the faculty instructor, such special projects may, for example, take the form of a literature review or class presentation. Honors students in the same class may work together on a project approved by the faculty instructor. Honors students will fill out a contract with the faculty instructor stating precisely the scope of the honors work. In situations where a student elects to take a core course in his/her second year and has not yet been accepted into the Honors Program, the student must make arrangements with the appropriate faculty member to complete the honors requirement of the core course.

Honors Independent Study and Honors Research Proposal. Students must complete a minimum of 6 credits of independent study with a research focus by the end of the junior year. Up to 3 independent credits obtained prior to a student's junior year can be counted. Honors independent research study experiences typically involves supervised and directed participation in the laboratory of a Movement Science faculty member. In many cases, these independent research study experiences assist the student in identifying a research mentor and help lay the groundwork for the senior honors thesis. Honors students will fill out an independent study contract form with a faculty member stating the nature of the research experience.

A thesis proposal must be submitted to the sponsoring faculty member by the end of winter semester of student's junior year. The proposal should include a rationale for the project, the specific questions to be answered or hypotheses to be tested, the methods to be used, the potential results of the student's proposed research, and a bibliography. The proposal must include the signature of the faculty mentor indicating support of the proposal. It is highly recommended that students arrange to start doing honors thesis research during the spring and/or summer semesters between their junior and senior years. Typically, financial support will be sought from the faculty mentor. In some instances, some financial support may be available from other sources.

Senior Honors Thesis - MOVESCI 490-491 (5 credits). The honors thesis is due 3 weeks before the end of the winter semester. In March of each academic year, students will make oral presentations of their thesis work in a Division-wide forum, to be arranged with their thesis advisors. While there is no set length requirement, the honors thesis is expected to reflect a rigorous and in-depth analysis of a specific problem in movement science requiring a sustained period of investigation but appropriate for study at the honors undergraduate level. The goal of the honors thesis is to generate new and relevant information that may lead to an abstract submission to a national conference, form the basis for a peer-reviewed manuscript, or provide pilot work for graduate studies.

Competency Check List

1. Content Emphasis
Students are expected to master key concepts in the three content areas of Movement Science.
2. Research Exposure
 - a. Exposure to experimental design in MOVESCI 250
 - b. Research exposure in laboratory sections of Movement Science core courses
 - c. Participation in independent study, research laboratory courses, UROP courses (UC 280 and MOVESCI 280), and senior honors courses
3. Scientific communication, including oral, written and graphics skills
 - a. Oral communication skills
 - Students take SPTMGMTTC 101
 - Students present research information in different classes
 - b. Writing skills
 - Students write scientific reports, reviews and essays in different courses
 - c. Graphic communication skills
 - Students get such skills in MOVESCI 110 and other courses
4. Computer literacy
 - a. Exposure to descriptive and inferential statistics in MOVESCI 250
 - b. Exposure in different research experiences and courses
5. Service Learning
Students are expected to enroll in at least one course providing service-learning experiences.

The Physical Education Undergraduate Program

The Physical Education program offers students extensive preparation in education courses leading to K-12 certification, as well as providing students with strong preparation in the liberal arts. Students in Physical Education learn how to communicate to students of varying ages, abilities, and backgrounds the intellectual, physiological, and biomechanical concepts of physical activity. The Physical Education curriculum, including a K-12 Methods course required of all students, emphasizes the importance of understanding the role of family, community, and school in a student's educational experience, and of psychological and sociological factors that can influence learning. The directed teaching requirement provides students in the program with the opportunity to gain practical teaching experience under the supervision of trained faculty.

Students who complete the Physical Education program will receive a Bachelor of Science (B.S.) degree in Physical Education and a Michigan Secondary Provisional Certificate (K-12). For further information about Physical Education Program requirements, admission procedures, and application deadlines, students should consult the Physical Education Chair within Kinesiology.

The School of Education Office of Student Services also assists students in applying to the program and reviewing Physical Education requirements. This office, along with the Kinesiology Office of Student Services and the Physical Education Chair are the three main sources of information and support for Physical Education students.

Physical Education Admission Criteria

Each applicant is evaluated on the basis of probable success in teaching and availability of places in the program.

The criteria for admission are:

- A minimum 2.5 overall grade point average with particular attention given to courses required for certification.
- Experience with children (120 documented hours, minimum) that indicates a desire to teach; for example, experience as a tutor, camp counselor, coach, teacher's aide, or participation in the University of Michigan's Project Community, Project Outreach, U-Go Girls, or KidSport.
- Three recommendations from persons able to address the student's potential to succeed as a teacher. One letter must be from an instructor or teaching assistant at the University level from the area of study in which the applicant wishes to complete his or her major.
- A statement of personal goals, which should include the applicant's commitment to education as a career.
- Copies of transcript (unofficial), SAT, and/or ACT scores.

Prior to application students should have completed the following courses: English Composition, Introduction to Psychology, and Public Speaking. In addition, students should have made progress toward the Humanities, Natural Science, and Social Science Distribution Requirement as well as toward the major and minor requirements.

Physical Education Admission Procedures

Students who wish teacher certification must formally apply to the University of Michigan Teacher Certification Program administered by the School of Education. Formal application to the certification program should occur during the sophomore year. Students must have junior standing (a minimum of 54 credit hours) at the time of enrollment in the program. The application for admission to the Teacher Certification Program is obtained from and returned to the School of Education Office of Academic Services. Consult that office for fall and winter term rolling deadlines.

Students who are unable to meet the fall or winter term deadlines (transfer students, post-degree students and others) should apply as soon as possible for consideration on a space-available basis. Consult the Physical Education Chair for further information.

Teaching certification candidates must also satisfactorily complete a certified minor program of study and complete a minimum of 130 credit hours. All students must have a minimum grade point average of 2.000 overall immediately prior to the term of directed teaching and at the time

of graduation and/or the certificate recommendation. This is calculated using all University of Michigan courses which appear on a student's transcript.

Because all Michigan school districts now require a criminal background check via fingerprinting, all students admitted to the School of Education are required to submit to a background check during the semester of admittance. You will not be permitted to begin any kind of field experience (practicum or student teaching) until the School of Education has received the results of the background check. Please stop by the Office of Student Services of the Teacher Education Coordination Office for details about how to get the fingerprinting done.

Directed Teaching

Directed Teaching provides students with the opportunity to practice and refine their teaching skills under the supervision of Kinesiology faculty as well as teachers from local area schools. This important feature of the Physical Education program allows students to develop professional standards and abilities, to identify strengths and weaknesses in their teaching, and to ensure quality education for themselves and for their future students. The procedures for Directed Teaching are outlined below.

Prerequisites for Enrolling in Directed Teaching

1. Attainment of senior status (84 credit hours completed).
2. A minimum 2.000 grade point average overall in all courses completed at the University of Michigan prior to the term of directed teaching.
3. A minimum 2.000 University of Michigan grade point average in both the concentration and minor.
4. Completion of the following courses: **PHYSED 444, EDUC 307, EDUC 391 and EDUC 392** ("S" required in 307; "C" (2.000) or better required in 391 and in 444).
5. A passing score on the basic skills examination of the Michigan Test for Teacher Certification. (A passing score for the examination in each subject area in which a person is to be certified is required prior to being recommended for certification).
6. Approval of the Physical Education Faculty.

Directed Teaching Requirements

PHYSED 415. Directed Teaching in Physical Education (6-12 cr.), must be elected for 12 credits. The Physical Education Chair must approve exceptions. This course is graded "S/U" and must be completed with a grade of "S." Elementary and Secondary assignments require a commitment of five full days per week. The student teacher is required to attend the co-requisite two-credit Directed Teaching Seminar, **PHYSED 414.**

Directed Teaching Application Procedures

All students admitted to the teacher certification program for the fall and winter terms must apply before the third week of the term for directed teaching in subsequent terms. Students who

do not apply at least one term prior to their projected directed teaching assignment might need to postpone their directed teaching to a later term.

The application must be obtained from and returned to the Directed Teaching Office, School of Education. In addition, a supplementary application must be completed early in the term preceding the directed teaching assignment. Late applications may result in a delay of directed teaching. Additional forms must be obtained and returned to the Teacher Education Chair.

Transcript

A student's current University of Michigan transcript must be requested by the student and sent directly from the Transcript Office (555 LSA) to the Directed Teaching Office, School of Education. For deadlines, consult the Directed Teaching Office.

Directed teaching applications will not be processed without a current transcript from the University of Michigan. Official copies of any other relevant transcripts must be submitted to the Office of Academic Services, School of Education. Transcripts are needed to verify completion of all of the prerequisite courses and grade point averages. A copy of the "Grade Report" form covering all courses elected before directed teaching but not recorded on the above transcript must be submitted to the School of Education Office of Academic Services.

Credits Required for the Degree

The Teacher's Certificate may not be granted before completion of a minimum of 130 credits and a Bachelor's degree from the University of Michigan or an institution with an approved Physical Education Program.

Certification

Michigan Provisional Certificates

Upon successful completion of degree and certification requirements, graduates will be recommended to the State Board of Education for a Michigan State Secondary Provisional Certificate. Secondary certificates qualify the holder to teach their academic plan(s) and minor(s) in grades 7-12. An academic plan in K-12 field, such as art, dance, library science, or physical education, usually is granted on a secondary certificate, but a K-12 field may be added to an elementary certificate.

The initial provisional certificate is valid for six years from the year of issuance, expiring on June 30th of that year. Many other states will grant a certificate based on equivalency. To determine eligibility for a certificate in another state, contact the State Department of Education in that state.

Certification Fees

Act 339 of the Public Acts of 1988 includes a fee assessment system for teacher/administrative certificates. The date of issuance for the certificate will be determined by the State Department of

Education. (Certificates will be assigned a date based on when the fee has been paid by the applicant). Below is a partial listing:

- Provisional Certificate
- Professional Education
- School Administrator Certificate
- Renewal of Provisional
- Endorsements
- Continuing/Permanent Reinstatement

For additional information, contact the Office of Academic Services, School of Education

Teacher Certification Testing

Act 267 of the Public Acts of 1986 requires that persons preparing to be teachers in Michigan pass both a basic skills examination and an examination in each appropriate subject area in which they are to be certified. Such tests may be taken at different times and sites while enrolled in an approved teacher preparation program, but the basic skills test must be passed before a person is enrolled in student teaching.

The Department of Education utilizes a private testing service that assesses a fee for taking the basic skills and subject area examinations. Both the basic skills examination and subject area tests are determined and approved by the Michigan State Board of Education.

Degree and Certificate Granting

The degree and certificate are granted at the end of the winter (April), spring/summer (August), or fall (December) term when requirements have been completed. The University of Michigan grants the degree and recommends the granting of the certificate; the Michigan State Board of Education grants the certificate.

Certification Residency Requirement

All students must complete a **minimum of 20 credits** in Education courses of which 10 credits, including EDUC 307, PHYSED 414, PHYSED 415, and PHYSED 444 must be elected while enrolled at the University of Michigan. For additional requirements, consult the School of Education.

Final Degree Check

In addition to completing a final degree check in the Kinesiology Office of Student Services, a student must make an appointment with a School of Education Office of Academic Services staff member for a final certification audit and to complete forms required for certification. Students should schedule this appointment during the term before the expected term of graduation. Consult with the Physical Education Chair for additional information.

Physical Education Degree Requirements

Kinesiology students who wish to graduate in Physical Education must complete an academic plan of study (shown below) and a minor course of study.

- **MOVESCI 110.** Biological & Behavioral Bases of Human Movement (4 cr.)
- **MOVESCI 340.** Exercise Physiology (4 cr.)
- **PHYSED 252.** Assessment in Physical Education (3 cr.)
- **PHYSED 254.** Fundamental Movement Skills in Children (3 cr.)
- **PHYSED 310.** Applied Human Anatomy and Physiology (5 cr.) (NS)
- **PHYSED 316.** First Aid and Safety Education (2 cr.)
- **PHYSED 331.** Biomechanics of Sport (3 cr.) (requires MATH 105 and PHYSICS 125 proficiency)
- **PHYSED 332.** Principles of Motor Behavior (3 cr.)
- **PHYSED 336.** K-12 Rhythm & Dance Activities (3 cr.)
- **PHYSED 349.** Water Safety Instructor (3 cr.)
- **PHYSED 350.** Selected Secondary Team Activities (3 cr.)
- **PHYSED 353.** Individual Sports and Selected Activities (3 cr.)
- **PHYSED 354.** Theory and Practice of Elementary Physical Education (3 cr.)
- **PHYSED 414.** Directed Teaching Seminar (1-2)
- **PHYSED 415.** Directed Teaching in Physical Education (6-12)
- **PHYSED 425.** Motor Behavior and Developmental Disabilities (3 cr.) *Must be taken concurrently with EDUC 402 and EDUC 392.*
- **PHYSED 444.** Methods of Teaching of Physical Education K-12 (4 cr.)
- **SPTMGMTC 101.** Public Interpersonal Communication (3 cr.) (HU)
- **SPTMGMTC 111.** Historical and Sociological Bases of Human Movement (3 cr.)
-

Requirements outside of Kinesiology:

- **ENGLISH 125.** College Writing (4 cr.) *or equivalent.* This course may not be counted towards the Distribution Requirement. Must achieve a C or better.
- **ENGLISH 225.** Argumentative Writing (4 cr.) (HU).
- **MATH 105.** Data, Functions, and Graphs (4 cr.)
- **PHYSICS 125.** General Physics: Mechanics & Sound (4 cr.) (NS)
- **PSYCH 111.** Introduction to Psychology (4 cr.) (SS)
- **PSYCH 250.** Introduction to Developmental Psychology (4 cr.) (SS)

Required Courses within the School of Education:

- **EDUC 307.** Practicum in Teaching Methods (1-7 cr.)
- **EDUC 391.** Educational Psychology and Human Development (3 cr.)
- **EDUC 392.** Education in a Multicultural Society (3 cr.)
- **EDUC 402.** Reading and Writing in Content Areas (3 cr.)

Distribution Requirements:

Students must complete the Distribution Requirement of a minimum of 12 credits in Natural Science and 9 hours each in Humanities and Social Science.

The Physical Education Minor

Students not enrolled in Kinesiology may take the following minor program of study (24 credit hours):

- **PHYSED 254.** Fundamental Movement Skills in Children (3 cr.) *or* **PHYSED 425.** Motor Behavior and Developmental Disabilities (3 cr.) *Must be taken concurrently with EDUC 402 and EDUC 392.*
- **PHYSED 310.** Applied Human Anatomy & Physiology (5 cr.)
- **PHYSED 316.** First Aid and Safety Education (2 cr.)
- **PHYSED 336.** K-12 Rhythm and Dance Activities (3 cr.)
- **PHYSED 349.** Water Safety Instructor/Lifeguard Instructor (3 cr.)
- **PHYSED 350.** Selected Secondary Team Activities (3 cr.)
- **PHYSED 353.** Individual Sports and Selected Activities (3 cr.)

Two courses from the following:

- **MOVESCI 340.** Exercise Physiology (4 cr.)
- **PHYSED 331.** Biomechanics of Sport (3 cr.) (Requires prerequisite of MATH 105 and PHYSICS 125)
- **PHYSED 332.** Principles of Motor Behavior (3 cr.)

Health Minor and Other Options:

Students must complete at least one concentration and one minor to be certified to teach. A second concentration may be substituted for the minor. Most Physical Education students complete a concentration in Physical Education and a minor in another field, which they will be certified to teach in the secondary schools; examples include English, math, and health.

Students should also consult the Concentrations and Minors section in the School of Education Bulletin to select a minor or second concentration and to verify requirements and grading policies. This Bulletin is available from the Office of Academic Services, 1033 School of Education Building. Students in the School of Education may elect Physical Education as a minor field on the secondary level, grades 7-12.

Health Minor Requirements

Students choosing to complete the Kinesiology Health Minor also take the following courses:

- **MOVESCI 241.** Exercise, Nutrition and Weight Control (3 cr.) *or* **EHS 530.** Nutrition in Public Health (2 cr.)
- **PHYSED 265.** Fitness, Wellness, and Lifestyle Management (3 cr.)
- **PHYSED 301.** Coordinated School Health Programs (3 cr.)
- **PE 306.** Practicum in Health Education (2 cr.) (Must be taken concurrently with PHYSED 473)
- **PHYSED 316.** First Aid and Safety (2 cr.)

- **PHYSED 373.** Issues in Health and Wellness (3 cr.)
- **PHYSED 473.** School Health Programs (4 cr.)
- **PHYSED 475.** HIV/AIDS, Other Communicable Diseases, and the Immune System (3 cr.)

The Sport Management Undergraduate Program

*The requirements below apply to freshmen students enrolled in Kinesiology **effective fall of 2003 and after** and for transfer students **entering fall 2004 and after**.*

The new undergraduate program in Sport Management (SM) leads to the Bachelor of Arts and provides students with outstanding preparation for entry-level professional positions in sport industries. During the first and second year (level one) students must complete a series of required courses, make significant progress toward an additional set of foundational courses, and take distribution (liberal arts) courses. Overall, level one students are expected to complete at least 55 credits during these two years. Admission to the second level of the program (years three and four) is competitive. Highest consideration will be given to those students who have successfully completed all required and foundational courses. Courses taken during years three and four provide students with a strong knowledge base in sport-industry related management, marketing, finance, and organizational behavior. In addition, students will have the opportunity to take advanced courses that focus on specialized issues related to the business of sport. During their last year students have opportunities to apply the knowledge they gained in the classroom via field experiences or internships in the “real world” of the sport industries.

Structure of Undergraduate Curriculum in Sport Management

Level One (years one and two)

During their first two years students must take four required courses in Kinesiology (one of which counts toward their required distribution credits) and three required courses outside of Kinesiology (two of which count toward distribution credits). In addition, students are expected to make significant progress toward completion of four additional courses designed to build core skills needed in the field of sport management, all of which also count as distribution credits (i.e., part of the 36 credits required in the Humanities, Quantitative Reasoning/Natural Sciences, Social Sciences,). Students should also make progress toward their 16 general elective credit hours. In sum, students are expected to complete a total of 55-60 credit hours over this two-year period.

Required Kinesiology Courses (13 credits)

- SPTMGMTC 101* (3 credits) - Public Speaking
- SPTMGMTC 111* (3 credits) - Historical and Sociological Aspects of Human Movement
- MOVESCI 110* (4 credits) - Biological and Psychological Bases of Human Movement
- SPTMGMTC 203* (3 credits) - Sport Business

Required Courses Outside of Kinesiology (12 credits)

- ENGLISH 125* (4 credits) - College Writing (with a C or better)
- ENGLISH 225* (4 credits) - Argumentative Writing
- PSYCH 111 * (4 credits) - Introduction to Psychology

Core Skills Courses (15 credits)

- STATS 100 ** (4 credits) - Introduction to Statistical Reasoning
- ACC 471/271 ** (3 credits) - Principles of Accounting
- ECON 101 ** (4 credits) - Principles of Economics
- ECON 102 ** (4 credits) - Principles of Economics

* indicates this course was required under the old program

** indicates this course has been added, as highly recommended courses in Level One of the new program

Below is a table that illustrates how Level One Required and Core Skills Courses fit into the 36 required distribution credits:

Humanities	Quantitative Reasoning/ Natural Science	Social Sciences
Argumentative Writing (English 225, 4 cr)	Introduction to Statistical Reasoning (STATS 100, 4cr)	Introduction to Psychology (PSYCH 111, 4 cr)
Public Speaking (SPTMGMT 101, 3 cr)	Principles of Accounting (ACC 471/271, 3 cr)	Principles of Economics I (ECON 101, 4 cr)
		Principles of Economics II (ECON 102, 4 cr)

Level Two (years three and four)

Admission to the second-level of the SM program is competitive. Students are required to apply to the program during their sophomore year. Admission is based on a variety of factors, including completion of required courses, progress on core skill courses, academic record, and demonstrated interest and, or, experience in the field of sport management.

Year 3**Fall Semester:**

- SM 331 Economics of Sport
- SM 333 Legal Aspects of Sport Administration
- SM 332 Organizational Behavior of Sport Organizations
- New version of current PHYSED 310 (Anatomy & Physiology)
- Sport Management Elective

Total of 15 credit hours

Winter Semester:**Total of 15 credit hours**

- SM 341 Introduction to Sport Finance
- SM 346 Principles of Marketing
- SM 342 Strategy of Sport Organizations
- SM 349 Research Methods for the Sport Industry
- Sport Management Elective

Year 4**Fall Semester:****Total of 15 credit hours**

- SM 446 Advertising and Promotional Strategies
- SM 434 Sport Ethics
- SM 444 Sales Management for the Sport Industry
- Sport Management Elective
- Sport Management Elective

Winter Semester:**Total of 15 credit hours**

- SM 468 Integrative Field Experience
- Sport Management Elective
- Sport Management Elective
- Sport Management Elective
- Sport Management Elective

Sport Management elective courses are projected to include the following:

SM 432	Human Resource Management in Sport	SM 437	Psychological Aspects of Sport and Exercise
SM 435	Sport and the Consumer	SM 433	Sport and Public Policy
SM 431	Sport and the Media	SM 436	Race Relations, Cultural Images, and Sport
SM 402***	Teaching Experience		
SM 403***	Internship	SM 470***	Independent Study
SM 480***	Independent Reading		

*** indicates students are allowed a maximum of 3 total credit hours of independent experiences (i.e. internship, independent study, independent reading, teaching experience)

It should be noted that, in developing this program of study, we addressed the importance of providing students with the opportunity to select a significant number of courses beyond those that are required. Therefore, approximately one-third of the curriculum is elective course work in which students are given flexibility to choose courses in which to enroll.

Criteria for Admission to Second Level of the New Undergraduate Program in Sport Management

In order to advance to the second level of the program, students must apply during their sophomore year. Admission is selective and based on a variety of factors, including:

- completion of 7 required courses specified above (page 34)
- significant progress toward completion of 4 core skills courses (page 34)
- completion of at least 55, and generally no more than 75, credit hours, including required, core skills, and distribution (liberal arts) course work
- a strong overall record of academic achievement in college course work (although there is no minimum grade point average required, applicants who are competitive for admission to the program will typically present a “B” average or better in required and distribution course work)
- demonstrated interest and, or, experience in the field of sport management as reflected in the required written personal statement that accompanies the application for admission

Applications are accepted between November 1 and February 1. The application is available through the Division of Kinesiology’s Office of Student Services (734) 764-4472. Completed applications must be returned to the Office of Student Services, room 3745B. Admission decisions are announced on or before March 15th.

Sport Management Program: Course title and number change overview

Old Course Number	Course Title	New Course Number
203	Sport Business (new title: Introduction to Sport Management)	203
300	Sport Management (new title: Strategy of Sport Organizations)	342
302	Sport and the Media	431
303	Legal Aspects of Sport Administration	333
304	Sport Ethics	434
306	Principles of Marketing	346
307	Psychological Aspects of Sport and Exercise	437
313	Economics of Sport	331
313	Organizational Behavior of Sport Organizations	332
313	Introduction to Sport Finance	341
313	Human Resource Management in Sport	432
313	Sport and Public Policy	433
313	Sales Management for the Sport Industry	444
313	Sport in the Context of American Leisure	445
318	Advertising and Promotional Strategies	446
351	Race Relations, Cultural Images, and Sport	436
413	Research Methods for the Sport Industry	349
435	Sport and the Consumer	435

The Sport Management Undergraduate Program

*The requirements below apply to students admitted in Kinesiology **prior** to the fall of 2003.*

The Sport Management (SM) program was established in 1985 in response to the need for qualified professionals in the business of sport. The program familiarizes students with the diverse aspects of sport management, including legal issues, promotion and marketing, fundraising, and sports media relations. Students in the program may prepare for management

positions in professional, collegiate, and interscholastic sports; management positions in campus and community programs; and jobs as sport information specialists. The program also provides a foundation for graduate programs such as a MBA or law school. The Sport Management (SM) field experience and internship program provides students with practical work experience that often links to job opportunities after graduation. The Sport Management program also reflects a strong commitment to the liberal arts. Students who complete the SM program receive a Bachelor of Arts (B.A.) degree in Sport Management.

Distribution Requirements

Students must complete the Distribution Requirement of a minimum of 12 credits in each of three areas (Humanities, Natural Science, and Social Science) to fulfill Kinesiology's commitment to providing a liberal arts education.

Field Experience and Internships

The Sport Management internship enables students to earn credit and gain valuable training in business, sports, and school settings. Students are eligible to earn internship credits (SPTMGMTC 403) after achieving senior standing. Internships usually involve 200 or more hours of work per term and earn 4 credits. Typical internship settings include sport and recreation facilities; corporate and business offices; fitness organizations; broadcast and print news media; sports information offices; and the management and marketing offices of professional and intercollegiate sports teams.

Degree Requirements

Students who wish to complete the program in Sport Management (SM) must complete the following courses:

- **MOVESCI 110.** Biological and Behavioral Bases of Human Movement (4 credits)
- **PHYSED 310.** Applied Human Anatomy and Physiology (5 credits) (NS)
- **SPTMGMTC 101.** Public Interpersonal Communication (3 credits) (HU)
- **SPTMGMTC 111.** Historical and Sociological Bases of Human Movement (3 credits)
- **SPTMGMTC 203.** Sport Business (3 cr.)

Distribution Requirements

Students must also complete the Distribution Requirement of 12 or more credits in each of three areas: Humanities (HU), Natural Science (NS), and Social Science (SS.)

Courses Required Outside of Kinesiology

- **ENGLISH 125.** College Writing (4 credits) or equivalent. (with a C or better)
- **ENGLISH 225.** Argumentative Writing (4 credits) or equivalent. (HU)
- **PSYCH 111.** Introduction to Psychology (4 credits) (SS)

Sport Management Course Requirements

Students majoring in Sport Management are required to complete an additional 31 credits in Kinesiology. A minimum of 27 credits must be completed in the Sport Management curriculum. Sport Management faculty advisors must approve any non-SM courses (a maximum of 4 non-SM credits may be approved). A minimum of 6 credit hours must be completed from category A, and a minimum of 6 credit hours must be completed from category B.

Business and Management Electives (Category A) (6 credits)

- **SPTMGMTC 300.** Sport Management (3 credits)
- **SPTMGMTC 303.** Legal Aspects of Sports Administration (3 credits)
- **SPTMGMTC 332.** Organizational Behavior of Sport Organizations (3 credits)
- **SPTMGMTC 432.** Human Resource Management in Sport (3 credits)
- **SPTMGMTC 341.** Introduction to Sport Finance (3 credits)

Marketing and Communications Electives (Category B) (6 credits)

- **SPTMGMTC 302.** Sports and the Media (3 credits)
- **SPTMGMTC 318.** Advertising and Promotion Strategy (3 credits)
- **SPTMGMTC 306.** Principles of Marketing (3 credits)
- **SPTMGMTC 351.** Race Relations, Cultural Images and Sport (3 credits)
- **SPTMGMTC 401.** Sport Marketing (3 credits)
- **SPTMGMTC 435.** Sport & the Consumer (3 credits)
- **SPTMGMTC 444.** Sales Management for the Sport Industry (3 credits)
- **SPTMGMTC 349.** Research Methods for the Sport Industry (3 credits)

General Sport Management Electives (Category C) (19 credits)

***Your faculty advisor must approve election of non-Sport Management courses as Kinesiology elective credit.**

- **SPTMGMTC 202.** Principles and Practices in Athletic Coaching (3 credits)
- **SPTMGMTC 304.** Sport Ethics (3 credits)
- **SPTMGMTC 307.** Psychological Aspects of Sport and Exercise (3 credits)
- **SPTMGMTC 390.** Field Experience (1-6 credits)
- **SPTMGMTC 402.** Teaching Experience for SPTMGMTC students (1-3 credits)
- **SPTMGMTC 403.** Internship (4 credits)
- **SPTMGMTC 413.** Research Methods for the Sport Industry (3 credits)
- **SPTMGMTC 433.** Sport and Public Policy (3 credits)
- **SPTMGMTC 331.** Economics of Sport (3 credits)
- **SPTMGMTC 445.** Sport in the Context of American Leisure (3 credits)

Undergraduate Academic Policies and Procedures

The policies and procedures described in this section govern the conduct of academic matters affecting students enrolled in Kinesiology. Exceptions to these policies may be granted only

upon written petition through the Office of Student Services (OSS). Petitions involving transfer of credit for courses numbered 200 or higher and required for your major involve approval of faculty in your major.

Course Load and Degree Progress

Full-time undergraduates may elect academic loads of 12-18 credits for a full term or 6-8 credits for a half-term (spring or summer). Exceptions to this policy are first-year and transfer students. First-year students are encouraged to elect 14-16 credits for their first full term. Students who wish to elect loads exceeding 18 credits (full term) or 8 credits (half term) must obtain special approval from the Office of Student Services. Students in Physical Education who wish to elect more than 17 hours during their term of directed teaching must petition for permission (contact the Physical Education Chair).

Students usually complete their degree program in 8-10 regular (fall and winter) terms of full-time study, or the equivalent, but Kinesiology recognizes that many students may require more or less time to complete their program. Since the considerations for determining academic loads and degree progress are often complex and personal, students are encouraged to discuss elections with their advisor each term.

Class Standing

The number of credits earned toward a degree determines class standing:

- Freshman: fewer than 25 credits
- Sophomore: 25 through 54 credits
- Junior: 55 through 84 credits
- Senior: 85 credits or more

Adding and Dropping Courses

Students are encouraged to finalize their schedules as early as possible. There are always more options available prior to the drop and add deadlines. Students are encouraged to contact the instructor of any class they plan to add after the first week; certain classes may have restrictions on allowing students to enter after the first week.

Schedule changes during the **first three weeks** of a full term (or the first two weeks of a half term) should be approved by an advisor. Schedule changes **after the third week** of the fall and winter terms require the written approval of an OSS staff member. Late elections must be requested by submitting a Late Add Request form, available on the Kinesiology website or in the Office of Student Services. Students considering schedule changes are encouraged to discuss their situation with a faculty advisor or advisor in the Office of Student Services before the drop/add deadlines. After the **third week of term**, a student who officially drops a course receives a “W” on the transcript, indicating an official withdrawal from the class and resulting in a fee for withdrawing after the drop deadline. Students complete the Drop/Add form (available from the Administrative Assistant in OSS) between the third and sixth weeks of a full term and second and fourth weeks of a half term.

The **deadline for dropping a course** without petition occurs **six weeks** after the first day of class for students of the fall or winter term and the second Wednesday of the spring and summer half terms. All Kinesiology undergraduate students requesting to drop a course after these deadlines must complete a "Late Drop Petition" available in the Office of Student Services. The course instructor and the student's assigned advisor must sign Late Drop Petitions. The Director of Student Services will make the final decision based upon faculty policies concerning late drops. Drops during this period in the term are seen as a serious matter and should be requested only in circumstances that could not have been predicted or prevented by the student. Students are encouraged to meet with an OSS staff member regarding any situation in which they anticipate the need to drop a course. OSS staff will assess the situation and advise the student of various options.

The following reasons will be considered sufficient (when appropriate evidence is presented) for approval of late drops:

1. Incorrect course placement due to University error.
2. The content of a course differs significantly from that described by the instructor during the first six weeks of the term.
3. A change in the student's educational goals or objectives that may result in significant change of program or a cross-campus transfer.
4. Demonstrable personal conflict with the instructor.
5. Severe personal health problems.
6. Other severe and unforeseen problems which would adversely affect the student's ability to complete the course.

Students should make every effort to plan ahead throughout the term in order to prevent problems that may affect their academic performance.

Any course dropped without permission will be recorded as an unofficial drop, designated on the transcript as "ED," which is figured into the term and cumulative grade point average as an "E."

Withdrawal from the University

Students may withdraw completely from the University at any time during the term up until the last day of classes. A signature and approval is required from one of the staff members in the Office of Student Services. Students cannot withdraw completely from a term online, even prior to the beginning of the term. After the last day of classes, a student who wishes to withdraw must petition for retroactive withdrawal and should consult the Office of Student Services regarding this process. Withdrawals after the third week of the term result in transcript notations. Students should be aware that the University fee structure has specific deadlines that are posted on the Registrar's website (www.umich.edu/~regoff).

Repetition of Courses

Students repeating a course in which they originally earned a grade of A+ through D-, "P," "CR," or "S," will receive Michigan Honor Points but no additional credit toward a degree. The course and grade appear on the transcript with the notation "Not for Credit." Repetition of a course in which an "E," "F," or "U" grade was originally earned produces both credit hours

toward a degree and Michigan Honor Points for courses elected on the graded pattern; there is no special transcript notation. In all such cases, the first election and grade earned remain on the transcript.

Special Kinds of Academic Credit

Independent Study

Credit toward graduation will be given for up to 10 hours of independent study. All 10 hours may be taken within Kinesiology. Kinesiology courses identified as Independent Study are:

- AT 488
- MOVESCI 380
- MOVESCI 382
- MOVESCI 384
- MOVESCI 488
- PHYSED 370
- PHYSED 380
- PHYSED 470
- SPTMGMTC 370
- SPTMGMTC 380
- SPTMGMTC 470

To be eligible for Kinesiology independent study courses a student must have completed a minimum of 54 credit hours. A student must have a minimum 3.000 G.P.A. overall prior to enrolling in MOVESCI 382 or MOVESCI 384. Each independent study course is 1 to 3 credit hours. No more than 4 credits of independent study may be elected per term. See your faculty advisor for more information.

Students wishing to participate in an independent study course must complete the Kinesiology Independent Study Contract approved by their faculty advisor (form available in the Office of Student Services area). The student must also notify their faculty advisor of independent study courses taken outside Kinesiology. Since independent study options differ among the four-degree programs, students should be sure to consult their faculty advisor for specific information.

Field Experience

Credit is available through Kinesiology as well as several departments within LSA. Two popular field experience courses in LSA include Project Community (Sociology Department) and Project Outreach (Psychology Department).

Field Experience courses within Kinesiology include: AT 461 and 403; MOVESCI 280, 390, and 403; PHYSED 280, 390, and 402; and SPTMGMTC 280, 390, 403. Since field experience options differ among the four-degree programs, students should be sure to consult their faculty advisor for specific information.

Transfer Credit

A maximum of 70 credits may be transferred toward a Kinesiology degree. For further information about transfer credit for Kinesiology courses, contact the Office of Student Services.

For further information about transfer credit for courses outside of Kinesiology, you may consult the transfer credit web page at <http://www.lsa.umich.edu/saa/transfer/admissions> and/or contact the University's Office of Credit Evaluations, 1220 Student Activities Building.

Transfer credit is defined as out-of-residence. At least 24 of a Kinesiology student's final 30 credits towards graduation must be completed in residence (on the Ann Arbor campus or through UM-Ann Arbor sponsored study abroad).

Advanced Placement Credit

Advanced placement credit for students who have taken examinations through the College Level Examination program of the College Entrance Examination Committee receive credit based on standards established by the departments that grant credit here at the University. Standards for the award of credit are available from the University's Undergraduate Admissions Office or on the Office's website. An advanced placement course may count for Kinesiology distribution requirements only if it has been awarded credit for a UM course which is approved for distribution credit by LS&A.

Retroactive Credit for Foreign Languages

Several foreign language departments in the College of Literature Science and the Arts have arranged for students with high-level placements to receive additional credit if they successfully complete coursework at the University. Students should check the LSA Bulletin or with the individual departments to determine their eligibility. Students eligible to receive retroactive language credit should complete the form available in OSS or on the Kinesiology website after successfully completing required coursework.

Pass/Fail Option

Kinesiology offers an optional pass/fail grading pattern so that students can explore other disciplines and courses within the University.

You may elect one course outside of Kinesiology each term on a pass/fail basis under the following guidelines:

1. A maximum of four courses outside of Kinesiology and **not specifically required for degree** may be elected on a pass/fail basis (no more than one per term). This does not include courses that are mandatory credit/no credit or satisfactory/unsatisfactory.
2. A change in grading pattern for a course is not permitted after the first three weeks of a full term or first two weeks of a half term. The grading pattern must be indicated on the official class schedule printout. Petitions requesting a change of pass/fail to a letter grade or vice versa after the first three weeks of the term may be considered only in very compelling circumstances.
3. The course(s) elected pass/fail will carry graduation credit but no honor points.
4. Instructors will report grades as usual "A +" through "E." The Office of the Registrar will then translate the grades as follows:

- A grade of “A +” through “C -” shall be entered on the transcript as “P” (pass-for credit).
 - A grade of “D +” or lower shall be entered on the transcript as “F” (fail-no credit).
5. Kinesiology courses and courses required in Kinesiology degree programs may not be elected as pass/fail.

Student Records

The Office of Student Services maintains admissions and advising files. Students who wish to review their advising files may do so by scheduling an appointment with an OSS staff member. Students have the right to examine and request duplicate copies of all materials in their own academic files. Students may also add clarifying notes and other materials to their advising files at any time.

The Family Education Rights and Privacy Act of 1974 is observed for all matters relating to student records. The official University of Michigan policy on student rights and student records is found at <http://www.umich.edu/~regoff/ferpa/>.

Access to student advising files is restricted to academic and faculty advisors and administrative and clerical staff in the Office of Student Services.

Academic Records and Transcripts

The Academic Record is an official record of a student’s course elections, grades, and credits earned toward a degree. It is stored electronically. The transcript contains the cumulative record of a student’s enrollment. When degree requirements have been satisfied and a student has graduated, the degree earned is posted on the transcript.

Kinesiology academic records are maintained in the Office of Student Services and by the Office of the University Registrar, Records Office, 1513 LSA Building. Students who believe an error has been made on their transcripts should contact the Office of Student Services.

Official transcripts and unofficial academic reports are available from the Registrar’s Office, 1010 LSA Building or can be ordered on line from Wolverine Access. Normally the processing of transcript requests takes a few days, but students should be aware that at the end of each semester the process is likely to be delayed due to grade posting.

Transcript Notations

CR/NC (Credit/No Credit): If the instructor of a mandatory Credit/No Credit course decides a student’s work deserves credit, “CR” (Credit) is posted on the transcript. If the instructor decides that a student’s work does not justify the awarding of credit, “NC” (No Credit) is posted on the transcript. Courses designated “CR” earn credit toward degree but no honor points. Courses designated “NC” earn neither credit nor honor points.

ED (Unofficial Drop): Courses dropped without permission will be designated on the transcript with a grade of “ED” (Unofficial Drop). The “ED” is figured into the term and cumulative grade point average as an “E.” and is considered a completed failed course.

I (Incomplete): Students are expected to complete their courses and submit all coursework on time. If a student is unable to complete all requirements for a course on time, but has only a small amount of work remaining unfinished at the end of a term, the student may negotiate an incomplete grade with the instructor. Given the approval of the instructor, a student may earn an Incomplete (“I” on the transcript) for a course in which a small amount of the work remains unfinished at the end of the term. All unfinished work must be submitted to the instructor within four weeks after the beginning of the next full or half term in which the student is enrolled. The instructor then has a short period of time to submit the grade to the registrar’s office. If the student fails to complete the work to the instructor’s satisfaction and within the four-week time limit, the “I” will automatically lapse to an “E” and no credit will be granted for the course. Students who are unable to complete the remaining coursework by the deadline may, with the instructor’s permission, petition for an extension of time through the Office of Student Services.

NR (No Report): A notation of “NR” on the transcript signifies that the instructor has not reported a grade. A grade of “NR” is calculated in the term and cumulative grade point average as an “E.” If the “NR” is not resolved within four weeks after the beginning of the next fall or winter term in which the student is enrolled, the notation will automatically lapse to an “E.”

P/F (Pass/Fail): Students in good academic standing may elect a total of four courses outside Kinesiology on a pass/fail basis, but no more than one per term in addition, no course specifically required for a major in Kinesiology may be elected pass/fail. Instructors report grades as usual to the Office of the Registrar, which then translates the grades as follows: A+ through C- = P (credit but no honor points); D + or lower = F (no credit and no honor points).

S/U (Satisfactory/Unsatisfactory): Some courses, particularly in the area of field experience, are graded “S” and “U” only. Students may not petition for any other grade in these courses.

W (Withdrawal): The notation of withdrawal indicates that the course was dropped officially after the third week of a full term or the second week of a half term.

X (Absent from Examination): Final examinations are given in accordance with the schedule published in each term’s Time Schedule. Students who miss the final examination but have completed all other work for a course will receive a notation of “X.” Policies for resolving “X” grades are the same as those for an “I.”

Other grade notations used by the Registrar’s Office:

- Indicates the student’s name appears on the class roster, but the instructor does not submit a grade for the student.

Blank – No grades were submitted by the instructor for the class roster.

and **Blank** grades will be treated like an Incomplete (I) and initially will not be calculated into the term or cumulative grade point average. The student will have until the end of the first four weeks of the following fall or winter term to resolve the grade, or it will lapse to an “E” and be considered a failing grade which will then be calculated into the term and cumulative grade point average.

Auditing Courses (Visitor Status)

Students are expected to elect courses for credit. Occasionally, however, a student may wish to attend a course but not elect it for credit, in which case he/she may officially audit a course. An official audit obligates a student to attend classes regularly and complete course requirements (for example, papers, laboratory assignments, tests, and the final examination). Regular tuition fees apply, and the course appears on the transcript with the notation VI (Visitor); no grade is posted and no degree credit earned.

To arrange an official audit, a student must submit a written statement, signed by the student and the instructor, to the Office of Student Services. The statement must indicate the reasons for the official audit and outline the student’s obligation to fulfill course requirements. Students should obtain approval for an official audit from the Office of Student Services before electing the course.

Students who do not fulfill course requirements earn the grade ED to indicate that the course was unofficially dropped. In these special cases, the term and cumulative grade point averages remain unaffected. A course elected as an official audit without permission will be posted on the transcript as an unapproved election. The Office of the Registrar for both approved and unapproved audits assesses tuition.

Academic Honors

University Honors

Students who earn a minimum of 14 credits in courses which include 12 credits elected on a *graded* basis (A-E) and who earn a 3.5 grade point average are eligible for University Honors. This distinction is posted on a student’s transcript by the Office of the Registrar, and recipients of this honor may be invited to attend the annual Honors Convocation.

Degrees with Distinction

Students who have completed at least 60 semester hours at the University of Michigan with a grade point average of at least 3.9 will be recommended for a degree “with highest distinction”.

Students who have earned a grade point average of at least 3.7 but less than 3.9 will be recommended for a degree “with high distinction”.

Students who have earned a grade point average of at least 3.5 but less than 3.7 will be recommended for a degree “with distinction”.

Grading System

Kinesiology uses this grading system:

<u>Grade</u>	<u>Honor Points</u>
A+	4.0
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	0.7
E	0.0

Honor Points

The honor points earned for a course are calculated by multiplying the number of credit hours for which the course was elected by the honor point value of the grade received in the course. For example, a 3-hour course with a grade of “B” is worth 9 honor points. The grade point average is obtained by dividing the total number of honor points earned by the total number of hours elected with honor point credit.

Academic Standing and Probation

Students must be in good standing (an overall grade point average of at least 2.000) in order to be considered eligible for graduation from Kinesiology. For directed teaching and teacher certification, students need a 2.5 GPA calculated separately in the major and the minor.

At the end of each term the records of all students whose term or overall grade point average has fallen below a 2.000 are reviewed by the Academic Review Committee for academic probation purposes. Each student subject to academic discipline is dealt with on an individual basis.

Kinesiology may take the following discipline measures:

Action Pending (AP) - Students may be placed on Action Pending for a variety of reasons: if their earned or unearned grades have caused their term or cumulative grade point average to fall below 2.000; if they have an unusual number of Incomplete grades for a term; or if the Academic Review Committee feels more information is necessary to make an appropriate decision about academic standing. Students must meet with an Academic Advisor from the Office of Student

Services to review their academic performance. Further disciplinary action will be based upon the results of that meeting and investigation.

Probation (PRO) - If a student's term grade point average falls below 2.000, he or she will be placed on academic probation. Students placed on probation will be informed of their probationary status by a letter outlining the terms of their probation which includes meeting with an Academic Advisor and participation in a program of academic counseling. Students on probation are expected to raise their next term's grade point average to at least 2.000 or to make substantial progress toward reducing their honor point deficit during their next term in Kinesiology.

Honor Point Deficit Calculation:

Use Cumulative totals to calculate cumulative deficit; use Term totals to calculate term deficit. Totals reflect the number of "B" grade credits needed to raise the cumulative or term GPA to 2.0.

$(\text{Michigan Semester Hours (MSH)} \times 2) - \text{Michigan Honor Points (MHP)} = \text{Honor Point Deficit}$

Note: GPA is calculated by dividing Michigan Honor Points (MHP) by Michigan Semester Hours (MSH)

Probation with Warning (PW) - Students may be placed on Probation with Warning if their term GPA is below 2.000 for a second consecutive term, or if their cumulative GPA is below 2.000. Students on Probation with Warning are experiencing recurrent or severe academic difficulties. Students who demonstrate incremental improvement in grades during subsequent terms, but whose GPAs remain below 2.0, may be allowed to continue on Probation with Warning until they achieve a cumulative GPA of 2.0. If a student shows no improvement during the term following placement of the initial Probation with Warning, the student may be dismissed from Kinesiology.

All students on Probation or Probation with Warning should meet with an OSS Academic Advisor. Students on Probation with Warning may be required to create a "Contract for Academic Probation." This contract will specify the steps the student must take to return to good academic standing. The contract will be completed and signed by both the student and the advisor and will become part of the student's academic file. In addition, students will be required to meet regularly with their Advisor to review progress throughout the term. Meeting the terms of this contract will be considered as part of the Academic Review evaluation of the student's progress.

Record Clear (RC) – A student who is on Probation or Probation with Warning who achieves a cumulative grade point average of 2.000 will be removed from Probation and their record will be cleared. It is important that the student maintain a grade point average at or above 2.0 to remain in good standing.

Academic Dismissal (NTR) - Students who have been on Probation or Probation with Warning may be dismissed from Kinesiology (NTR – Not to Register) if they are not making adequate

progress toward achieving a cumulative grade point average of 2.000. However, on occasion, a student may be dismissed without ever having been placed on probation.

When reaching a decision involving academic dismissal, Kinesiology considers the student's academic career and progress toward their degree as well as any extenuating circumstances.

Students who are dismissed should meet with the Director of Student Services to discuss options.

Appeals may be submitted if additional information (not previously addressed) is available.

Students may petition the Director of Student Services for reinstatement after one semester.

Student Integrity and Academic Misconduct

The case of each student whose academic or nonacademic conduct is deemed unsatisfactory is reviewed in accordance with Kinesiology disciplinary procedures. Violations of ethical behavior include but are not limited to plagiarism, cheating, fabrication, aiding and abetting dishonesty, and falsification of records.

Definitions

Plagiarism means submitting a piece of work (such as an essay, research paper, assignment, lab report) which in part or in whole is not the student's own work and which does not correctly credit those sources to their original author.

Cheating means using unauthorized notes, study aids, or information from another student's paper on an examination; altering a graded work after it has been returned and then submitting the work for re-grading; and allowing another person to do one's work and to submit the work under one's own name.

Fabrication means presenting data that were not gathered in accordance with guidelines defining the appropriate methods for collecting or generating data and failing to include a substantially accurate account of the method by which the data were gathered.

Aiding and abetting dishonesty means providing material or information to another person with knowledge that these materials or information will be used improperly.

Falsification of records and official documents involves altering documents affecting academic records or forging an authorizing signature or information on an official academic document, including an election form, grade report, letter of permission, or petition.

Policy

Faculty members will define any special considerations for academic misconduct in their course on the syllabus and help students understand what uses may be made of the work of others and under what conditions. Students are responsible for understanding the definitions of Academic Misconduct as specified in the Bulletin for each school in which classes are taken.

Procedure

Faculty members who believe that a case of Academic Misconduct has occurred, whether in Kinesiology or in another school, may question the student directly. If the student accepts responsibility for the misconduct, the faculty member may institute action immediately following guidelines determined by Kinesiology faculty. For a minor, first time offense, the faculty member may notify the Academic Program Coordinator with the facts of the case and request assistance.

With or without input from Academic Program Coordinator regarding the action to be taken, subsequently faculty members shall share with the Academic Program Coordinator the facts of the case and the action taken. The Academic Program Coordinator will create an administrative file for the student detailing the facts and the action taken.

In the case of a major offense, such as extensive plagiarism of an assignment, or repeated minor offenses, the faculty member shall notify the Academic Program Coordinator detailing the facts and proposed actions to be taken. The Academic Program Coordinator will convene the Academic Integrity Committee, comprised of the Academic Program Coordinator and a member of the Office of Student Services. The committee will review the facts and meet individually with the student to discuss the implications of the misconduct. In most cases, the Academic Integrity Committee will follow the recommendations of the faculty member on the action to be taken. In some cases, the Committee may wish to consult with the faculty member and request a revision of the action to be taken.

The Committee will then send a letter of confirmation to the student specifying the actions to be taken and placing the student on "Non-Academic Probation" for at least one term.

Sanctions

Typical action for major offenses might be a failing grade on the assignment or in the course. For repeated or major offenses, the student may also be required to perform community service for a specified period. At the end of the probationary period, the student may petition to have the probation notation removed from their record. The Committee will review the student's performance during the probationary term, and if there have been no further incidents of misconduct, and the student has fulfilled any other requirements, the Committee will lift the probation from the transcript. If the faculty member chooses not to question the student directly, or if the student denies responsibility, the faculty member may submit evidence against the student to the Academic Program Coordinator. The case will be brought to the Academic Integrity Committee for review of the facts. Committee members will discuss the case with the faculty member and the student.

If the student accepts responsibility, the Committee will recommend action in consultation with the faculty member and the student will be placed on Probation for a period of at least one term. A notation, "Non-Academic Probation" will be placed on the student's transcript. At the end of the probation period, the student may petition to have the probation notation removed from their

record. If there have been no further incidents of misconduct and the student has fulfilled any other requirements, the probation will be lifted.

Appeal

If either the faculty member or the student objects to the administrative finding, a formal hearing will be empanelled composed of the Director of the Office of Student Services, a different faculty member and a student. Students participating in the Academic Integrity hearings will be chosen from a pre-selected and qualified group of Kinesiology students designated each year. This panel will have final judgment for the case. In more serious cases and in the case of second occurrences of misconduct, penalties may include suspension and dismissal.

Students who are suspended for Academic Misconduct will have a notation, "Non-Academic Suspension" placed on their transcript. Suspension will be for at least one term. Students suspended for Academic Misconduct must reapply for admission to the Director of OSS who will convene the Academic Integrity Committee to review the case and make the final decision. Files of academic misconduct cases will be established as administrative files, maintained separately from academic files, which are used for advising purposes.

Petitions for Substitutions and Waivers

Students have the right to petition or appeal undergraduate program policies. Petitions should be discussed with a Student Services staff member prior to submission. Requests for substitutions or waivers for courses listed as 200-level or below require only approval from the Director of OSS. Any other requests for deviation from degree requirements require faculty advisor approval and approval by the Department Curriculum Representative.

If a student wishes to appeal a negative decision about a petition, the student will request that their faculty advisor take the petition to:

1. the curricular unit for exceptions to the content of the major
2. The Curriculum Committee for exceptions for all other issues.

The Office of Student Services welcomes hearing from students and will assist with any concerns or problems that may arise regarding the petition or appeal process.

Residence Status

Tuition is higher for nonresidents of Michigan than for residents. To find out if you qualify for in-state residence status, consult the University's residence regulations. Questions about residence status or requests for a change in residence status should be addressed to the Office of Student Certification and Residence Status in the LSA Building.

Senior Audits

Students who have completed between 60 and 90 credits should contact the Student Recorder in OSS to arrange a senior audit. The Recorder will review the student's completed coursework

against the program requirements. The Recorder or an OSS Academic Advisor will then review the audit results with the student to determine which requirements have been satisfied and which requirements remain.

Diploma Application

Deadlines for submitting a diploma application are as follows:

May degree – December 1st

August degree – March 1st

December degree – September 30th

If you fail to complete all requirements during the term in which you file the diploma application, the application cannot be held for the subsequent term. You must file a new diploma application in order to be considered again for the degree. Diploma applications are available from and should be returned to the Office of Student Services.

NOTE: Students in the Physical Education program should verify diploma application procedures with the auditor of degrees in the Office of Student Services and with the Office of Academic Services in the School of Education.

Final Degree Audits

Students filing the Diploma Application will have a degree audit automatically conducted by the Student Recorder in OSS. The Recorder will notify students of any requirements remaining, and will also consult with students on any areas which are in question. The Recorder will make final decisions on whether the student has met graduation requirements for the term indicated on the application.

Undergraduate Admission, Registration, and General Information

Admission

Students interested in applying to Kinesiology should contact the U-M Office of Undergraduate Admissions at 734-764-7433 or via the Internet (<http://www.admissions.umich.edu/index.html>).

This office handles all first-year and transfer undergraduate admissions, including applications for non-degree status, readmission, special student status, and cross-campus transfers at the undergraduate level, as well as general information regarding University admissions policies and procedures. Enrollment in all programs is limited. Transfer students should inquire about program space before applying.

Admission Criteria

Kinesiology usually admits students in their first and second years of college study. First-year applicants who plan to major in Movement Science, Athletic Training, or Physical Education should include in their high school preparation one year each of biology, physics, and chemistry; although these are not mandatory requirements for admission, they will prove helpful to the incoming student. Students planning to major in Sport Management should emphasize writing, economics, communications, and mathematics. Requirements for admission to Athletic Training are outlined in that section. Athletic Training, Physical Education, and Sport Management require supplemental applications in the freshman and sophomore years.

Kinesiology admits students from other U-M schools and colleges (cross-campus transfers) or other colleges and universities (new transfers) on a selective basis. The major factors considered in reviewing applications are the quality of previous academic work and the field of special interest. Transfer students considering athletic training should consult the program director before applying.

Application Procedures

The following materials are necessary for application:

1. The appropriate application for admission (cross-campus transfer, transfer, or first-year student).
2. A nonrefundable application fee in the form of a credit card, check or money order payable to the University of Michigan; \$40 for applicants with domestic addresses; \$55 for applicants with foreign addresses who are not currently students at the University.
3. Official transcripts of previous academic work. Transfer students must submit transcripts from each college or university attended, as well as a high school transcript. First-year students should submit a high school transcript.
4. ACT or SAT test results. Since test scores are just one of many criteria used by the Office of Admissions to determine an applicant's prospects for academic success, a minimum test score is not required for admission. Transfer students are usually not required to submit test scores.

The application, transcripts, and ACT or SAT scores should be submitted to the U-M Director of Admissions, 1220 Student Activities Building, Ann Arbor, MI 48109-1316.

Application Deadlines

Application deadlines depend on the term for which admission is sought. The University of Michigan's academic year consists of a fall, a winter, and a spring-summer term. In addition to the full spring-summer term there is a spring half term and a summer half term. Students new to the University of Michigan are admitted to Kinesiology in the fall and winter terms. University of Michigan students who wish to cross-campus transfer may apply for any term.

Cross campus transfer students should apply at least six weeks before the start of early registration for the term in which they wish to enroll. Specific term starting and registration dates

are provided in the University Time Schedule published each term.

First-year students should submit the application and all supporting materials for fall term by February 1 and for winter term by October 1. Students transferring from another institution should apply for fall term by March 1 and for winter term by October 1.

Enrollment Deposit

Admitted students must submit a nonrefundable \$200 enrollment deposit which will be applied to first-term expenses. The Office of Admissions will provide instructions and deadlines for payment of this deposit.

Admissions Counselors and Resources

Academic Advisors in the Kinesiology Office of Student Services and Admissions Counselors in the Office of Admissions are available to discuss academic interests and career goals with prospective students, particularly those redirecting their educational goals or returning to school after an educational interruption. Call or write the Kinesiology Office of Student Services in advance for an appointment (phone 734/764-4472 or email kinossgroup@umich.edu).

Transfer Credit

Students transferring from another institution should use the information available in this Bulletin and from the Office of Admissions to carefully plan their academic programs. For specific information about transfer credit for courses outside of Kinesiology, contact the Office of Credit Evaluations in the Admissions Office. Some transfer credit information is available on the Admissions website (<http://www.admissions.umich.edu/prospective/transfers/credit.html>). For further information about transfer credit for Kinesiology courses, consult the Kinesiology Office of Student Services. The University of Michigan is on a semester hour system; when transferring credit, check with both your home institution and the University of Michigan to make sure credits are accepted on an equivalent basis.

Students may transfer a maximum of 70 credit hours from another four-year institution. The maximum number of hours accepted from a two-year college is 60, but once a student has attained junior standing in Kinesiology, no additional two-year college work may be counted for credit. Normally, the maximum number of credit hours taken during a regular college year that may be transferred from an accredited institution is 31.

Transfer credit is defined as out-of-residence. At least 24 of a Kinesiology student's final 30 credits towards graduation must be completed in residence (on the Ann Arbor campus or through UM-Ann Arbor sponsored study abroad).

Appropriate transfer credits earned at accredited institutions will be accepted by Kinesiology provided that a grade of "C" (2.000) or higher has been earned in the course(s) to be transferred.

Grades and grade point averages do not transfer from institutions outside the University of Michigan, and do not appear on the Kinesiology transcript. Students admitted with advanced standing will receive a copy of their credit evaluation to aid them in program planning and course selection.

Not Candidate for a Degree (NCFD)

Students who wish to take courses but do not wish to earn a degree at the University of Michigan may apply for special student status. All applicants for special student status must have a definite purpose in attending the University of Michigan. Applications are available from the Office of Admissions and should be returned to that office.

Readmission

If you were previously enrolled in Kinesiology but have not registered for more than one calendar year, you must apply for readmission to the University through the Office of Admissions. Generally, readmission is granted to those students who left in good standing. Students who were not in good standing at the time they left the University should contact the Kinesiology Office of Student Services before applying for readmission to the University. If you have taken courses at another institution during your absence, an official transcript must be submitted to Admissions prior to readmission.

Orientation

The Office of New Student Programs in the Student Activities Building provides information about U-M Orientation, during which new students meet with an academic advisor, select courses, register, and become acquainted with the University. Orientation is mandatory for all newly admitted students.

Registration

The University of Michigan's computer registration process through Wolverine Access (<http://wolverineaccess.umich.edu>), a web based registration process, stores information about courses, students' course elections, unofficial transcripts, and wait-lists for some courses.

Registration Procedures

Registration for classes occurs in April for spring, summer, and fall courses, and in November/December for winter term courses. After these early registration periods, students can register until the deadlines published each term in the Time Schedule by the Registrar's Office.

Materials for registration are available in Kinesiology's Office of Student Services. Students should consult with an advisor before registering, and are strongly advised to register early to

avoid scheduling problems. The Office of Student Services and the University Registrar's Office are available to assist with questions regarding registration deadlines.

Cross-campus transfer students who early-registered for classes while enrolled in their previous school, must withdraw and re-register for classes as Kinesiology students once they are admitted to Kinesiology. Students who elect to transfer out of Kinesiology to another school must withdraw from Kinesiology and re-register as students in their new school once they have been admitted to their new school. Please consult with your Office of Student Services advisor for additional information.

Tuition and Fees

The University's current fee schedule is published online at <http://www.umich.edu/~regoff/tuition/>. Students should be aware that there are penalties for late registration, and disenrollment. Late charges and disenrollment fees increase at various points of the term. Consult the current Time Schedule or the Registrar's Office for information about deadlines and fees. The effective date of refund is the date the withdrawal notice is received in the Registrar's Office. Any refund due the student will be mailed to his or her address on record. Registration fees are nonrefundable.

The Office of the Registrar makes fee assessments; students should contact that office for further information. Fees are also listed in the University Time Schedule published each term.

Tuition is higher for nonresidents of Michigan than it is for residents, and higher for upper division students (those with at least 55 credit hours) than it is for lower division students (those with fewer than 55 credit hours). See the University Residence Regulations in this section to determine your residence status. For further information contact the Office of the Registrar, 1514 LSA Building.

Financial Aid

Undergraduates are eligible for one or more of three types of financial aid: 1) scholarships and grants, 2) loans, and 3) Work-Study employment. The Office of Financial Aid in the Student Activities Building administers most financial aid programs for which undergraduates are eligible. The majority of programs are based on demonstrated financial need. Contact this office for information about the financial aid application process and program information.

New students should apply for financial aid by March 1 (for the fall term) in order to receive equal consideration. Students who plan to enter in another term should apply at least eight weeks before the start of that term. Continuing students (including cross-campus transfers) must apply by the deadlines announced by the Office of Financial Aid. It is necessary to reapply for aid each year.

Other scholarships, grants, and short-term loans are available through the Office of Financial Aid. All students may apply for emergency and/or short-term loans from this office for educational or education-related expenses. In addition, this office assists students with budgeting,

and helps students locate other financial resources. Students are encouraged to use the Office of Financial Aid counseling services even if they are not receiving direct financial assistance. In addition to programs available through the Office of Financial Aid, many students find temporary or part-time employment on or near the campus. The Student Employment Office, in the Student Activities Building provides job listings and referral information for students seeking employment. Other sources of jobs are University Employment Services (for both temporary and permanent jobs) in the Wolverine Tower, 3003 S. State St., and Medical Center Human Resources Department (for University Hospital employment), 300 North Ingalls Bldg. Local newspapers, such as the Ann Arbor News, and Michigan Daily also list employment opportunities.

University Residence Regulations for In-State/Out-of-State Tuition Status

1. Since normally a student comes to the University of Michigan for the primary or sole purpose of attending the University rather than to establish a domicile in Michigan, one who enrolls in the University as a nonresident shall continue to be so classified throughout his attendance as a student, unless and until he demonstrates that his previous domicile has been abandoned and a Michigan domicile is established.
2. No student shall be eligible for reclassification as a resident unless he shall be domiciled in Michigan and has resided in Michigan continuously for not less than one year immediately preceding the first day of classes of the term for which reclassification is sought.
3. For purposes of these regulations, a resident student is defined as a student domiciled in the state of Michigan. A nonresident student is defined as one whose domicile is elsewhere. A student shall not be considered domiciled in Michigan unless he is in continuous physical residence in this state and intends to make Michigan his permanent home, not only while in attendance at the University but indefinitely thereafter as well, and has no domicile or intends to be domiciled elsewhere.
4. The following facts and circumstances, although not necessarily conclusive, have probative value in support of a claim for residence classification:
 - a. Continuous presence in Michigan during periods when not enrolled as a student.
 - b. Reliance upon Michigan sources for financial support.
 - c. Domicile in Michigan of family, guardian, or other relatives or persons legally responsible for the student.
 - d. Former domicile in the state and maintenance of significant connections therein while absent.
 - e. Ownership of a home in Michigan.
 - f. Admission to a licensed practicing profession in Michigan.
 - g. Long-term military commitments in Michigan.
 - h. Commitments to further education in Michigan indicating intent to stay here permanently.
 - i. Acceptance of an offer of permanent employment in Michigan.

Other factors indicating intent to make Michigan the student's domicile will be considered by the University in classifying a student.

5. The following circumstances, standing alone, shall not constitute sufficient evidence of domicile to effect classification of a student as a resident under these regulations:
 - a. Employment in any position normally filled by a student.
 - b. The lease of living quarters.
 - c. A statement of intention to acquire a domicile in Michigan.
 - d. Domicile in Michigan of student's spouse.
 - e. Automobile registration.
 - f. Other public records, e.g., birth and marriage records.
6. An alien who has been lawfully admitted for permanent residence in the United States shall not, by reason of that status alone, be disqualified from classification as a resident, provided, however, that aliens who are present in the United States on a temporary or student visa shall not be eligible for classification as a resident.
7. These regulations shall be administered by the Office of the Registrar, in accordance with the following residence review procedures:
 - a. It shall be the responsibility of the student to register under the proper residence classification, to advise the Office of the Registrar of possible changes in residence and to furnish all requested information pertinent thereto.
 - b. Applications for reclassification shall be filed no later than 20 calendar days following the first day of classes of the term for which such reclassification is sought. Such application shall be filed with the Assistant Registrar for Residence Status (see "f" below for address) and shall set forth in writing a complete statement of the facts upon which it is based, together with affidavits or other supporting documentary evidence. Failure to timely file such an application shall constitute a waiver of all claims to reclassification or rebates for such terms.
 - c. Any student may appeal the decision of the Assistant Registrar for Residence Status made pursuant to paragraph "b," above, by taking the following steps within 20 calendar days after notice of such decision was served upon him, either in person, by mail, or by posting in a conspicuous place at 500 South State Street:
 - i. File with the Residency Appeal Committee a written notice of appeal stating the reasons therefore.
 - ii. File said notice with the Assistant Registrar for Student Certification and Residence Status, together with a written request that all documents submitted pursuant to paragraph "b", above, be forwarded to the Residency Appeal Committee. Failure to timely comply with this paragraph "c" shall constitute a waiver of all claims to reclassification or rebates for the applicable term or terms.
 - d. Reclassification, whether pursuant to paragraph "b" or "c" above, shall be effective for the term in which the application therefore was timely filed in accordance with paragraph "b" and for each term thereafter so long as the circumstances upon which the reclassification was based shall remain unchanged. Appropriate refunds shall be made or accounts credited within a reasonable time following such reclassification.
 - e. Classification or reclassification based upon materially erroneous, false, or misleading statements or omissions by or in support of the applicant shall be set aside retroactively upon the discovery of the erroneous nature of such statements.

f. Inquiries should be addressed to:

Residence Status Office
Office of the Registrar
1514 LSA Building
University of Michigan
Ann Arbor, MI 48109-1382
Phone (734) 764-1400

****Please note:** The one year continuous presence requirement may not apply to individuals who can clearly demonstrate that they did not come to the state for either their own or a family member's educational pursuits. These individuals must file a residency application for an official determination of their status.

Graduate Studies

This section of the Bulletin is intended to help graduate students make informed choices about applying to Kinesiology and satisfactorily complete a graduate degree in Kinesiology. Students should be sure to consult a faculty advisor in addition to reading this section.

Kinesiology and/or the U-M Rackham School of Graduate Studies may modify programs, policies, or procedures in the future. Students usually will be governed during their degree program by the requirements and regulations in effect when they were admitted.

Students may refer questions to the Graduate Program Coordinator in Kinesiology or Rackham Graduate School. The following publications are available online:

www.rackham.umich.edu/StudentInfo/index.html

- Rackham Graduate School Bulletin (Student Handbook)
- Rackham Graduate School Bulletin Vol. II (Program Information and Course Offerings)
- Information for Graduate Students

The Master's Degree

Kinesiology offers the Master's of Science (M.S.) and Master's of Arts (M.A.) degrees.

Each degree is intended for students with exemplary academic or professional credentials seeking advanced academic training in areas related to human movement.

The MS and MA Degrees require at least 30 credits of course work; 6 of those credits may be for thesis work courses. Students choose one of three options:

- **Comprehensive track**, allowing for flexible in-depth study of human movement.
- **Ph.D. preparation track**. Intended for students who plan to continue toward a doctoral degree. This track requires a thesis.
- **Specialist track**. Currently Sport Management.

Admission to the Program

Kinesiology welcomes applications from students of all academic programs and disciplines. The Kinesiology Graduate Committee throughout the year makes admission decisions; however, early applications are encouraged since Kinesiology admits fall term only for the Master's program and funded doctoral positions. The competition for funding includes all completed applications received by February 1.

Application materials include:

- Scores on the General Aptitude Tests of the Graduate Record Examination (GRE)
- Official transcripts of earlier academic work
- Three letters of recommendation
- Statement of purpose indicating goals, previous experience, and choice of tracks within the program.
- TOEFL (if applicable)

Time Limit

Students are strongly encouraged to complete the degree within two years after enrollment. Students must complete the Master's degree work within six consecutive years after first enrollment in the Rackham Graduate School.

If a student exceeds this limit s/he must petition the Dean of the Graduate School through the graduate coordinator for a time extension, giving reasons for the request and plans for the continuation/completion of the degree.

Final Degree Check

Students should complete the diploma application for the Master's degree (available in the Office of Student Services) within the first two weeks of the final term of registration. A check is then made to determine if all requirements have been met and a minimum of 5.000 G.P.A. (B) on a 9-point scale has been maintained. A grade must be submitted for all previous incompletes. Students who complete a majority of graduate credits in science-based work within Kinesiology and a majority of credits in scientific coursework outside Kinesiology will receive the Master's of Science (M.S.) degree. Those who take a majority of their program in social science-based work within Kinesiology or who fulfill the cognate requirement in social science or business will receive the Master's of Arts (M.A.) degree.

Comprehensive Track

Students in this track study human movement in depth from different perspectives. The strength of this program is its flexibility; working with their advisors, students can design programs to meet their particular interests.

Degree Requirements

Students must complete a minimum of 30 credit hours for the M.S. or M.A. degree. Students are required to take KINESLGY 615 (Philosophy of Science in Kinesiology Research) and one graduate level research statistics course outside of Kinesiology. In addition, students must elect at least 9 hours of Kinesiology course work. Five of these may be for independent research (e.g. KINESLGY 684), practicum experience, or internships (e.g. KINESLGY 680 and 686).

Included in the 30 credits, each student must also complete at least 4 credits in cognate work outside of Kinesiology.

Ph.D. Preparation Track

Students in this track work closely with a professor in a laboratory or field setting. They participate with mentors in research, generate ideas, collect data, and write a thesis or research paper prior to graduation. The minimum number of credit hours to complete this track is 30. The exact number will vary according to student interests and advisor's requirements.

Degree Requirements

Students must complete a minimum of 30 credit hours for the M.S. or M.A. degree. Students are required to take KINESLGY 615, (Philosophy of Science, and Research in Kinesiology) and one graduate level research statistics course outside of Kinesiology. In addition, students usually complete a Master's Thesis in KINESLGY 619 (see requirements below). Students must elect at least 9 hours of Kinesiology course work. Five of these may be for independent research (e.g. KINESLGY 684), practicum experience, or internships (e.g. KINESLGY 680 and 686).

Included in the 30 credits, each student must also complete at least 4 credits in cognate work outside of Kinesiology.

Master's Thesis

A student with a B+ average for the first 12 credit hours of graduate work will be permitted to proceed with writing a Master's thesis. In addition to a thesis advisor, the student must have two other faculty members serve on his/her committee. Students considering writing a thesis are strongly encouraged to discuss possible topics with potential thesis advisors soon after entering the program.

Faculty Advisors

Any graduate faculty member in Kinesiology may advise in this track.

Specialist Track

Currently, Kinesiology supports one specialist track – Sport Management. Master's students in this track may obtain an M.A. degree.

Sport Management Specialist Track

Students must complete a minimum of 30 credit hours, including:

Core Curriculum (12 hours)

- **KINESLGY 503** Legal Aspects of Sport (3 cr.)
- **KINESLGY 509** Financial Management for the Sport Industry (3 cr.)
- **KINESLGY 514** Strategic Management in Sport (3 cr.)
- **KINESLGY 550** Marketing Management for the Sport Industry (3 cr.)

Requirements

- **KINESLGY 519** Sport Management in Depth (2 cr.)
- **KINESLGY 615** Philosophy of Science & Research in Kinesiology (3 cr.)
- **Sport Management Elective** (3 cr.)
- **Graduate Level Statistics** (3 cr.)
- **Four cognate elective credits of your choice** – any appropriate graduate-level course; a minimum of four credits must be taken outside the Division of Kinesiology.

Remainder of 30 credits must be any appropriate graduate level course offered by the Division or the approved by Rackham Graduate School.

The Ph.D. Program in Kinesiology

I. Overview

The doctoral program leads to the highest degree awarded by the Division of Kinesiology and the University, and provides for the study of movement at an advanced level. The program seeks to develop scholarly and research competence, and culminates in an original doctoral dissertation that adds to the body of knowledge. The program is designed for those who intend to make their careers as scholars, teachers, researchers and professionals in Kinesiology or allied fields.

Ph.D. students choose from a set of core courses in Kinesiology, as well as cognate courses from other units, and complete a minimum of 30 pre-candidacy credits beyond the Master's level. Qualifying examinations must be passed before advancing to candidacy, after which the student

completes an original doctoral dissertation. A minimum of 50 credits including pre-candidacy and candidacy work must be completed to graduate.

All Ph.D. students work closely with a faculty advisor from the beginning of their degree program. Working with the student and advisor, a Guidance Committee, Qualifying Examination Committee, and a Dissertation Committee provide advice and evaluate progress at successive stages of the program.

A principal goal of doctoral training is the achievement of competence as an independent scholar. This entails not only proficiency in research but in the dissemination of knowledge. An important component of knowledge dissemination is guiding the learning of others. Each student's program will be tailored to develop skills in knowledge dissemination.

II. Admission to the Program

A. An applicant to the Ph.D. program must, in most circumstances, have a Master's degree before being admitted. If the Master's degree is in a specialization other than Kinesiology or a closely related field, the student may be asked to complete certain prerequisite coursework in Kinesiology. This coursework would be determined at the time of admission, taking into account the applicant's background and interests. Prerequisite coursework does not count towards the Ph.D. degree.

Exceptions: Certain undergraduate students may be admitted to the program without a Master's degree at the discretion of the graduate committee. To be eligible for consideration to waive the requirement for a Master's degree, at least one of the following conditions must be met.

1. Student must be an outstanding applicant with undergraduate training in a discipline in which they could pursue a doctorate directly without a Master's degree (e.g. psychology, engineering, molecular biology, chemistry).
2. Applicant must be an exceptional student from Kinesiology at The University of Michigan who has demonstrated by extensive work in the laboratory of a mentor that she/he is ready to pursue work at the doctoral level.

In each case, undergraduate students entering the doctoral program without a Master's degree will be expected to exceed the minimum of 30 credit hours of doctoral coursework as necessary to achieve the upper level coursework necessary for their field of research. The Guidance Committee will determine the extent and nature of this additional coursework. For most students this will consist of 10-20 credits beyond the 30 credits required of doctoral students who possess a Master's degree. (Faculty see Appendix)

B. An applicant must have at least a B plus average (3.3 on a 4.0 scale or 6.0 on a 9.0 scale) average in previous graduate work. The relevance of previous graduate work to Kinesiology should be clearly indicated in the application.

- C. An applicant must submit GRE scores. An aggregate score of 1200 on verbal and quantitative sections of the GRE is expected, although this will not be treated as an absolute minimum if other accomplishments are outstanding. We also expect a score of 4.5 or better on the new (as of 2003) writing portion of the exam.
- D. Applicants whose native language is not English must provide TOEFL scores. TOEFL scores range from 0-300 (computer) or 310-677 (written). Minimum scores for acceptance are 220 (computer version) or 560 (written version). A reasonable working knowledge of written and spoken English is a minimum requirement for entry for all students.
- E. As part of the application, a minimum of three letters of recommendation must be received. These should be from professors and/or professionals in careers related to the applicant's interests who know his/her academic background well.
- F. Prior to admission a Division of Kinesiology faculty member must agree to serve as his/her primary advisor. In rare cases a faculty member will not meet the Division's criteria as a primary Ph.D. advisor. In such a case another qualified faculty member may act as co-advisor. The advisor(s) and the student must agree to the advising arrangement before admission can be granted. Please note that an advising arrangement does not imply a commitment for financial support of a student. In some cases partial (or even full) support may be available, but it is not guaranteed.
- G. The applicant must submit a statement of purpose, outlining his/her academic and professional background, as well as specific interests and goals for the Ph.D. program. This statement should be complete and thorough as it provides information that is central to the admission decision.
- H. It is advisable for Ph.D. applicants to visit the campus and meet prospective advisors and current students in the program. Initial contact may be with the prospective advisor, or the Chair of the Graduate Committee. Please allow at least two weeks notice to set up such a visit.
- I. Admissions decisions are made on a periodic basis throughout the year by the faculty, on the basis of all the application materials, and an interview with the applicant, if at all possible. Early applications are strongly encouraged, as the number of places is limited. In addition, various campus-wide fellowships are decided early in the year. Applicants for Fall term admission should apply by February 1 in order to be eligible for such fellowships.

III. Requirements for the PH.D. Degree

Minimum requirements include Kinesiology and cognate coursework, a research rotation, the qualifying examinations, and a dissertation. The program of study for the initial period of coursework is determined in consultation with the advisor, and must be approved by the student's Guidance Committee. General information on graduate student life at Michigan is available on the website of the [Horace H. Rackham School for Graduate Studies](#).

A. Guidance Committee

During the first year, each doctoral student will, in consultation with his/her Ph.D. advisor, convene a Guidance Committee consisting of a minimum of 3 faculty members, at least two of whom must be from Kinesiology (primary advisor plus one other Kinesiology faculty member), and at least one member from outside the department, but at the University of Michigan (cognate). When the committee is finalized, the [Ph.D. Guidance Committee](#) form should be completed and given to the Graduate Program Coordinator (Carrie Stein). During the first year the student and advisor should plan the student's program of study, covering coursework and possible research rotations. A template for planning the coursework and research rotation ([Guidance Committee Plan](#)) is available online. The student will circulate this document to the other Guidance Committee members. The Committee will then meet with the student, and evaluate the proposed program of study taking into account program requirements, the student's interests and background, any special opportunities that may be available. Once approved and revised if necessary, the finalized Guidance Committee Plan will be placed in the student's file and circulated to the Committee members.

B. Coursework

The following are minimum coursework requirements for the Ph.D. degree in Kinesiology. Please note that additional courses may be required by the Guidance Committee and advisor, depending on each student's goals and background

- (1) KIN 615 Philosophy of Science and Research in Kinesiology (3 credits), or equivalent.
- (2) At least two advanced statistics courses (e.g. SPH Biostatistics – 553 Applied Biostatistics; SPH Biostatistics 560 – Statistical Methods in Epidemiology; LS&A Statistics 413 – General Linear Models; LS&A Statistics 503 – Applied Multivariate Analysis, or others).
- (3) At least four more graduate-level courses.
- (4) Two of these four courses must be offered by the Division of Kinesiology. It is assumed that classes offered by one's primary advisor would be a necessary part of each student's coursework.
- (5) At least 4 credits of the remaining coursework must be taken in a unit other than Kinesiology. This meets The Horace H. Rackham School of Graduate Studies' minimum requirement for cognate coursework, although the Guidance Committee may specify additional classes.
- (6) Participation in a monthly, not-for-credit, Kinesiology Seminar is also expected.

C. Research Rotations

One research rotation will be required, and will be completed within the first two years. The research rotation can take place within or outside Kinesiology, but must not be with the student's mentor. The number of credits can range from 3-6 and will be registered for either Kin 684 (Independent Research in Kinesiology), or if outside Kinesiology, a comparable course in the

department of the faculty member serving as supervisor. The grade for the course will be satisfactory or unsatisfactory.

The rotation may be conducted 1 or 2 semesters. The minimum expectation is that the student will complete a project that contributes to the research of the supervisor, and culminates in a written document. Examples include an abstract submitted to a meeting, a manuscript or portion thereof submitted to a peer-reviewed journal, or a thesis submitted to the supervisor. In order to clarify both student and faculty supervisor expectations, a [Lab Rotation Contract](#) must be completed and added to the student's file prior to the beginning of the rotation.

The purpose of the rotation is to broaden and deepen the student's research experience by significant involvement in research activities other than those of the advisor. For some students the rotation may be their first exposure to a research project. For more experienced students, it may be a project culminating in a presentation at a national meeting or publication in a peer reviewed journal. Research rotations may complement the student's interests (for example, learning a relevant research technique) or may provide contrast (for example, pursuing a different topic or studying a primary interest from a different disciplinary point of view).

The rotation should involve background reading, acquisition of techniques novel to the student, interaction with other research group members, interaction with the supervisor, formation of hypotheses, data collection, data analysis and interpretation, and a statement of the significance of the project to the larger questions in that field of research. In addition to the research rotation, it is expected that the student will be involved in the research activities of the mentor throughout the student's tenure.

D. Qualifying Examinations

The charge of the qualifying exam committee is to evaluate the student's readiness to advance to candidacy. The written portion of the process may take different forms depending on the discretion of the advisor and the exam committee with input from the student (e.g. take home exams, closed exams, grant proposals, review papers, etc). The written portion of the exam is followed by an oral defense before the full qualifying exam committee. The following criteria apply regardless of the form the written portion of the exam takes:

- 1) Appropriate knowledge of the field or fields of study for that student (breadth and depth is defined by the student's qualifying exam committee)
- 2) Ability to integrate information from various disciplines
- 3) Ability to critically evaluate the literature in terms of both substance and methodology
- 4) Ability to solve problems creatively
- 5) Ability to articulate the significance of the chosen area of inquiry.

While the qualifying exam committee has broad discretion as to the form the exam takes, it is expected to rigorously adhere to the following standards:

- 1) Examinations or papers will be graded by all members of the qualifying exam committee.
- 2) All students will orally defend the written portion of their exam before the full committee.
- 3) If the student is deficient in any aspect of the qualifying exam process, a single opportunity will be granted to remedy the deficiency. The deficiency must be remedied to

the satisfaction of the qualifying exam committee by the end of the next fall or winter term after the original oral defense date (whichever comes first). Students who fail to pass the qualifying examination on their second attempt will not continue in the doctoral program.

The composition of the Qualifying Examination Committee includes two faculty from Kinesiology and one cognate member from another University unit. A form that identifies the composition of the [Qualifying Examination Committee](#) – and that is also used to report the results of the examination – should be completed and placed in the student's file. Once the process of the qualifying examination is engaged, no alteration of the committee will be allowed except in cases where a member of the committee is no longer able to serve (e.g. extended illness, death, separation from the University of Michigan).

At the completion of the qualifying examinations, committee members will sign the form and indicate whether the student successfully completed the examinations. Satisfactory completion of these examinations (as well as completion of most coursework) qualifies a student to advance to candidacy. The Graduate Program Coordinator will complete the [request for advancement](#) and forward the request to the Horace H. Rackham School of Graduate Studies.

F. Candidacy and Dissertation

When a student has advanced to candidacy, he or she will make a formal dissertation proposal, to be approved by the Dissertation Committee, which consists of at least four faculty members, at least two of whom are from Kinesiology and at least one of whom is a cognate member outside Kinesiology, but at the University of Michigan. The student's advisor serves as the Chair of the Dissertation Committee, and the [composition of the committee](#) must be approved by The Horace H. Rackham School of Graduate Studies at least six months prior to the dissertation defense. The form to create the [Dissertation Committee](#) is available from Rackham's website. The doctoral dissertation must be original research of high quality that makes a significant contribution to the body of knowledge within Kinesiology. The proposal takes the form of a scholarly document outlining the problem, its background and significance, summarizing relevant literature, and outlining the proposed research methods. It should include a tentative timetable, and outline any necessary resources (space, equipment, etc.) required. Each doctoral student is required to make a public presentation of the dissertation proposal. The public presentation should be announced 2-3 weeks in advance to Kinesiology faculty and to cognate faculty as appropriate. The proposal must be approved by the Dissertation Committee prior to the public presentation and the [Dissertation Proposal Approval](#) is to be signed and dated by all committee members. The Dissertation Committee will provide the student with an informal evaluation of the public presentation. Research proposals that use animal or human subjects must receive approval from the appropriate Institutional Review Board.

Once the proposal has been approved, the dissertation advisor will supervise the conduct and progress of the student's dissertation work. The student is responsible for apprising the Committee of progress and any modifications. If necessary, the Committee can be reconvened, for example, to approve substantial changes to the original proposal.

The dissertation may be either a traditional dissertation document or a compilation of thematically linked published or publication-ready manuscripts. The Horace H. Rackham School of Graduate Studies publishes guidelines concerning these alternative formats. Once the dissertation document meets with committee approval, an oral defense takes place. At the time of the defense, the dissertation must be of publication-quality (as judged by the dissertation advisor and committee). The first portion of the defense is a public lecture, after which the Dissertation Committee meets with the candidate in a closed session. The time and place of the public presentation must be announced with adequate time (e.g., at least a week) so that Division faculty and graduate students might attend if interested. Once satisfied with the defense, the dissertation committee recommends to the Horace H. Rackham School of Graduate Studies that the Ph.D. degree be conferred.

Please also consult the [Graduate School](#) for information on their Dissertation requirements)

G. Satisfactory Progress

Satisfactory progress is defined as maintaining an appropriate (as distinct from minimally acceptable) academic record, reaching the various stages of progress at or near the time expected of the majority of students, and for students supported as Graduate Student Instructors (GSIs), giving evidence of satisfactory teaching.

Minimally Acceptable Grades

- Minimally acceptable overall grade point average: **B**
- Minimally acceptable grade in a Kinesiology course: **B-**
- Minimally acceptable grade in a cognate course: **C**

Failure to receive an acceptable grade means that course credit will not be applied toward requirements for the degree.

Students performing only at minimal grade levels will have difficulty in persuading the Graduate Committee that their progress has been satisfactory or justifies continuation of their support.

H. Rackham Fee Totals

Before graduation, doctoral students must have paid the University of Michigan for a minimum of 50 credit hours, typically 18 in pre-candidacy coursework and 32 during candidacy. If a student is admitted without a relevant master's degree, 68 credits must be paid for, typically 36 at the pre-candidacy level and 32 during candidacy.

IV. Ph.D. Degree Application

The Horace H. Rackham School of Graduate Studies has a set of specified procedures that govern the application process. These are detailed in Chapter 1 of the [Graduate School Handbook](#).

V. Faculty Responsibilities

Maintenance and growth of a successful doctoral program relies in large part on cooperation and participation of adequately trained and prepared supervisory faculty. It is not a goal in our Division to standardize doctoral advising and mentoring. Our goal should be to provide the best doctoral training possible by using the resources available at this University. Divisional faculty members should be encouraged to make use of our unique strengths and scholarship areas to attract and train doctoral students. We should also understand that mentoring doctoral students represents a major responsibility, and we should each consider carefully the extent to which we are prepared -- in terms of training, interest, and willingness to invest time -- for doctoral mentoring. Following are the most important areas where faculty may exercise both influence on and support to doctoral students.

Ph.D. Advisor. To be a primary Ph.D. advisor, a faculty member must demonstrate recent and continuing interest and activity in the research process. This should include research publications in peer reviewed journals, scholarly presentations at national and international conferences, grant activity, graduate teaching (formal classes, seminars, or independent study), or compelling evidence of research scholarship deemed appropriate by the Graduate Committee and the Associate Dean of Research. The Graduate School indicates that in order to serve as a chair for a doctoral student's committee, a person must be a member of the "governing body" of the University, which is further defined as an assistant, associate, or full professor, occupying a tenured or tenure-track position. Instructors or lecturers may co-chair, if they have an earned doctorate, but may not chair a dissertation. Research scientists with an earned doctorate may chair or co-chair a dissertation committee with approval from The Horace H. Rackham School of Graduate Studies and the Dean of Kinesiology.

A continuing demonstration of research inquiry and scholarship is seen as necessary in order to cultivate a similarly thoughtful, rigorous approach to our discipline among doctoral students. In many ways, the tools that enable a student to approach a discipline from a meticulous, logical, and scientific point of view probably comprise the most important legacy that a professor can pass on to new generations of scholars. By accepting a doctoral student, a faculty member accepts responsibility for appropriate training of this student. Should his or her research training in a particular area be inadequate, the faculty adviser is nonetheless obligated to ensure that students learn appropriate methodological and empirical skills.

There are many areas (in the classroom, in the laboratory, in interactions with faculty and student colleagues) where a Ph.D. advisor's wisdom, judgment, and assistance will be needed by the doctoral student. Therefore, faculty members should ensure that they have adequate time to devote to each doctoral student to whom they have made commitments.

Guidance Committee. Quite often, incoming doctoral students will be unfamiliar with our particular program, with the breadth of faculty interests and abilities, and with the specific challenges of the next several years in the program. Helping the student choose interested, supportive, and exacting faculty members to serve on the Guidance

Committee is an important contribution of the advisor. These faculty members should have some familiarity with the student's particular area of study and with the resources both inside the Division and around the University that will be useful to the student. It is important that the advisor assume responsibility to convene this committee early in the first year, or at least before the first 12 credits have been completed. It is also important that the advisor ensure that the committee is active in monitoring the student's progress during the first two years of doctoral work. Ways to guarantee this involvement include annual or bi-annual meetings, or encouraging one-on-one meetings between the student and committee members.

Supervised teaching. Faculty and doctoral students alike recognize the importance of teaching. Good teaching represents an effective way to pass on knowledge to others, and to stimulate discourse in one's area of scholarship. To the extent that many graduates of our doctoral program aspire to university positions, teaching represents a requisite skill for employment. Advisors should be actively involved in helping to develop teaching skills in their doctoral students. This may involve assisting the student in identifying an appropriate teaching area (and supervisory instructor, if necessary), helping the student construct lectures and lesson plans, evaluating student classroom teaching, or ensuring that the student is aware of and takes advantage of instructional training available at the University (e.g., seminars and workshops at CRLT or sponsored by the Instructional Technology Division).

Research rotation supervisor. Although advisors do not supervise their own doctoral students in graded research rotations, they do supervise the development and contributions of doctoral students to ongoing activities in their labs. Further, faculty members are responsible for supervising graded research rotations of other students in their laboratories. It is important to clearly state one's expectations of doctoral students working in research labs, and to deliver clear and honest feedback about lab performance. This feedback usually centers on research-related performance (data collection, analysis skills, attention to subjects), but may also encompass interactional skills (e.g., ability to work with others in research settings).

Qualifying Examination Committee. As with the Guidance Committee, the advisor must take an active part in helping the student to choose appropriate Examination Committee members. The advisor must assist the committee members by structuring the expectations for student performance, and by ensuring adequate contact between committee members and the student. Further, the advisor should help the student by ensuring that s/he is similarly aware of these expectations. As the student prepares for the examinations, the advisor should also help to guarantee that the content (e.g., reading lists prepared by the student) represents neither too narrow nor too broad a focus.

Dissertation advisor. Planning and conducting a dissertation is a multi-step process. It involves identifying a research question or questions, evaluating their relevance and significance, deciding on appropriate variables and measures, designing a suitable research approach, formulating hypotheses to be empirically tested, clearly presenting the rationale and the proposal to a faculty committee, collecting data, analyzing the results,

and interpreting one's findings. Successful completion of a dissertation requires successful completion of each of the preliminary steps. The dissertation advisor must be available to participate at each step of this process, and further, must be an active contributor to the process. Although the ultimate responsibility for the research product rests with the student, the advisor must be somewhat generous with both his/her time and advice as the research unfolds.

VI. Role of Graduate Committee

The Graduate Committee is responsible for initial screening of applications to the program, and for matching applicants to appropriate faculty mentors. It is also responsible for maintaining oversight on the state of the Ph.D. program within the Division.

The Graduate Committee screens initial applications to the doctoral program in Kinesiology. A preliminary decision is based on GRE scores (recommended 550 verbal, 650 quantitative, 4.5 or above writing score), GPA (3.4), statement of purpose, and accompanying letters of recommendation. The Graduate Committee then passes on the files of successful applicants to an appropriate faculty member or members. This is done based on research and scholarship interests. These faculty then review the applications provided by the Graduate Committee, and agree or decline to sponsor an applicant. In their application, students should specify particular faculty members with whom they would like to work. Applicants are admitted to the doctoral program only if sponsored by a member of the doctoral faculty.

Once a year, each doctoral student will participate in a progress evaluation with the Division's Graduate Committee. The purpose of this interview is to help the student evaluate his/her progress towards the degree, to determine whether barriers to success exist for particular students, and to keep the Graduate Committee apprised of successes and potential problems within the doctoral program.

Continuation in the doctoral program is contingent upon satisfactory progress toward the degree. If satisfactory progress is not made, the Graduate Committee may recommend that a student not continue. Funding of students by the Division of Kinesiology is contingent upon satisfactory progress. If progress is not satisfactory at the time of the annual review, the Graduate Committee may recommend that financial support be withdrawn. Satisfactory progress is defined in section III, subsection G.

VII. Summary of Committees

The student and his/her advisor form a guidance committee during the student's first year in the program, typically no later than early the second semester. The Guidance Committee then evolves into the Qualifying Examination Committee, and this group ultimately becomes the Dissertation Committee, although its makeup may change after the Guidance Committee completes its task. Members of the original Guidance Committee may serve on all three, or substitutions may be made, as deemed appropriate by the student and advisor. No changes in the makeup of the Qualifying Exam Committee may be made once the examination process is begun (exceptions defined in section III, subsection E). The makeup of the committees is as follows:

Guidance Committee

Minimum 3 members.

Minimum 2 from Kinesiology.

Minimum 1 cognate (outside Kinesiology but at UM).

Qualifying Exam Committee

Minimum 3 members.

Minimum 2 from Kinesiology.

Minimum 1 cognate (outside Kinesiology but at UM).

Dissertation Committee

Minimum 4 members.

Minimum 3 members from UM.

Minimum 2 from Kinesiology

Minimum 1 cognate (outside Kinesiology but at UM).

Full-Time Doctoral Student Scenario											
Sequence of events is fixed; time-course is flexible											
Year 1			Year 2			Year 3			Year 4		
Fall	Winter	Sp/Su	Fall	Winter	Sp/Su	Fall	Winter	Sp/Su	Fall	Winter	Sp/Su
Admission to Ph.D. Program						Qualifying Exams	Dissertation Proposal				Division-wide Defense
Form Guidance Committee				Form Qualifying Exam Committee		Formalize Dissertation Committee					
	Annual Evaluation			Annual Evaluation			Annual Evaluation			Annual Evaluation	
Research Involvement in Mentor's Lab											
	Research Rotation										
Course Work											
Fall	Winter	Sp/Su	Fall	Winter	Sp/Su	Fall	Winter	Sp/Su	Fall	Winter	Sp/Su
Year 1			Year 2			Year 3			Year 4		

List of forms to be completed/signed in student's file before graduation:

- ☞ Admission
- ☞ Annual Evaluations
- ☞ Guidance Committee / Course Plan / Research Rotation
- ☞ Qualifying Exams
- ☞ Dissertation Proposal Approval
- ☞ Dissertation Defense

List of Forms to be Completed/Signed in Student's File Before Graduation

- Admission
- Annual Evaluations
- Guidance Committee
- Guidance Committee Plan
- Lab Rotation Contract
- Qualifying Exam Committee
- Dissertation Proposal Approval
- Dissertation Committee
- Dissertation Defense

Appendix.

Policy for doctoral students who do not complete the doctoral degree.

Doctoral students who accumulate at least 30 credits may be awarded a Master's degree if they choose not to continue doctoral studies and meet the following stipulations:

1. The Graduate Committee must agree that the course of study merits a Master's-level degree.
2. Students must not already hold a Master's degree in Kinesiology.
3. Students must have met all requirements for the Master's degree, including at least one graduate-level statistics course as well as at least 4 credits of coursework taken outside Kinesiology.

Policy for waiving required courses.

On November 26, 2002, the graduate faculty affirmed that the required courses for the Ph.D. program should stand as currently described. The will of faculty is that any or all of the required courses (KIN 615, 2 Advanced Statistics) could be waived when students have previously taken an equivalent as a Master's student. It was also agreed, that when desirable, a student could substitute a course from another department for KIN 615.

Graduate Program Policies and Procedures

Students beginning the program for a Master's or Ph.D. degree enroll in the Horace H. Rackham School of Graduate Studies.

Students are referred to the website where they can [download the application and materials](#), or [apply on line](#). The application fee is \$75.

Kinesiology requires:

- **Statement of Purpose.** Please note that on the Graduate School application, the description of personal and academic goals is especially important. Take time to write a thorough description of your objectives and why you believe the University of Michigan would be an appropriate place to accomplish them.
- **Three letters of recommendation**, including one or more from persons who can attest to your academic accomplishments;
- **Graduate Record Examination (GRE) scores;** GRE scores are required for both Master's and Ph.D. applicants. It takes several weeks after the test date to process scores, so be sure you take them in advance of Kinesiology's deadline dates. Have ETS send your scores to: The University of Michigan code #0001839
 - **One copy of official transcript** of all previous undergraduate and graduate coursework from all colleges and universities attended (including the University of Michigan and U-M extension graduate study center coursework);
 - **TOEFL scores**, if applicable.

Graduate Record Examination

Application Deadlines

Master's and Ph.D. admission decisions are made on a rolling basis throughout the year. However, Master's students are admitted only for fall. Early applications are strongly encouraged. Various campus-wide fellowships are decided early in the year. Applicants who wish to be eligible for these should apply by February 1 for fall term admission. Note: The Graduate committee does NOT meet in July and August.

Types of Admission

Not a Candidate for Degree (NCFD)

NCFD admission may be granted to qualified students who do not wish to pursue a degree but do wish to elect courses for graduate credit. NCFD applicants must submit the standard application form to the Rackham Graduate School. Subsequent consideration for admission to a degree program is contingent upon full review of credentials in competition with other degree applicants. If a NCFD student achieves regular admission to a Rackham degree program, some courses already taken may, under certain circumstances, be counted toward a graduate degree. If an NCFD student eventually wishes to complete a Rackham degree program, registration as an NCFD student for more than one term is not advisable since inappropriate coursework will not count toward a graduate degree.

Guest Status

Guest status is also available through the Rackham Graduate School for one spring half or summer half term. Procedure for admission requires proof that one has a Bachelor's degree; it does not require the usual application fee. This process is handled at the Rackham Graduate School Admissions Office.

Visiting Scholar

Admission as a visiting scholar is granted to qualified individuals who wish to study and conduct research at the University without earning academic credit. Visiting scholar status may be granted to persons who have earned the Doctor of Philosophy degree or its equivalent or who hold the rank of associate professor or higher at an accredited university. Special admission forms and further information are available from Rackham Graduate School.

Probationary Admission

Applicants to the Master's program who are slightly deficient with respect to Kinesiology's academic standards may be admitted on probation. Probationary admittance requires the maintenance of a 5.0 (B) average during the first eight credit hours of graduate work at Michigan.

Deferred Admission

The Graduate Program admission committee may grant deferred admission for the year following the one originally requested by the applicant. These decisions are made under carefully presented conditions and are few in number. No additional forms or fees are required.

Notification of Admission

Applicants for the Master's degree are typically informed of the action on their applications within one month after their application is complete (all materials received) and their application fee is paid. Review of applications for the doctoral degree takes longer. Students are notified by mail.

Admission is granted for a specific term and year. If the student does not enroll that term, admission is cancelled, and the application and supporting materials are placed in inactive status. Upon written request an application may be reconsidered for the following two full terms. After one full year a new application and fee must be submitted.

Readmission

Students in the Rackham Graduate School who have not been enrolled for one full year must apply for readmission through the Rackham Admissions Office. Acceptance depends upon program approval and upon availability of space and facilities for the term in which readmission is desired.

Registration

Registration is conducted via the internet on wolverine access and must take place on or after students' appointment times as assigned by the registrar. Registration information is available at: <http://wolverineaccess.umich.edu/>

Students must consult their advisor for approval of course elections. NCFD students are not assigned an advisor but must have course elections approved by the Graduate Committee Chair. All Rackham graduate students who have not been enrolled or who have been on detached study for 12 consecutive months must apply for readmission one month prior to the term in which they wish to register.

Registration for Independent Study Courses

All on-campus and off-campus students pursuing graduate work who use University facilities such as offices, libraries, laboratories, or computers, or who consult their advisors concerning their theses or dissertations must be registered. Such students may register for KIN. 682 (Readings), KIN. 684 (Research), or KIN. 686 (Internship) KIN. 619 (Thesis); or, in the case of doctoral students, for KIN. 990 (pre-candidates for the dissertation) or KIN. 995 (dissertation candidates). Prior to registration the student and instructor agree on the amount and type of work

to be done and the number of credit hours to be granted. The student then registers for the course using the instructor's designated section number.

Tuition

The fees and charges of the University are determined by the Board of Regents and are subject to change without notice by the Regents. For further information see the Graduate School publication, *Information for Graduate Students*, this also gives estimates of an average student's living expenses at the University of Michigan.

Kinesiology Financial Assistance

The Kinesiology graduate admissions committee awards small scholarships to a limited number of entering students. There is no application procedure; students are considered for scholarship support when they apply to the graduate program. Research assistantships are available occasionally, and are typically supported by grant funds awarded to individual faculty. Thus, applications for these limited resources (which typically go to advanced Master's and Ph.D. students) are made directly to individual faculty members.

Office of Financial Aid

The Office of Financial Aid administers loan and Work-Study programs on the University of Michigan Ann Arbor campus. Graduate students may apply through this office for a Federal Direct Stafford Loan (FDSL), Perkins Loan, and Work-Study employment. Awards for FDSL, Perkins, and Work-Study programs are made on the basis of demonstrated financial need. Students must enroll at least half time to receive GSL funds, and full time to receive a Perkins Loan and Work-Study. However, since determination of full-time and part-time status differs among graduate and undergraduate programs, students should verify their eligibility status with the Office of Financial Aid. The procedures for applying for financial aid are outlined in the Rackham Admissions Brochure, or by contacting the Office of Financial Aid.

Academic Appeals

The appeals procedures of the Rackham Graduate School provide informal and formal address of grievances for Rackham students. The student and the subject of the grievance must meet certain eligibility criteria; for details concerning the criteria and the process of appeal, check the Academic Grievances Procedures section in the Rackham Bulletin, Vol. I (Student Handbook).

Academic Discipline

These types of academic dishonesty are subject to academic discipline: cheating, plagiarism, knowingly furnishing false information to the University, or forging, altering, or misusing University documents or academic credentials. Nonacademic misconduct subject to discipline includes harassment, unprofessional conduct, and misuse of University property. Violations of conduct may result in dismissal from the graduate program. The Office of Student Services

administers policies. The Rackham Graduate School guidelines for academic behavior are provided in their publication *Academic Integrity, Policies and Procedures*.

Transfer Credit

Undergraduate level courses may not be counted toward the graduate degree. However, if Rackham approves a 400-level course in any department on campus for graduate credit, it may be elected for credit toward the Master's degree. Courses numbered in the 400s that are required in order to meet the graduate program prerequisites may not count toward the Master's degree. Be aware that such 400 level courses do count in the graduate student's overall G.P.A.

In order to recognize graduate credit earned in other accredited higher education institutions and in other units of this University, the Rackham Graduate School provides, upon specific request, for the transfer of a limited amount of graduate credit to Master's degrees sought here. Credit may be transferred only if the coursework is applicable to the student's Master's or Ph.D. program. Rackham Graduate School differentiates two kinds of Transfer Credit: Inter-University and Intra-University Credit. Rackham accepts credits earned at the University of Michigan for up to half of a student's program (however, be sure to check with Kinesiology to see if these credits are acceptable). Rackham accepts up to a maximum of six credits earned at institutions other than the University of Michigan. For further details of the University's Transfer Credit policy, see the Rackham Bulletin, Vol. I (Student Handbook).

Grading Policies

Graduate students are graded by the letter grade system (A, B, C, D, E), except for specially designated courses. Grades of + and - may be given whenever such evaluation is possible. Grade point average (G.P.A.) is computed by translating letter grades into honor points for each hour of credit in a course.

A+ = 9	C+ = 3
A = 8	C = 2
A- = 7	C- = 1
B+ = 6	D = 0
B = 5	E = 0
B- = 4	

The total number of honor points divided by the total number of credit hours of the courses is the student's G.P.A. An average of B, or 5.0, is required to remain in good standing. Grades of D or E cannot satisfy any degree requirement of Rackham Graduate School. Students whose G.P.A. falls below a B in a given term are placed on probation the following term or denied permission to register. Students whose G.P.A. falls below a B for two successive terms may, with permission of their program chairperson, be granted a final term during which the G.P.A. must be brought up to a B. Students whose G.P.A. falls below a B for three successive terms are required to withdraw from the University.

For further information, see the Rackham Bulletin, Vol. I (Student Handbook), or www.rackham.umich.edu/StudentInfo/index.html