

psychologists. The Communicative Sciences and Disorders Department prepares professionals at the master's level in speech-language pathology. The Departments of Curriculum and Instruction, Educational Leadership and Counseling Education prepare professionals for careers in education with bachelor, master's, Education Specialist and Doctor of Education programs while the School Psychology Program, housed in the Psychology Department in the College of Arts and Sciences, prepares students for careers in education with its master's, education specialist, and doctoral degrees. These programs are organized to foster the development of learning communities and incorporate three basic themes: integration of knowledge and experience; cooperation among participants; and inclusiveness, caring, and respect for others. The Professional Education Unit at The University of Montana is accredited by the National Council for Accreditation of Teacher Education (NCATE), <http://www.ncate.org>.

The Communicative Sciences and Disorders, Counselor Education, and Health and Human Performance Departments all prepare professionals for careers in human service professions. Via its bachelor's degree in Communicative Disorders, the Communicative Sciences and Disorders Department prepares graduates qualified to work as clinical aides in speech-language pathology or audiology. Through its master's program in Speech-Language Pathology, the department will produce professional students qualified to work as speech-language pathologists in schools and clinical settings. Students pursuing the Master of Arts in Counselor Education are prepared to work in a variety of community/agency settings. Upon completion of the program, graduates are prepared to sit for the Licensed Practical Counselor or Licensed Practical Clinical Counselor examination. Via its Bachelor and Master of Science degrees, the Department of Health and Human Performance prepares students in the areas of community health, athletic training, exercise science, and health enhancement. The Athletic Training Program is accredited by the Commission on Accreditation of Athletic Training Education.

Central to its research and outreach efforts with P/K-12 schools, the College of Education and Human Sciences' Institute for Educational Research and Service (IERS) designs, evaluates, and disseminates programs that support the well-being of students and communities. Since 1957, IERS has collaborated with numerous local, state, national, and federal organizations to provide effective, data-driven research models that enhance the social development and academic achievement of all learners. Externally sponsored teaching, research, and service activities are central to IERS. In addition, the College of Education and Human Sciences supports a Preschool Laboratories, Preschool Program, Health and Human Performance Laboratory and Technology Resource Center. These centers offer enhanced opportunities for student involvement and learning.

Specific program options within the College of Education and Human Sciences are described below and in the various departmental sections of this catalog. The Web address for the college is <http://www.coehs.umt.edu>

Department of Educational Leadership

John Matt, Chairman, Educational Leadership

The **Educational Leadership** knowledge base emphasizes the realities of the workplace, blending practical tasks with the conceptual models of effective leadership. The model uses leadership assessment and problem-based learning throughout nine curricular strands: change/future, leadership, research community, communication, assessment/program evaluation, management, diversity, curriculum, and professionalism/socialization. Students at both degree levels experience integrated coursework, performance-based assessment, and exit interviews on completion of the degree programs.

Programs: The M.Ed., Ed.S., Administrative Licensure, and Ed.D. are offered in education administration and supervision. Information regarding specific requirements and program options is available from the Phyllis J. Washington College of Education and Human Sciences. For more information, please refer to The University of Montana Graduate Programs and Admissions Catalog. Graduate programs are accredited by The National Council for Accreditation of Teacher Education (NCATE) and The Montana Board of Public Education (BPE).

Admission to Educational Leadership: The Program Admissions Committee has established policies and standards for admission which include the GRE (verbal and quantitative); three letters of recommendation (one from

an immediate supervisor); official transcripts for all undergraduate and graduate coursework; qualifying examination; and interviews (doctoral). Contact the Department for details.

Certification Requirements: Education Leadership degree and administrative licensure programs lead to Montana Class 3 Administrative Licensure with either a K-12 Principal or Superintendent endorsement. Please note that in addition to the coursework and degree requirements, the State of Montana also requires licensed teaching, school counseling, or administrative experience for the Class 3 license.

Courses (Check master schedule for availability of all courses)

U = for undergraduate credit only, UG = for undergraduate or graduate credit, G = for graduate credit. R after the credit indicates the course may be repeated for credit to the maximum indicated after the R. Credits beyond this maximum do not count toward a degree.

Educational Leadership (EDLD)

U 295 Special Topics in Educational Leadership 3 cr. Offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

UG 495 Special Topics Variable cr. (R-9) Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

G 502 Philosophy of Education 3 cr. Same as C&I 502. Major philosophical schools of thought and leading proponents of each. Concepts of society, the educative process, and the role of education.

G 504 History of American Education 3 cr. Same as C&I 504. Exploration of the ideas, individuals, and events that have influenced the curriculum, pedagogy, and operation of the American public school, from colonial America to the present time.

G 512 Educational Futures 3 cr. Predicting and projecting the near and more distant future of education. The changing place and nature of education and leadership in tomorrow's society.

G 519 Measurement and Analysis of Educational Data 3 cr. Prereq., graduate standing. Explanation and practice in measurement and statistical analysis of educational data. Preparation in measurement and statistical analysis for educational research.

G 520 Educational Research 3 cr. Same as C&I and HHP 520. An understanding of basic quantitative and qualitative research methodology and terminology, particularly as they are used in studies presented in the professional literature.

G 540 Higher Education Finance 3 cr. Overview of how colleges and universities make financial and budgetary decisions; current trends in state and federal policy related to finance; contemporary problems in finance of education.

G 542 The College Student 3 cr. Survey of today's college student including discussion of demographics, student development theories, learning theories, and contemporary issues on college campuses related to college students.

G 544 The College Curriculum 3 cr. Historical and contemporary development of college and university curriculum. Includes overview of pedagogical strategies, assessment, evaluation, and curricular change.

G 546 Federal and State Higher Education Policy 3 cr. Overview of policies at the local, state, and national levels that affect the conduct of higher education; current trends in higher education policy; changes in educational policy; how policies affect different institutional types.

G 550 Foundations of Educational Leadership 3 cr. Basic functions of K-12 administration and supervision and how contemporary views have evolved; models of leadership style and practice compared; responsibilities and relationships of school boards and chief school officers.

G 551 Foundations of Curriculum Leadership 3 cr. The history and theoretical bases of current K-12 curriculum and instructional leadership.

G 552 The Supervision and Evaluation of Public School Educators 3 cr. Conflicting views and models of supervision; supervision in relation to administration and evaluation. Development of instruments for the formative and summative evaluation of teaching and their use in simulated cases.

G 554 School Law 3 cr. Key Montana and national legislation regarding public education. Landmark cases of the U.S. Supreme Court and other federal, regional, and state courts as they affect the operation of public schools and the rights of school board members, administrators, teachers, students, and parents.

G 556 The Finance of Public Education 3 cr. Revenue sources for K-12 public schools; proper expenditures; Montana's foundation program and related legislation; major court cases and how they have affected ways of funding schools; developing effective school and district budgets.

G 559 School Public Relations for the Principal 3 cr. Investigation of the appropriate leadership and management roles of the modern school principal as they relate to public relations. Understanding of political theory as it relates to developing and maintaining relationships with internal and external publics.

G 567 K-12 Leadership 3 cr. Examination of the roles responsibilities, and relationships of educators relative to management and leadership considerations at all levels of the educational organization (elementary, middle, secondary, and central office).

G 568 K-12 Curriculum 3 cr. Major aspects of curriculum related to the duties and responsibilities of school administrators. Issues related to the development, review and evaluation o curriculum. Exploration of issues related to selected instructional models and practices; school improvement.

G 570 Instructional Technology Foundations 3 cr. Same as C&I 570. General introduction to the field, theory, and profession of instructional technology. Definition of instructional technology; history of the field.

G 571 Planning, Preparing, and Assessing Educational Technology Media 3 cr. Same as C&I 571. Principles and practices of instructional design for integration of educational technology. Emphasis on role of technology in contemporary teaching/learning/assessing theory and practice, including learning styles and multiple intelligences.

G 580 Distance Learning Theory and Implementation 3 cr. Same as C&I 580. Introduction to distance learning models and exploration of satellite and computer-mediated course development, implementation, and evaluation.

G 581 Planning and Management for Technology in Education 3 cr. Same as C&I 581. Creating, implementing, maintaining, and evaluating technology plans for educational institutions, including budgets, facilities, and hardware planning.

G 582 Educational Technology: Trends and Issues 3 cr. Same as C&I 582. Exploration of trends and issues in the use of educational technology in a variety of settings.

G 583 Strategic Planning for Technology 3 cr. Same as C&I 583. Leadership and strategic planning processes for technology integration within schools.

G 584 Authentic Application in Instructional Design for Technology 3 cr. Same as C&I 584. Development of practical competencies in such components of instructional technology as development, production, materials evaluation, and project management and implementation.

G 585 Fieldwork in Educational Administration and Supervision 2-3 cr. Fieldwork at the school level (when the student is not completing an internship), with the cooperation of the principal and under the guidance of a University of Montana professor.

G 594 Seminar Variable cr. (R-9) Group analysis of problems in specific areas of education.

G 595 Special Topics Variable cr. (R-9) Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

G 596 Independent Study Variable cr. (R-9) Consent of instructor.

G 597 Research Variable cr. (R-10) Consent of instructor.

G 598 Internship Variable cr. (R-10) Consent of instructor.

G 599 Professional Paper Variable cr. (R-9) Consent of instructor.

G 618 Educational Statistics 3 cr. Same as C&I 618. Advanced statistical methods and use of the mainframe computer and microcomputer for data analysis. Use of a recognized statistical package for research applications.

G 620 Qualitative Research 3 cr. Same as C&I 620. In-depth review of qualitative research methods, designs, and approaches. The development of a research proposal.

G 625 Quantitative Research 3 cr. Same as C&I 625. Principles and technique of quantitative research in educational settings. Students prepare a draft of a research proposal and experience an abbreviated dissertation proposal defense.

G 653 School Personnel Administration 3 cr. Administration of classified and certificated school employees; personnel-related laws, functions, and decisions; unions, bargaining contracts, grievances, etc.

G 656 The Economics of Public Education 3 cr. School finance from a national perspective; alternative budgeting and school-revenue models; equity considerations.

G 657 Facilities Planning and Other School Business Functions 3 cr. Working with architects, school personnel, and others on educationally and financially sound plans for new and remodeled facilities; the school business official's responsibilities regarding buildings and grounds, maintenance and custodial services, transportation, food services, and the administration of classified personnel.

G 658 School Public Relations--Superintendents 3 cr. Enhancing site- and district-level internal and external relations; conducting needs assessments, inservice workshops, and funding campaigns; improving administrators' writing, listening, and speaking skills; composing press releases and newsletters; working with the media.

G 660 Adult and Continuing Education 3 cr. Adult learning theory and the special needs and motivations of adult learners in postsecondary institutions; principles and practices of administering postsecondary continuing education programs.

G 662 History of Higher Education 3 cr. Survey of the historical roots of higher education from world and comparative perspectives; examination of the historic and contemporary missions, organizational structures, governance, and administration of various types of postsecondary and higher education institutions in America and abroad.

G 664 The Community College 3 cr. The organization and administration of American postsecondary education in two-year collegiate institutions; current trends in governance, finance, curriculum, faculty and students.

G 667 The American College Professor 3 cr. Investigation of the prevailing curriculum and instruction in American undergraduate and graduate education and consideration of reform reports.

G 668 College and University Administration 3 cr. Administration of college and university programs, departments, and schools; the roles of program director or coordinator, department chairperson, dean, vice president, provost, president, chancellor, and commissioner.

G 674 Internship in College Teaching 1 cr. Provides an opportunity for guided and supervised teaching at the college level and assistance to the aspiring college teacher in meeting the needs of a diverse student population;

assistance provided in methods of teaching at the college level, theories of learning, use of technology, and evaluation and assessment techniques.

G 676 Internship in Higher Education Administration 1-3 cr. (R-6) Supervised and guided work in an administrative unit/department at the college/university level.

G 694 Advanced Seminar: Educational Administration and Supervision Variable cr. (R-9)

G 697 Advanced Research in Educational Administration and Supervision Variable cr. (R-9)

G 699 Professional Seminar/Dissertation Variable cr. (R-12)

Faculty

Professors

Roberta D. Evans, Ed.D., The University of Nevada, Reno, 1988

Associate Professor

John Matt, Ed.D., The University of Montana, 1999

William P. McCaw, Ed.D., The University of Montana, 1999

Assistant Professors

Francee O'Reilly, Ed.D, Adjunct, The University of Montana, 2002

Patty Kero Ed.D., The University of Montana, 2006

Courtney Stewart Ph.D., Brigham Young University, 2009

Department of Health and Human Performance

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Scott Richter, Chair

[This section of the catalog was edited and some of the requirements changed after the catalog was published. Please go to the Health & Human Performance office for updated versions of the four year requirement plans. Updated August 30, 2012, September 26, 2012.](#)

Vision

Health and Human Performance Professionals

Creating a Healthy, Progressive Global Community

Mission

In pursuit of our vision, HHP prepares quality graduates to be ethical and competent entry level professionals in health and human performance related occupations or candidates for advanced study in related disciplines. Within the liberal arts tradition of The University of Montana and the mission of the College of Education and Human Services, the Department of Health and Human Performance (HHP) engages in professional education, scholarly activity, and meaningful public service. The department emphasizes mental, social, spiritual, and physical dimensions of health to promote healthy lifestyle choices and enhance quality of life. _

The Health and Human Performance Department has established the following goals in support of our vision and mission:

- . **Promote** an understanding and appreciation for the scope of the profession
- . **Enhance** student awareness of departmental mission and goals
- . **Coordinate** student development of the basic skills germane to effective practice as health and human performance professionals or successful pursuit of advanced studies
- . **Cultivate** higher-order thinking skills that increase students' involvement and interest in their own learning, promoting a lifelong quest for knowledge
- . **Nurture** cognition of the multiple dimensions of health (physical, intellectual, emotional, spiritual, social and environmental)
- . **Advocate** respect for the uniqueness and dignity of others. Undergraduate students choose between two majors: Athletic Training or Health & Human Performance (HHP). HHP majors also choose from one of the following options: Exercise Science; Health Enhancement, or Community Health.

The Exercise Science option has two tracks: Pre-Professional and Applied. The **Pre-Professional track** is designed to provide students with an in-depth science background and prepares students for post-baccalaureate study in exercise physiology and related health sciences such as medical school, physical therapy, physician's assistant or other medical programs. Successful graduates of this option should possess the knowledge and skills to qualify for the ACSM Exercise Specialist Certification (requires additional clinical hours). The Pre-Professional option is for students planning to continue on in higher education. The **Applied track is designed to prepare students for jobs as** strength and conditioning coaches, athletic coaches, personal trainers, elderly services providers, corporate wellness personnel and directors, fitness center directors and other fitness related jobs. Successful graduates of this track should possess the knowledge and skills to qualify for the American College of Sport Medicine-Fitness Instructor and/or National Strength and Conditioning Association Certified Strength and Conditioning Specialist.

The Health Enhancement option prepares students to use a variety of educational strategies designed to facilitate the adoption of healthy behaviors in K-12 students. Upon acceptance into the College of Education, and successful completion of the course requirements students will be eligible for a Montana K-12 teaching license. See Admission Policies below.

The Community Health option prepares students with knowledge and skills related to assessing individual and community needs prior to planning, implementing, and evaluating programs designed to encourage healthy lifestyles and environments. Individuals who will be most successful in the community health option are those who are deeply interested in the interrelationship among all aspects of health (social, emotional, mental, spiritual and physical) and in the life and behavioral sciences. In addition, success in this field requires imagination and creativity in applying scientific knowledge to strategies for individual and community change through a wide range of educational, environmental and political approaches. Graduates of this program will be prepared to take the National Certification Exam for Health Education Specialists.

The Athletic Training major prepares competent entry-level athletic trainers for employment in educational and clinical settings or post-graduate study. The Athletic Training curriculum is designed to help students develop competency in evidence based medicine, prevention and health promotion, clinical examination and diagnosis, acute care of injury and illness, therapeutic interventions, psychosocial strategies and referral, healthcare administration and professional development and responsibility. Successful graduates should possess the knowledge and skills to qualify for the Board of Certification Examination.

The graduate curriculum in Health and Human Performance at The University of Montana prepares post-graduates to become effective health and human performance professionals or competitive candidates for advanced study in related disciplines through a comprehensive program of study and guided research. Development of the following is considered essential in achieving a graduate degree:

1. Oral and written communication skills,
2. An understanding of current research literature in one's chosen specialization and to promote independent pursuit of learning beyond the confines of curricular requirements,
3. Appropriate technological skills,
4. Ability to design, conduct, and report research in a scholarly fashion,
5. Personal characteristics, sense of responsibility, and professional behaviors requisite for effective functioning as an advanced health and human performance professional.

Graduate options include Exercise Science, Health Promotion, and Health and Human Performance. For more information regarding the department's graduate program refer to either:

The University of Montana Graduate Programs and Admissions catalog: <http://www.umt.edu/grad/>

The College of Education and Human Sciences Graduate website:http://coehs.umt.edu/departments/hhp/graduate_programs/default.php

Activity Classes

The HHP department also provides a large activity program (HHP classes numbered 100-179) which includes instruction in a wide variety of individual, team, recreational, and fitness activities. Goals of this program include helping students:

1. Develop and maintain long-term health-related fitness,
2. Develop motor performance skills that facilitate regular and continuous participation in physical activity, and
3. Develop the adult "inner athlete" who continually strives to reach optimal potential through involvement in challenging endeavors.

Any University of Montana student may elect to apply up to four credits from HHP 100-179 toward a baccalaureate degree. For descriptions of the activity classes offered, refer to the website at <http://coehs.umt.edu/departments/hhp/default.php/> and select Activity Classes.

Special Degree Requirements

Refer to graduation requirements listed previously in the catalog. See index.

Students must fulfill the requirements listed below. All HHP majors must earn a minimum grade of a C- in all required courses, including prerequisites, except for special cases of higher requirements in Athletic Training and Health Enhancement noted below. In-department and out-of-department courses specifically listed in this catalog as requirements for Health and Human Performance majors must be taken for a traditional letter grade.

Athletic training students must earn a grade of C (2.00) in all required courses, including prerequisite courses. Courses specifically listed in the catalog, as requirements for the athletic training major (Athletic Training Education Program) must be taken for a traditional letter grade. This includes in-department and out-of-department courses. Students in the professional phase of the athletic training education program who receive less than C (2.00) on any required courses will be placed on program suspension and may not be allowed to continue any sequential courses until they retake the course and receive at least a C. If a student receives less than a C (2.00) after repeating a course, the student may be dismissed from the program.

The University of Montana symbolic systems requirement is met by completing one of the following statistics courses and any pre-requisite courses: STAT 216 (MATH 241) Introduction to Statistics or PSYX 222 (PSYC 220) Psychological Statistics or SOCI 202 (SOC 202) Social Statistics or WILD 240 (WBIO 240) Wildlife Monitoring & Biostatistics or HHP 486/EDU 421(C&I 486). All options must meet this requirement.

Admission Policies for Health Enhancement Option

The Health Enhancement option is designed for individuals who wish to teach in K-12 school systems. Application for

admission to the College of Education must be made (refer to <http://coehs.umt.edu/departments/hhp/default.php>). Applications are accepted twice a year; however, the number of students admitted into the program is limited. Application is made no sooner than after the completion of 30 hours of course work. A cumulative GPA of 2.75 is necessary for application.

To successfully complete the program in Health Enhancement, a student must receive a grade of C (2.00) or above in every course in the following areas: teaching major, professional education courses, a drug abuse course, PSYX 100S (PSYC 100), WRIT 101 (ENEX 101), and EDU 481 (C&I 427). These courses must be taken as a traditional letter grade.

Admission Policies for the Athletic Training Major

Athletic Training Education Program (ATEP)

The University of Montana offers a Bachelor of Science in Athletic Training. The Athletic Training Education Program (ATEP) is the only undergraduate curriculum in the State of Montana accredited by the Commission on Accreditation of Athletic Training Education (CAATE). The ATEP is a demanding curriculum which requires dedication and commitment. Upon completion there are a variety of professional career opportunities.

Following are the requirements for application, admission, and retention of the Athletic Training Education Program (ATEP). Academic advisors are available to assist students with this interesting and challenging professional program.

Admission. Students who desire admission into the ATEP must submit a formal application to the program director. Prior to applying, students must complete all pre-professional requirements (3 semesters), see (<http://coehs.umt.edu/departments/hhp/default.php/>) for details. The application deadline is October 1. The application packet is available from the HHP department or the program office with the approval of the program director.

Each application for admission to the professional ATEP is reviewed by a Selection Committee consisting of the ATEP curriculum director, the clinical director, clinical instructors, and other professionals. Formal notification of admission to the professional ATEP is sent to each candidate prior to the preregistration period for spring semester.

Some candidates may not be admitted to the professional ATEP due to the limited number of clinical openings or lacking other specific qualifications/requirements.

Interview Requirements. The following selection criteria must be met to be considered for an interview:

1. Obtain a minimum overall GPA of 2.75. All pre-professional ATEP course requirements must have no grade lower than "C".
2. Submission of a written "Statement of Purpose" attached to the application form. Applicants must address the following:
 - . reason for applying to this professional concentration
 - . perception of the profession
 - . future expectations upon completion of the professional ATEP
 - . past experience in athletic training
 - . any other areas or comments considered appropriate
3. Submission of three professional letters of recommendation.
4. Completion of 70 hours of clinical observation in athletic training and modules. See the Pre-Professional Student Manual. (<http://coehs.umt.edu/departments/hhp/default.php>) or contact the Program Director for this information.
5. Completion of blood-borne pathogen requirements. See website <http://coehs.umt.edu/departments/hhp/default.php>.
6. Completion or be completing the prerequisite courses (see above website or contact the program director prior to application to the Professional ATEP).

7. Meet established technical standards.
8. Completion of a successful Criminal Background Check (see program director for details).

Note: Transfer students will be required to complete all the pre-professional requirements and also submit an application as required in the admissions policies.

Professional ATEP.

The ATEP is divided into a pre-professional program lasting approximately three semesters (1.5 years) and a professional program during the final five semesters (2.5 years). The professional program requires 5 semesters of clinical education and sequential courses; therefore, students usually enter the program during spring semester after application and acceptance into the professional program.

Upon admission into the professional program, the following requirements must be met:

1. Become a student member of the National Athletic Trainers' Association, Inc.
2. Liability insurance provided by the University of Montana for all ATEP professional students. Accumulate a minimum of 1,000 hours of clinical practicum within a two and a half year period.
3. Demonstrate progressive improvement as an athletic training student throughout the didactic and clinical educational process, per CAATE guidelines and The University of Montana-Missoula's ATEP requirements.
4. Complete the required sequentially.
5. Register for the Board of Certification (BOC) examination.
6. Maintain current appropriate First Responder and CPR cards.
7. Maintain a 2.75 overall GPA and receive no lower than a "C" in any professional course.
8. Complete a Hepatitis B immunization before initiating clinical education.
9. Meet established technical standards and pass a preprogram physical examination by the team physician.

General Program Requirements

First Aid and CPR Exit Certifications

All Health and Human Performance students are required to have the appropriate certification in first aid/emergency care and CPR at graduation. The following certifications will meet this competency:

Any one of the following current first aid/emergency care certifications:

- . American Academy of Orthopedic Surgeons (AAOS)
- . National Safety Council Level - First Responder
- . Wilderness First Responder
- . First Responder - American Heart Association

Plus one of the following CPR certifications:

- . American Heart Association (Health Care Provider)
- . American Red Cross (Professional Rescuer)

Or Certification as an Emergency Medical Technician

Health and Human Performance students may use available elective credits to take HHP 288/289, First Responder and CPR, to meet this competency, or they may elect to fulfill the competency through one of the department approved agencies. Academic credit for HHP 288/289 will not be awarded for certifications earned at off-campus approved agencies other than the Health and Human Performance Department at The University of Montana.

Upper-division Writing Expectation

The HHP Department offers three upper-division writing courses to fulfill the General Education writing requirements; HHP 450W, HHP 472 and HHP 301. Exercise Science and Applied Health Science students are required to

complete HHP 450W (Analytical and Communication Techniques), Athletic Training students are required to complete HHP 372W (Rehabilitation of Athletic Injuries) and Health Enhancement Students are required to complete HHP 301 (Instructional Strategies in Secondary Physical Education).

Options Undergraduate students must complete requirements for a minimum of one of the options listed below. The typical student may take more than four years to complete these requirements, especially in the Athletic Training major and the Health Enhancement option.

Athletic Training Major (required courses). Within Department (70 -71 cr.): HHP 181, 184, 226, 240, 241, 242, First Aid/CPR competency, 288-289 or appropriate course, 334, 340, 341, 342, 343, 344, 345, 366, 367, 368, 369, 372, 373, 377, 378, 384, 401, 402, 411, 412, 460, 475E, 478, 479, 485, NUTR 411 (HHP 446), 2 crs. of electives exclusive of 100-179. (Students may take HHP 288 to meet the First Aid/CPR competency; please see catalog or advisor for the other options to meet the competency). Out of Department (32 cr.): WRIT 101 (ENEX 101); COMM 111A; CHMY 121N, 123N (CHEM 151N, 152N); BIOM 250N (BIOL 106N), BIOH 201N, 202N (SCN 201N) and BIOH 211, 212 (SCN 202N) or BIOH 365 and BIOH 370 (BIOL 312-313); PSYX 100S (PSYC 100S); WRIT 222 (FOR 220); PHAR 110N; one of the following statistics courses: STAT 216 (MATH 241) Introduction to Statistics, PSYX 222 (PSYC 220) Psychological Statistics, or HHP 486. Complete HHP 372 (Rehabilitation of Athletic Injuries) for Upper Division Writing requirement.

Exercise Science Option (required courses). Students may complete either of the two tracks below (Applied or Pre-Professional) to complete the requirements for the Exercise Science Option.

Exercise Science Applied Track: (required courses). Within Department (55 crs.): HHP 181, 184, 217, 226, 240, 241, 288, 289, 368, 369, 377, 378, 384, 417, 435, 446, 450, 460, 465, 475E, and 498; NUTR 221N (HHP 236N), NUTR 411 (HHP 446). Upper division science credits (may be in or out of department) upon consent of advisor: 3. Out of Department (47 crs.): WRIT 101 (ENEX 101), COMM 111A; CHMY 121N, 123N, 124N (CHEM 151N, 152N, 154N); BIOH 201N, 202N (SCN 201N) and BIOH 211, 212 (SCN 202N) or BIOH 365 and BIOH 370 (BIOL 312-313); WRIT 222 (FOR 220); M 151 (MATH 121); STATS 216 (MATH 241), PSYX 222 (PSYC 220), or HHP 486, BGEN 105S (MIS/BADM 100S), BGEN 235 (MIS/BADM 257), PHSX 205N/206N (PHYS 111N/113N), PSYX 100S (PSYC 100S); 9 crs. of electives from biology, biochemistry, mathematics, physics, psychology upon consent of advisor.

Exercise Science Pre-professional Track:(required courses). Within Department (43 crs.): HHP 181, 226, 288, 289, 368, 369, 377, 378, 384, 450, 460, 475E, 482, 483, 484, 498 or 499, NUTR 221N (HHP 236N), NUTR 411 (HHP 446). Upper division science credits (may be in or out of department) upon consent of advisor: 6. Out of Department (50 crs.): WRIT 101 (ENEX 101), COMM 111A; CHMY 121N, 123N, 124N (CHEM 151N, 152N, 154N); BIOH 201N, 202N (SCN 201N) and BIOH 211, 212 (SCN 202N) or BIOH 365 and BIOH 370 (BIOL 312-313); WRIT 222 (FOR 220); M 151 (MATH 121); STATS 216 (MATH 241), PSYX 222 (PSYC 220), or HHP 486, PHSX 205N/206N, 207N/208N (PHYS 111/113N, 112/114N), PSYX 100S (PSYC 100S); 6 crs. of electives from biology, biochemistry, mathematics, physics, psychology upon consent of advisor.

Community Health Option (required courses). Within Department (46 crs.): HHP 181, 184, 226, 288/289 or appropriate certification, 330, 370, 371, 415, 450, 465, 475E, 485, 488, 4 crs. of 498, NUTR 211N (HHP 236N), and 9-12 crs. of in department electives to be approved by academic advisor. Out of department (41 crs.): COMM 111A; PSYX 100S (PSYC 100); CHMY 121N (CHEM 151N); BIOM 250N (BIOL 106N); ENST 225 (EVST 225); BIOH 201N, 202N (SCN 201N) and BIOH 211, 212 (SCN 202N) or BIOH 365 and BIOH 370 (BIOL 312-313); ANTY 227 (ANTH 201); M 115 (MATH 117); WRIT 222 (FOR 220); SW 423; ANTY 426 (ANTH 444); STATS 216 (MATH 241), PSYX 222 (PSYC 220), or HHP 486 and 9-12 crs. of out of department electives to be approved by academic advisor. (note: at least 4 of the 12 elective credits must be at the 300 level or higher and students may not count more than 60 HHP credits toward graduation).

Health Enhancement Option (required courses). Within Department (51-54 crs.): HHP 181, 184, 224, 225, 226, 233, 240, 241, 288-289 or appropriate certification 301, 339, 368, 369, 377, 378, 384, 465, 466, 475E, NUTR 221N

(HHP 236N). Out of Department (71-73 crs.): COMM 111A; CHMY 121N (CHEM 151N), BIOH 201N, 202N (SCN 201N) and BIOH 211, 212 (SCN 202N); BIOM 250N, BIOE 172N (BIOL 106N; BIOL 121N) or SCN 350; M 115 (MATH 117) PSYX 100S (PSYC 100S), PSYX 230S (PSYC 240S); EDU 202 (C&I 200), 221 (C&I 303), 345 (C&I 410), 370 (C&I 306), 395 (C&I 301 or 302), 407E (C&I 407E), 481 (C&I 427), 494 (C&I 494), 495 (C&I 481), 495 (482); STAT 216 (MATH 241), PSYX 222 (PSYC 220), or HHP 486; NASX requirement.

Suggested Course of Study

Pre-Professional Athletic Training Major:

First Year		A	S
WRIT 101 (ENEX 101) College Writing I (autumn A-L, spring M-Z)		(3)	(3)
CHMY 121N (CHEM 151N) Into to General Chemistry		3	-
HHP 226 Basic Exercise Prescription		3	-
HHP 181 Foundations of Health and Human Performance (autumn A-L, spring M-Z)		(3)	(3)
HHP 184 Personal Health and Wellness (autumn M-Z, spring A-L)		(3)	(3)
COMM 111A Introduction to Public Speaking (autumn M-Z, spring A-L)		(3)	(3)
CHMY 123N (CHEM 152N) Introduction to Organic and Biochemistry		-	3
M 115 (MATH 117) Probability and Linear Math		-	3
BIOM 250N (BIOL 106N) Microbiology for Health Sciences		-	3
General Education Requirements L,H,Y or X courses		3	-
Total		15	15
Second Year-1st Semester		A	S
BIOH 201N/202N (SCN 201N) Human Anatomy and Physiology I or BIOH 365 (BIOL 312) Human Anatomy and Physiology I for Health Professions (students who take BIOH 365-370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)		4	-
WRIT 222 (FOR 220) Technical Writing		2	-
PSYX 100S (PSYC 100S) Introduction to Psychology		4	-
HHP 240/241 Prevention and Care of Athletic Injuries and Laboratory		3	-
General Education L, H, Y or X courses		3	-
Total		16	-

Suggested course of Study

Professional Athletic Training Major:

Second Year-2nd Semester		A	S
BIOH 211N/212N (SCN 202N) Human Anatomy and Physiology II or BIOH 370 (BIOL 313), Human Anatomy and Physiology II for Health Professions (students who take BIOH 365/370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)		-	4
HHP 242 Clinical Observation in AT		-	1
PHAR 110N Use and Abuse of Drugs		-	3
General Education L, H, Y or X courses		-	6
Total		-	14
Third Year		A	S
HHP 334 Techniques in AT		1	-
HHP 340 Practicum in Athletic Training I		3	-
HHP 366 Measurement and Modalities		2	-
HHP 367 Measurement and Modalities Laboratory		1	-
HHP 368 Applied Anatomy and Kinesiology		3	-
HHP 369 Applied Anatomy and Kinesiology Laboratory		1	-
HHP 342 Assessment of the Lower Extremities		2	-
HHP 343 Assessment of the Lower Extremities Laboratory		1	-
HHP 341 Practicum in Athletic Training II		-	3
HHP 344 Assessment of Upper Extremities		-	2
HHP 345 Assessment of Upper Extremities Laboratory		-	1
HHP 372 Rehabilitation of Athletic Injuries		-	2
HHP 373 Rehabilitation of Athletic Injuries Lab		-	1
HHP 377 Physiology of Exercise		-	3
HHP 378 Physiology of Exercise Laboratory		-	1
HHP 384 Motor Control and Learning		-	3
Total		14	16
Fourth Year		A	S
HHP 401 Assessment of the Thorax and Medical Conditions in the Athlete		2	-
HHP 402 Assessment of the Thorax and Medical Conditions in the Athlete Lab		1	-
HHP 411 Advanced Practicum in Athletic Training I		3	-
NUTR 411 (HHP 446) Nutrition for Sports and Exercise		3	-
HHP 460 Biomechanics		-	3

HHP 485 Theories Health Behavior Counseling	3	-
HHP 412 Advanced Pract. In Athletic Training II	-	3
HHP 475E Legal & Ethical Issues in Health and Exercise Professions	3	-
HHP 478 Athletic Training Admin & Policy	-	2
HHP 479 Sports Medicine	-	2
General Education (complete L, H, Y or X general Ed and/or take electives)	-	4
Total		15 14

Other suggested courses: HHP 288-289 First Responder/Emergency Care and CPR- 3 cr., or competency. Statistics Course to meet symbolic systems requirement - 4cr.

Exercise Science Pre-Professional Track:

	A	S
First Year		
WRIT 101 (ENEX 101) College Writing I (autumn A-L, spring M-Z)	(3)	(3)
CHMY 121N (CHEM 151N) Intro to General Chemistry	3	-
HHP 226 Basic Exercise Prescription (autumn M-Z, spring A-L)	(3)	(3)
HHP 181 Foundations of Health and Human Performance (autumn A-L, spring M-Z)	(3)	(3)
NUTR 221N (HHP 236) Nutrition	-	3
COMM 111A Introduction to Public Speaking (autumn M-Z, spring A-L)	(3)	(3)
CHMY 123N/124N (CHEM 152N/154N) Introduction to Organic and Biochemistry & Lab	-	5
M 121 or M 151 (MATH 111 or 121) College Algebra or Pre-Calculus	4/3	-
BIOH 112 or 113 (BIOL 112 or 113) Introduction to Human Form and Function I or II or BIOB 160N (BIOL 110N) Principles of Living Systems	3	-
M 122 (MATH 112) College Trigonometry or General Education Requirements L,H,Y or X courses	-	3
Total	15-16	17
Second Year		
	A	S
BIOH 201N/202N (SCN 201N) Human Anatomy and Physiology I or BIOH 365 (BIOL 312) Human Anatomy and Physiology I for Health Professions (students who take BIOH 365-370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	4	-
WRIT 222 (FOR 220) Technical Writing	2	-
PSYX 100S (PSYC 100S) Introduction to Psychology	4	-
HHP 384 Motor Control and Learning	-	3
HHP 486 Statistical Procedures in Education or PSYX 222 (PSYC 220) Psychological Statistics or STAT 216 (MATH 241) Introduction to Statistics	-	3/4
BIOH 211N/212N (SCN 202N) Human Anatomy and Physiology II or BIOH 370 (BIOL 313), Human Anatomy and Physiology II for Health Professions (students who take BIOH 365/370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	-	4
General Education L, H, Y or X courses	6	6
Total	16	16-17
Third Year		
	A	S
HHP 368/369 Applied Anatomy & Kinesiology	4	-
HHP 377/378 Physiology of Exercise	4	-
PHSX 205N/206N (PHYS 111N/113N) Fundamentals of Physics I	5	-
HHP 288/289 First Responder, Emergency Care and CPR	-	3
HHP 475E Legal and Ethical Issues in Health and Exercise Professions	-	3
PHSX 207N/208N (PHYS 112N/114N) Fundamentals of Physics II	-	5
General Education L, H, Y or X courses or other elective	3	-
HHP 460 Biomechanics	-	3
Total	16	14
Fourth Year		
	A	S
NUTR 411 (HHP 446) Nutrition for Sports & Exercise	3	-
HHP 450 Analytical and Communication Techniques	4	-
HHP 498 or 499 Internship or Senior Project	-	3
HHP 482 Electrocardiogram Analysis	1	-
HHP 483/484 Exercise, Disease and Aging	4	-
HHP/Science Elect Upper-division science or Upper-division HHP elective	-	6
Upper-division science elective	3	3
Total	13	14

Exercise Science - Applied Track

	A	S
First Year		
COMM 111A Introduction to Public Speaking (autumn M-Z, spring A-L)	(3)	(3)
BIOH 112 (BIOL 112) Introduction to Human Form and Function I or BIOB 160N (BIOL 110N) Principles of Living Systems	3	-
CHMY 121N (CHEM 151N) Introduction to General Chemistry	3	-
WRIT 101 (ENEX 101) College Writing I (autumn A-L, spring M-Z)	(3)	(3)
HHP 181 Foundations of Health and Human Performance (autumn A-L, spring M-Z)	(3)	(3)
HHP 184 Personal Health and Wellness (Last names A-L)	-	3

CHMY 123N/124N (CHEM 152N/154N) Organic and Biochemistry & Lab	-	5
HHP 226 Basic Exercise Prescription (autumn M-Z, spring A-L)	(3)	(3)
M 121 (MATH 111) or 151 (MATH 121) College Algebra or Pre-calculus	3-4	-
WRIT 222 (FOR 220) Technical Writing (Last names M-Z)	-	3
M 122 (MATH 112) College Trigonometry or General Education Requirements L,H,Y or X courses	-	3
Total	15-16	17

Second Year

	A	S
BIOH 201N/202N (SCN 201N) Human Anatomy and Physiology I or BIOH 365 (BIOL 312) Human Anatomy and Physiology I for Health Professions (students who take BIOH 365-370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	4	-
WRIT 222 Technical Writing (last names A-L)	2	-
HHP 184 Personal Health and Wellness (last names M-Z)	3	-
NUTR 221N (HHP 236) Basic Human Nutrition	3	-
BGEN 105S (MIS/BADM 100S) Introduction to Business	3	-
PSYX 100S (PSYC 100S) Introduction to Psychology	-	4
BIOH 211N/212N (SCN 202N) Human Anatomy and Physiology II or BIOH 370 (BIOL 313), Human Anatomy and Physiology II for Health Professions (students who take BIOH 365/370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	-	4
HHP 486 Statistical Procedures in Education or PSYX 222 (PSYC 220) Psychological Statistics or STAT 216 (MATH 241) Introduction to Statistics	-	3/4
General Education L, H, Y or X courses or other elective	3	3
Total	15-16	14-15

Third Year

	A	S
HHP 240/241 Prevention and Care of Athletic Injuries	3	-
HHP 384 Motor Control and Learning	-	3
BGEN 235 (MIS/BADM 257) Business Law	3	-
PHSX 205/206 (PHYS 111N/113N) College Physics I	5	-
Science Elect Lower-division elective	3	-
HHP 295 Strength Training Methods	-	2
HHP 377/378 Physiology of Exercise & Lab	-	4
HHP 465 Leading Health and Human Performance Organizations	-	3
HHP 498 Internship	-	3
Gen Ed/Science Elect L, H, Y or X course or lower-division science elective	-	3
Total	17	15

Fourth Year

	A	S
HHP 288/289 First Responder, Emergency Care and CPR	3	-
HHP 368/369 Applied Anatomy and Kinesiology	4	-
HHP 435 Advanced Strength Training and Conditioning	-	3
HHP 475E Legal and Ethical Issues in the Health and Exercise Professions	3	-
HHP 460 Biomechanics	3	-
HHP 417 Fundamentals of Coaching	3	-
NUTR 411 (HHP 446) Nutrition for Sports & Exercise	-	3
HHP 450 Analytical and Communication Techniques	-	3
HHP 460 Biomechanics	-	3
Upper-division science elective	-	3
Total	16	15

Community Health:**First Year**

	A	S
COMM 111A Introduction to Public Speaking (autumn M-Z, spring A-L)	(3)	(3)
WRIT 101 (ENEX 101) College Writing I (autumn A-L, spring M-Z)	(3)	(3)
PSYX 100S (PSYC 100S) Introduction to Psychology	4	-
HHP 181 Foundations of HHP (autumn A-L, spring M-Z)	(3)	(3)
HHP 184 Personal Health and Wellness (autumn M-Z, spring A-L)	(3)	(3)
BIOH 112 (BIOL 112) Introduction to Human Form and Function I or BIOB 160N (BIOL 110N) Principles of Living Systems	-	4
CHMY 121N (CHEM 151N) Intro to General Chemistry	-	3
NUTR 221N (HHP 226) Basic Human Nutrition	-	3
M 115 (MATH 117) Probability and Linear Math	3	-
General Education L, H, Y or x courses	3	-
Total	16	16

Second Year

	A	S
BIOH 201N/202N (SCN 201N) Human Anatomy and Physiology I or BIOH 365 (BIOL 312) Human Anatomy and Physiology I for Health Professions (students who take BIOH 365-370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	4	-
ENST 225 (EVST 225) Community and Environment	3	-
WRIT 222 (FOR 220) Technical Writing	2	-
HHP 226 Basic Exercise Prescription	-	3
HHP 486 Statistical Procedures in Education or PSYX 222 (PSYC 220) Psychological Statistics or STAT 216 (MATH 241) Introduction to Statistics	-	3/4

BIOH 211N/212N (SCN 202N) Human Anatomy and Physiology II or BIOH 370 (BIOL 313), Human Anatomy and Physiology II for Health Professions (students who take BIOH 365/370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	-	4	
HHP Elective - Choice approved by adviser	-	3	
General Education Requirements L, H, Y or X courses or out-of-department elective approved by adviser	6	3	
Total	15	16-17	
Third Year			
		A	S
HHP 330 Overview of Health Education and Health Promotion	3	-	
HHP 450 Analytical and Communication Techniques	3	-	
ANTY 227 (BIOL 265) Human Sexuality	3	-	
HHP Elective - choice approved by adviser	3	-	
General Education - L, H, Y or X course approved by adviser	3	-	
HHP 370 Peer Health Education	-	3	
HHP 465 Leading Health and Human Performance Organizations	-	3	
HHP 475E Legal and Ethical Issues in the Health and Exercise Professions	-	3	
BIOM 250N (BIOL 106N) Microbiology for Health Sciences	-	3	
SW 423 Addition Studies	-	3	
Total	15	15	
Fourth Year			
		A	S
HHP 288/289 First Responder, Emergency Care and CPR	3	-	
HHP 371 Peer Health Education Practicum	1-3	-	
HHP 415 Advanced Principles of Health Education and Health Promotion	3	-	
ANTY 426 (ANTH 444) Culture, Health and Healing	3	-	
General Education or HHP Elect - L, H, Y or X course or HHP Elective	3	-	
Electives out-of-department course approved by adviser	3	-	
Electives - General Education, HHP or out-of-department electives	-	5	
HHP 498 Internship	-	4	
HHP 488 Program Planning for Community Health	-	3	
HHP 485 Theories of Health Behavior and Counseling	-	3	
Total	16-18	15	
Health Enhancement Option:			
First Year			
		A	S
WRIT 101 (ENEX 101) College Writing I (autumn A-L, spring M-Z)	(3)	(3)	
HHP 181 Foundations of HHP (autumn A-L, spring M-Z)	(3)	(3)	
NASX 105H (NAS 100) Introduction to Native American Studies	3	-	
M 115 (MATH 117) Probability and Linear Math	3	-	
PSYX 100S (PSYC 100S) Introduction to Psychology	4	-	
HHP 224 Professional Activities-Outdoor Rec	2	-	
CHMY 121N (CHEM 151N) General and Inorganic Chemistry	-	3	
NUTR 221N (HHP 236N) Basic Human Nutrition	-	3	
COMM 111A Intro to Public Speaking (autumn M-Z, spring A-L)	(3)	(3)	
BIOM 250N (BIOL 106) Elementary Medical Microbiology	-	3	
HHP 184 Personal Health and Wellness (autumn M-Z, spring A-L)	(3)	(3)	
HHP 225 Professional Activities - Individual/Teal/Dual	-	2	
Total	16	17	
Second Year			
		A	S
HHP 224 Professional Activities-Outdoor Rec	2	-	
BIOE 172N (BIOL 121N) Introductory Ecology or SCI 350 General Science: Environmental Perspectives	2-3	-	
HHP 226 Basic Exercise Prescription	3	-	
HHP 233 Health Issues/Child & Adolescent	3	-	
HHP 240/241 Prevention and Care of Athletic Injuries	3	-	
BIOH 201N/202N (SCN 201N) Human Anatomy and Physiology I or BIOH 365 (BIOL 312) Human Anatomy and Physiology I for Health Professions (students who take BIOH 365-370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	4	-	
BIOH 211N/212N (SCN 202N) Human Anatomy and Physiology II or BIOH 370 (BIOL 313), Human Anatomy and Physiology II for Health Professions (students who take BIOH 365/370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	-	4	
EDU 202 (C&I 200) Early Field Experience	-	1	
EDU 395 (C&I 301 or 302) Field Experience: Grades 5-8 or Grades 9-12	-	1	
PSYX 230S (PSYC 240S) Developmental Psychology	-	3	
WRIT 222 (FOR 220) Technical Approach to Writing	-	2	
General Education L & Y courses	-	3	
Total	17-18	14	
Third Year			
		A	S
EDU 481 (C&I 427) Content Area Literacy	3	-	
HHP 339 Strategies in Elementary Physical Education	3	-	

HHP 368/369 Applied Anatomy and Kinesiology and Kinesiology Lab	4	-
HHP 475E Legal and Ethical Issues in Health and Exercise Professions	3	-
HHP 486 Statistical Procedures in Education or PSYX 222 (PSYC 220) Psychological Statistics or STAT 216 (MATH 241) Introduction to Statistics	3/4	-
HHP 377/378 Physiology of Exercise and Lab	-	4
EDU 370 (C&I 306) IntegTech into Educ	-	3
HHP 301 Strategies Secondary School Physical Education	-	3
HHP 384 Motor Control and Learning	-	3
HHP 466 Strategies in K-12 Health Education	-	3
Total	19-	16
	20	
Fourth Year		
	A	S
EDU 221 (C&I 303) Education Psychology and Measurement	3	-
EDU 407E (C&I 407E) Ethics and Policy Issues	3	-
EDU 345 (C&I 410) Exceptionality/Classroom Management	3	-
HHP 288-289 1st Aid/Emergency Care and CPR and Lab	3	-
HHP 465 Leading HHP Organizations	3	-
EDU 494 (C&I 494) Seminar/Workshop	-	1
EDU 495 (C&I 481) Student Teaching: K-8	-	7
EDU 495 (C&I 482) Student Teaching 5-12	-	7
Total	15	15

Courses

U = undergraduate credit only, UG = for undergraduate or graduate credit, G = for graduate credit. R after the credit indicates the course may be repeated for credit to the maximum indicated after the R. Credits beyond this maximum do not count toward a degree.

Health and Human Performance (HHP)

U 100-179 Health and Human Performance Activity Classes 1 cr. Offered every term. Students may include up to but not more than 4 credits earned in HHP 100-179 activity courses in the total number of credits required for graduation. Students graded Credit/No Credit based on participation and a strict attendance policy. For a complete list of all classes offered go to the HHP Activity Program website.

U 181 Foundations of Health and Human Performance 3 cr. Offered autumn and spring. An overview of the foundational principles comprising the field of HHP with special emphasis on the historical and philosophical foundations, and the evolution of the unity of mind/body concept. Includes an overview of program options, analysis of future directions, and career choices.

U 184 Personal Health and Wellness 3 cr. Offered autumn and spring. Focus on health principles and their relevance in contemporary society, the evaluation and application of scientific advances to hypothetical lifestyles, and on contemporary problems in life.

U 188 Pediatric First Aid & CPR 1 cr. Offered intermittently. Within the guidelines of the American Heart Association, this course is designed to provide students with the basic knowledge and certification in: CPR for victims of all ages, use of an automated external defibrillator (AED) relief of foreign body airway obstruction (FBAO) and basic first aid procedures (medical, trauma and environmental emergencies) with a focus on the pediatric patient. Upon successful completion of this course students will receive American Heart Association Heartsaver Pediatric First Aid/CPR certification.

U 189 Basic First Aid and CPR 1 cr. Offered spring. Instruction will cover CPR, use of an automated external defibrillator (AED) and relief of foreign-body airway obstruction (FBAO). The First Aid component will cover general principles as well as medical, injury and environmental emergencies. Students will receive AHA Heartsaver CPR and First Aid certification. This class does not meet First Aid requirements for HHP majors.

U 195 Special Topics Variable cr. (R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

U 200-222 Professional Activities for Majors and Minors 1 cr. Offered intermittently. All students required to meet

proficiency entrance standards set by instructor. (200) Swim Skills/Aquatic Fitness, (209) Soccer, (215) Tennis, (223) Special Activities.

U 224 Professional Activities I 2 cr. Offered Autumn. The instruction of basic skills for tennis, basketball, and bouldering. Techniques, drills, and strategies will be taught. Demonstration and instruction skills developed. Active participation required.

U 225 Professional Activities II 2 cr. Offered Spring. The instruction of basic skills for soccer, volleyball, and softball. Techniques, drills, and strategies will be taught. Demonstration and instruction skills developed. Active participation required.

U 226 Theory and Practice of Basic Exercise Prescription for Aerobic and Resistance Training 3 cr. Offered every term. Theory, principles, and practice of exercise prescription for aerobic and resistance exercise programs for health, fitness and performance. Students must register for the lecture and a linked lab.

U 233 Health Issues of Children and Adolescents 3 cr. Offered every term. Overview of current health issues affecting children and adolescents. Focus is on educational and preventive measures that can be implemented by teachers and schools through comprehensive school health education programs.

U 238 Lifeguarding New Method 2 cr. Offered autumn and spring. Prereq., HHP 149 or equiv. skills. Skill development needed for the safe participation in various aquatic activities including the ability of self-recovered rescue of others. Provides the necessary knowledge and skills to serve as a pool lifeguard.

U 240 Prevention and Care of Athletic Injuries Lecture 2 cr. Offered autumn. Coreq., HHP 241. Development of knowledge of prevention, assessment, treatment, rehabilitation, emergency care of athletic injuries.

U 241 Prevention and Care of Athletic Injuries Laboratory 1 cr. Coreq., HHP 240. Offered autumn. Development of practical skills in prevention, assessment, treatment, rehabilitation, and emergency care of athletic injuries.

U 242 Clinical Orientation in Athletic Training 1 cr. Offered spring. Prereq., admission into the athletic training education program. Orientation to clinical education in the collegiate athletic training setting.

U 249 Wilderness First Responder 2 cr. Offered intermittently. Instruction in the prevention, recognition, and treatment of backcountry illness and injury. Successful students receive an Aerie Wilderness First Responder certification and an American Heart Association Heartsaver CPR certification. This course meets HHP department First Aid requirement but does not meet the CPR requirement.

U 250 Ski Instructor's Preparation 2 cr. Offered spring. Prereq., consent of instr. Open to all students with advanced to expert skiing skills. Techniques of teaching skiing including: skill concepts and contemporary skiing movements; teaching cycle; movement analysis; personal skiing improvement. Prepares student for certification with (PSIA) Professional Ski Instructors of America.

U 251 Snowboard Instructor Preparation 2 cr. Offered spring. Prereq., consent of instr. Open to students with advanced to expert riding skills. Techniques of teaching snowboarding including: skill concepts and contemporary snowboarding movements; teaching cycle; movement analysis; personal riding improvement. Prepares student for certification with (ASSI) American Association of Snowboard Instructors.

U 270 Principles of Optimal Performance 2 cr. Offered autumn and spring. Introduction to an optimal performance model, with focus upon specific physical, psychological, and environmental factors that contribute to human performance.

U 288 Emergency Medical Responder Lecture 2 cr. Offered every term. Coreq., HHP 289. Development of knowledge of emergency care and CPR/AED techniques. In conjunction with HHP 289 provides certifications by the American Academy of Orthopedic Surgeons and the American Heart Association upon successful completion.

U 289 Emergency Medical Responder Lab 1 cr. Offered every term. Coreq., HHP 288. Development of knowledge of emergency care and CPR/AED techniques. In conjunction with HHP 288 provides certification by the American Academy of Orthopedic Surgeons and the American Heart Association upon successful completion.

U 295 Special Topics Variable cr. (R-6) Offered intermittently. Offerings of visiting professors, new courses, or current topics.

U 296 Independent Study Variable cr. (R-6) Offered every term. Prereq., consent of advisor and instr.

U 301 Instructional Strategies in Secondary School Physical Education 3 cr. Offered spring. ~~Coreq., C&I 301 or 302.~~ Application of educational theory in planning, analyzing, and presenting learning experiences to typical and atypical populations in secondary school physical education for students in grades 7-12. Active participation required.

U 317 Coaching Clinic 1-2 cr. (R-4) Offered intermittently. Covers a variety of activities to include coaching theories, competitive coaching strategies, training methods and techniques. Covers requirements for the bronze level of the American Sport Education Program (ASEP).

U 330 Foundations of Community Health Education and Promotion 3 cr. Offered autumn. Prereq., HHP 181. History, philosophy, and theory related to community health education and health promotion. Includes the application of program development principles and health promotion strategies to community health programs.

U 331 Wilderness Emergency Technician 3 cr. Offered intermittently. EMT-Basic curriculum with significantly more detail concerning care for patients in remote settings. Students must be 18 year old and never been convicted of a felony to qualify for certification. This course meets HHP department First Aid and CPR graduation requirements.

U 332 Emergency Medical Technician and Incident Management 5 cr. This course follows the DOT's National Registry of EMTs (NREMT) curriculum and is approved by the NREMT and the State of Montana Board of Medical Examiners. Incident management training includes mass-casualty incidents, extended rescue and evacuation scenarios. Clinical experience includes a two day health clinic in Costa Rica, ambulance and hospital emergency department clinical observations in Montana. Co-requisite courses PTRM 391 (RECM 395) Wilderness Rescue and Survival Skills; PTRM 391 (RECM 395) Wilderness Medicine and Risk Management.

U 334 Athletic Training Techniques 1-3 cr. (R-3) Prereq., HHP 242. Integration into athletic training practice emphasizing risk management, emergency procedures, acute care and athlete care in the preseason.

U 337 Aquatic Certifications 1-2 cr. (R-4) Offered spring. Prereq., HHP 238 or equivalent certifications. Offered on a rotating basis. Training for Water Safety Instructor, Lifeguard Training Instructor, or Adapted Aquatics Instructor. Red Cross Instructor's Certificate awarded upon successful completion of requirements.

U 339 Instructional Strategies in Elementary Physical Education 3 cr. Offered every term. Prereq. admission into Teacher Education Program in the College of Education and HHP 233. Application of educational theory in planning, analyzing, and presenting learning experiences to typical and atypical populations in elementary school physical education for children in grades K-6. Active participation required.

U 340 Practicum in Athletic Training I 3 cr. Offered autumn. Prereq., HHP 334. Introduction to basic clinical experience working in a CAATE approved setting.

U 341 Practicum in Athletic Training II 3 cr. Offered spring. Prereq., HHP 340. Basic clinical experience working in a CAATE approved setting.

U 342 Assessment of the Lower Extremities 2 cr. Offered autumn. Prereq., HHP 242, 334. The study and practice of techniques used when assessing athletic injuries to the lower extremities and lumbar spine.

U 343 Assessment of the Lower Extremities Lab 1 cr. Offered autumn. Prereq., HHP 242, 334. The practice of techniques used when assessing athletic injuries to the lower extremities and lumbar spine.

U 344 Assessment of the Upper Extremities 2 cr. Offered spring. Prereq., HHP 342, 343. Coreq., HHP 345. The study and practice of techniques used when assessing athletic injuries to the upper extremities, head and cervical spine.

U 345 Assessment of the Upper Extremities Lab 1 cr. Offered spring. Prereq., HHP 342, 343. Coreq., HHP 344. The practice of techniques used when assessing athletic injuries to the upper extremities, head and cervical spine.

U 361 Assessment in Physical and Health Education 3 cr. Offered autumn. Prereq., math course numbered above 100 and CS 171. Orientation to testing and measuring, the administrative use of tests, elementary statistical techniques and procedures.

U 366 Therapeutic Modalities 2 cr. Offered autumn. Coreq., HHP 342, 343, 367, 368, 369 or consent of instr. Physiology, indications, contraindications, and the application of therapeutic modalities for athletic injuries.

U 367 Therapeutic Modalities Laboratory 1 cr. Offered autumn. Coreq., HHP 342, 343, 366, 368, 369 or consent of instr. Physiology, indications, contraindications, and the application of therapeutic modalities for athletic injuries.

U 368 Applied Anatomy and Kinesiology 3 cr. Offered autumn. Prereq., BIOH 211N/212N (SCN 201N, 202N) or BIOH 370 (BIOL312/313); coreq., HHP 369. Anatomy and kinesiology of the neuromusculoskeletal system and body cavities in relation to movement and function.

U 369 Applied Anatomy and Kinesiology Laboratory 1 cr. Offered autumn. Prereq., BIOH 211N/212N (SCN 201N, 202N) or BIOH 370 (BIOL312/313); coreq., HHP 368. Anatomy and kinesiology of the neuromusculoskeletal system and body cavities in relation to movement and function.

U 370 Peer Health Education 3 cr. Offered spring. Introduction to peer health education strategies and techniques. Instruction in the areas of wellness, drug and alcohol abuse prevention, and sexual assault prevention. Students develop and implement a peer health program focused on prevention of major health problems among college students.

U 371 Peer Health Education Practicum 1-3 cr. (R-6) Offered autumn and spring. Prereq., HHP 370. Practical experience in planning, coordinating, and implementing health education activities for the campus community. Students address topics related to wellness, drug and alcohol prevention, or sexual assault awareness.

U 372 Rehabilitation of Athletic Injuries 2 cr. Offered spring. Prereq., WRIT 222 (FOR 220) or equiv., HHP 366, 367, 368, 369. Theories and application methods of comprehensive therapeutic rehabilitation programs for athletic injuries. Substantial reading and writing component.

U 373 Rehabilitation of Athletic Injuries Laboratory 1 cr. Offered spring. Prereq., HHP 366, 367, 368, 369; coreq., HHP 372W. Laboratory sessions examining principles of biomechanics and their application to athletic injury. Utilization of various practical applications of rehabilitation techniques and equipment used for reconditioning of incapacitating athletic injury.

U 377 Physiology of Exercise 3 cr. Offered every term. Prereq., BIOH 370 (BIOL 313) or BIOH 212N (SCN 202N), HHP 226; coreq., HHP 378. Investigation of the physiological changes and the significance of these changes as they occur during physical work, activity and exercise. Focus on basic energy, musculoskeletal, nervous, cardiovascular and respiratory systems as they relate to aerobic and anaerobic exercise. Emphasis will be placed on the response of these systems to both acute exercise, and the adaptations to chronic exercise. Credit not allowed toward graduate degree in the exercise science option in Health and Human Performance.

U 378 Physiology of Exercise Laboratory 1 cr. Offered autumn and spring. Prereq., BIOH 370 (BIOL 313) or BIOH 212N (SCN 202N); coreq., HHP 377. Laboratory session examining the physiological effect of the physical work, activity and exercise on the functions of the human body. Credit not allowed toward graduate degree in the exercise science option in Health and Human Performance.

U 384 Motor Control and Learning 3 cr. Offered autumn and spring. Prereq., BIOH 201N (SCI 201) or BIOH 365 (Biol 312). Application of research in motor learning with emphasis on developmental and psychological factors related to motor skill acquisition and autonomous motor performance.

U 395 Special Topics Variable cr. (R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

U 401 Assessment of the Thorax and Medical Conditions in the Athlete 2 cr. Offered autumn. Prereq., HHP 344, 345 or consent of instr.; coreq., HHP 402. Recognition and assessment techniques of thorax, abdomen and general medical conditions in sports.

U 402 Assessment of the Thorax and Medical Conditions in the Athlete Lab 1 cr. Offered autumn. Prereq., HHP 344, 345, or consent of instr; coreq., HHP 401. Laboratory sessions to develop recognition and assessment techniques of thorax, abdomen and general medical conditions in sports.

UG 411 Advanced Practicum in Athletic Training I 3 cr. Offered autumn. Prereq., HHP 341. Advanced clinical experience in CAATE approved setting. Each student manages injuries of a specific sport and performs administrative duties.

UG 412 Advanced Practicum in Athletic Training II 3 cr. Offered spring. Prereq., HHP 411. Advanced clinical experience in CAATE approved setting. Each student manages injuries of a specific sport and performs administrative duties.

UG 415 Health and the Mind/Body/Spirit Relationship 3 cr. Offered autumn. Prereq., junior standing. Overview of how the mind/body/spirit relationship affects health. Examination of current research exploring how thoughts, emotions, attitudes, and beliefs influence and mediate health outcome. Exploration of the theoretical applications of mind/body/spirit in health and healing used in contemporary society.

UG 417 Fundamentals of Coaching 3 cr. Offered autumn. Prereqs., HHP 377 and junior or senior undergraduate status or graduate status. This class will introduce students to a solid foundation in coaching to include: coaching theories, competitive coaching strategies, training methods and techniques. This course will cover the requirements for the bronze level of the American Sport Education Program (ASEP). Course graded credit/no credit or for a letter grade. The class is appropriate for coaches at all levels but will focus on basic skills of coaching for youth through high school.

UG 425 Relaxation and Self Enhancement 3 cr. Offered autumn and spring. Prereq., junior status. The study of psychosomatic and somatopsychic techniques for relaxation and self-enhancing strategies.

UG 430 Health Aspects of Aging 3 cr. Offered spring. Same as HS and SW 430. Overview of the health aspects of aging in the United States including biological theories of aging, normal physiological changes associated with aging systems, common pathological problems associated with aging, cultural and ethnic differences in the health of elders, health promotion and healthy aging, and the health care continuum of care for older persons.

UG 435 Advanced Strength Training and Conditioning 3 cr. Offered spring (starting 2012). Prereq., HHP 377, senior or graduate student status. Advanced resistance and aerobic exercise testing and prescription for both healthy and clinical populations.

UG 440 Instructor First Aid and CPR 1 cr. Offered summer. Prereq., HHP 288, 289 or equiv. Provides knowledge and certification to teach the skills of CPR for victims of all ages, use of automated external defibrillator (AED), relief of foreign body airway obstruction (FBAO) and first aid procedures. Upon successful completion of this course students will receive certifications to teach American Heart Association and American Academy of Orthopedic Surgeons and CPR courses at all levels.

U 448 Teaching Anatomy and Physiology 2 cr. (R-4) Offered every term. Prereq., student must have received at least a "B" in Human Anatomy and Physiology and consent of instructor. Students assist in preparation and grading

of demonstrations and laboratory assignments, and provide laboratory instruction of undergraduate students enrolled in BIOH 201N/202N-211N/212N (SCN 201/202). Students are given advanced instruction in principles of human anatomy and physiology.

U 449 Teaching Health and Human Performance 1-3 cr. (R-4) Offered every term. Prereq., consent of instructor. Students assist in the preparation and grading of demonstrations and laboratory assignments, and laboratory instruction of undergraduate students enrolled in HHP laboratory courses. Students are given advanced instruction in principles of the HHP course.

UG 450 Analytical and Communication Techniques 3 cr. Offered every term. Prereq., WRIT 101 (ENEX 101), WRIT 121 (WTS 115) or WRIT 201 (ENEX 200) or WRIT 222 (FOR 220), and a passing score of 33 on the Writing Proficiency Assessment (WPA). Analysis and communicative critique of literature, cinema, and other forms of popular media that contain allegorical life themes. Substantial reading, speaking and writing component. Emphasis on improving and maintaining communication skills.

UG 455 Workshop Variable cr. (R-6) Offered intermittently. Special courses experimental in nature dealing with a relatively narrow, specialized topic of particular current interest. Credit not allowed toward a graduate degree.

UG 460 Biomechanics 3 cr. Offered spring. Prereq., HHP 377 & M 115 (MATH 117) or higher. Description and analysis of the fundamental principles of human movement. Includes quantitative study of the Newtonian mechanics governing biological motion and the roles of the musculo-skeletal, nervous and cardio-vascular systems during human activity.

UG 465 Leading Health and Human Performance Organizations 3 cr. Offered every term. Prereq., HHP 181 and junior standing. Leadership, management, organizational structure assertiveness, conflict management, public relations, decision-making, budget management, and a broad overview of human resource management, all as they relate to health and human performance settings.

UG 466 Strategies in K-12 Health Education 3 cr. Offered autumn even-numbered years. Prereq., admission to the teacher education program. Focus on developing and implementing strategies to teach K-12 health education.

UG 470 Foundations in Sport and Exercise Psychology 3 cr. Offered autumn. Prereq., upper-division or graduate status. Course content is focused on the historical development of sport psychology, with emphasis upon the major principles and tactics of the discipline, including motivation, confidence, imagery, leadership, and team building.

UG 475E Legal and Ethical Issues in the Health and Exercise Professions 3 cr. Prereq., upper-division or graduate status. Legal bases for litigation in the health and exercise professions, with emphasis on negligence, liability, and risk identification and risk management. Utilizing the Western ethical traditions, the ethics component examines moral/ethical development through the lifespan via analysis of specific human behaviors.

U 478 Athletic Training Organization and Administration 2 cr. Offered spring. Exploration of the aspects of athletic training organization and administration. Topics include program management, personnel management, insurance, risk management, ethics, organization of pre-participation physical examinations, leadership styles, budget planning, equipment/inventory management and athletic training facility design.

UG 479 Sports Medicine 2 cr. Offered spring. Prereq., HHP 377 and HHP 368. The etiology and management of sports related injuries/illnesses. Includes: therapeutic use of drugs, pre-participation screening techniques, ergogenic aids, the aging athlete, the sports medicine team concept and current medical treatment of sports injuries.

UG 482 Electrocardiogram Assessment 1 cr. Offered autumn. Prereq. HHP 377,378. Laboratory sessions combined with class sessions to understand electrocardiology and the assessment of electrocardiograms, both at rest and during exercise.

UG 483 Exercise, Disease and Aging 3 cr. Offered autumn and spring. Prereq., HHP 377, 378; Coreq. HHP 484. Focus on guidelines for exercise testing and prescription for individuals with chronic disease including heart disease,

diabetes, hypertension, arthritis, osteoporosis, elderly and pulmonary disease. Class requires 25 assigned hours of service learning. Covers material necessary for ACSM clinical certification exam when combined with HHP 226, 377, 378, 482 and 484.

UG 484 Exercise, Disease and Aging Laboratory 1 cr. Offered autumn and spring.. Prereq., HHP 377, 378. Coreq., HHP 483. Laboratory sessions focus on practical exercise testing and prescription for individuals with chronic disease including coronary heart disease, diabetes, hypertension, arthritis, osteoporosis, elderly and pulmonary disease; basic ECG testing and analysis. Covers material necessary for ACSM clinical certification exam when combined with HHP 226, 377, 378, 482 and 483.

UG 485 Theories of Health Behavior and Counseling 3 cr. Offered autumn. Exploration of the helping role as it relates to health behavior, health assessment, problem-solving and referral skills. Application of theories to facilitation of healthy behavior changes.

UG 486 Statistical Procedures in Education 3 cr. Offered autumn even-numbered years. Prereq., M 115 (MATH 117) or equiv. or consent of instr. Same as C&I 486. Concepts and procedures characterizing both descriptive and inferential statistics. Awareness of common statistical errors.

UG 488 Program Planning for Community Health 3 cr. Offered spring, even-numbered years. Prereq., HHP 330. Overview of the issues, approaches, and techniques community health educators and professionals utilize in planning and implementing programs to assist communities in improving health status and reducing risky behaviors and their determinants.

UG 494 Seminar 1-3 cr. (R-6) Prereq., consent of instr. Offered intermittently.

UG 495 Special Topics Variable cr. (R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

U 496 Independent Study 1-3 cr. (R-6) Offered every term. Prereq., consent of instr.

U 497 Research 1-3 cr. (R-6) Offered every term. Prereq., consent of instr.

U 498 Internship 2-6 cr. (R-6) Offered every term. Prereq. all HHP options minimum junior standing and HHP 288/289 (or equivalent). Prereqs per option. Exercise Science Applied: HHP 377/378. If internship is coaching or strength & conditioning must also have completed HHP 435 and HHP 417. Exercise Science Pre-Professional: HHP 377/378. If internship is cardiac rehab must also have completed HHP 482/483/484. Community Health: HHP 330. Supervised field experiences with private businesses, public agencies, or institutions. 45 hours of internship site work = 1 credit. A maximum of 6 credits of Internship 498 may count toward graduation. Students should not be registered for more than 14 credits their internship semester.

U 499 Senior Project 3 cr. Offered autumn. Prereq., HHP senior standing. Theory and practical experience in research design, data collection, results analysis and report writing. Students will generally assist with ongoing research as well as attend formal classroom presentations and discussions. Students with a well-developed research idea may be allowed to undertake independent research in addition to the formal classroom sessions.

G 520 Educational Research 3 cr. Offered every term. Same as C&I and EDLD 520. An understanding of basic quantitative and qualitative research methodology and terminology, particularly as they are used in studies presented in the professional literature.

G 522 Cognitive-Behavioral Interventions in Performance Psychology 3 cr. Offered intermittently. Prereq., HHP 470 or equiv. Focus is on cognitive-behavioral interventions specific to enhancing human performance in a variety of individual and group settings. Strategies introduced based on research from health psychology, sport psychology, exercise psychology, clinical and counseling psychology

G 523 Case Studies in Performance Psychology 2 cr. Offered intermittently. Prereq., consent of instr. Cognitive-

behavioral performance psychology interventions in actual and hypothetical case study applications. Successful and unsuccessful approaches from sport psychology and sport counseling are reviewed as cases in progress; alternative outcomes discussed.

G 524 Ethics and Human Performance 3 cr. Offered spring, even numbered years. A critical examination of the ethical issues dominating the field of health and human performance and beyond with special emphasis on developing the conceptual frameworks needed to articulate our concerns and engage in meaningful dialogue with others.

G 528 Advanced Exercise Prescription 3 cr. Offered spring. Prereqs., Graduate status or consent of the instructor. This class presents the principles and practices of advanced athletic performance training in a thorough and useful sequence. Testing and improving power, strength, speed, quickness, coordination, agility, flexibility, local muscular endurance, and cardiovascular aerobic capacity and endurance are covered based on the scientific record. Students will learn how to tailor sport specific training exercises and drills and periodize the training program precisely for peak performance at critical points in the competitive season.

G 529 Advanced Physiology of Exercise I 3 cr. Offered autumn. Prereq., HHP 377, 378 or equiv. Advanced study of the effect of work, activity and exercise on human biochemistry, metabolism, endocrinology and muscle function.

G 530 Advanced Physiology of Exercise II 3 cr. Offered spring. Prereq., HHP 529 or equiv. Advanced study of system physiology (circulatory, respiratory and renal function) and environmental factors applied to physical work, activity and exercise

G 531 Laboratory Procedures in Exercise Science 3 cr. Offered spring. Introduction to common laboratory tools associated with clinical and health assessment techniques, research measures, and data collection.

G 540 Community Health Promotion Strategies 3 cr. Offered autumn even-numbered years. Exploration of the role of the health professional in the development and implementation of educational, organizational, economic, and/or environmental strategies that promote individual and community health.

G 541 Program Development in the Health Professions 3 cr. Offered spring odd-numbered years. Prereq., HHP 540. Examination and application of the issues, approaches, and techniques community health educators/professionals and behavioral & social scientists utilize in planning, implementing, and evaluating programs to assist communities in improving health status and reducing risky behaviors and their determinants.

G 545 Advanced Nutrition and Chronic Disease 2 cr. Offered intermittently. Instruction will investigate the relationship between nutrition and selected chronic diseases with special emphasis on understanding the research methodology and dissemination of study outcomes reported in the literature for nutrient-disease interactions.

G 544 Community-based Participatory Research Methods for Health 3 cr. Offered autumn. Instruction will present the principles and practice of community-based participatory research methods (CBPR) as a collaborative approach to research that offers strategies for studying and addressing health and social problems.

G 594 Seminar 1-3 cr. (R-6) Offered spring. Prereq., consent of instr.

G 595 Special Topics Variable cr. (R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

G 596 Independent Study Variable cr. (R-6) Offered every term. Prereq., consent of instr.

G 597 Research Variable cr. (R-6) Offered every term. Prereq., HHP 486, 520.

G 598 Internship Variable cr. (R-4) Offered every term. Prereq., current First Aid and CPR certification. Consent of advisor and instructor. Community Health prereq HHP 540, HHP 544. Supervised field work in public and private agencies and institutions. 45 hours of internship site work = 1 credit.

G 599 Professional Paper Variable cr. (R-3) Offered every term. Prereq., HHP 486, 520.

G 699 Thesis Variable cr. (R-6) Offered every term.

Athletic Training Education Program (ATEP)

G 534 Athletic Training Techniques 3 cr. Prereq. Athletic Training Student, Integration into athletic training practice emphasizing risk management, emergency procedures, acute care and athlete care in the preseason.

G 540 Clinical Practicum in Athletic Training II 3 cr. Offered Fall. Prereq. Athletic Training Student. Assigned clinical experiences in a variety of Athletic Training Settings to meet CAATE accreditation clinical proficiencies.

G 541 Clinical Practicum in Athletic Training II 3 cr. Offered spring. Prereq., ATEP 540. Assigned clinical experiences in a variety of Athletic Training Settings to meet CAATE accreditation clinical proficiencies.

G 542 Assessment of the Lower Extremities 3 cr. Offered autumn. Prereq., Admission into Athletic Training Education Program. The study and practice of techniques used when assessing athletic injuries to the lower extremities and lumbar spine.

G 544 Assessment of the Lower Extremities 3 cr. Offered spring. Prereq. ATEP 542, The study and practice of techniques used when assessing athletic injuries to the upper extremities, head and cervical spine.

G 546 Assessment of the Thorax and Medical Conditions in the Athlete 3 cr. Offered summer. Prereq., HHP 544. Recognition and assessment techniques of thorax, abdomen and general medical conditions in sports.

G 550 Advanced Clinical Practicum in Athletic Training I 3 cr. Offered spring. Prereq. ATEP 541 Assigned Advanced clinical experiences in a variety of Athletic Training Settings to meet CAATE accreditation clinical proficiencies.

G 551 Advanced Clinical Practicum in Athletic Training II 3 cr. Offered spring. Prereq. ATEP 550 Assigned Advanced clinical experiences in a variety of Athletic Training Settings to meet CAATE accreditation clinical proficiencies.

G 566 Therapeutic Modalities 3 cr. Offered autumn. Coreq., ATEP 542, 569 or consent of instr. Physiology, indications, contraindications, and the application of therapeutic modalities for athletic injuries.

G 569 Clinical Anatomy Laboratory 1 cr. Offered Fall. Prereq. ATEP Student. Clinical applications of anatomy in Athletic Training. Laboratory time for practical applications including prosected cadavers, surface anatomy, osteology, radiology, functional analysis of movement, applied clinical anatomy and sports application.

U 572 Therapeutic Exercise 3 cr. Offered spring. Prereq., ATEP 566, Theories and application methods of comprehensive therapeutic exercise programs for athletic injuries. Substantial reading and writing component.

G 574 Manual Therapy Techniques. 3 cr. Offered spring. Pre-req., ATEP 572, Theories and application methods of comprehensive manual therapy for athletic injuries.

G 578 Leadership Techniques in Athletic Training 3 cr. Offered spring. Exploration of the aspects of athletic training leadership styles, organization and administration. Topics include program leadership, management, personnel management, insurance, risk management, ethics, and organization of pre-participation physical examinations, budget planning, equipment/inventory management and athletic training facility design.

Nutrition (NUTR)

U 221N (HHP 236N) Basic Human Nutrition 3 cr. Offered autumn and spring. The principles of science as applied to current concepts and controversies in the field of human nutrition.

UG 411 (HHP 446) Nutrition for Sports and Exercise 3 cr. Offered autumn and spring. Prereq., HHP 377and

junior standing. Nutritional parameters of athletic performance including intervention planning, energy production, the energy nutrients, vitamins and minerals, principles of balanced diets, timing and composition of intakes, hydration, weight management strategies, and nutritional needs for special situations.

Faculty

Professors

Gene Burns, Ed.D., The University of Montana, 1988

Laura Dybdal, Ph.D., University of New Mexico, 1996

Steven Gaskill, Ph.D., University of Minnesota, 1998

Arthur W. Miller, Ph.D., University of New Mexico, 1981

Brent Ruby, Ph.D., University of New Mexico, 1994

K. Ann Sondag, Ph.D., Southern Illinois, Carbondale, 1988

Charles Dumke, Ph.D., University of Wisconsin, 2000

Associate Professors

Blakely Brown, Ph.D., R.D., University of Minnesota, 2000

Valerie Moody, Ph.D., ATC, CSCS, University of South Florida, 2006 (Co-Director of Athletic Training Education Program)

Charles Palmer, Ed.D., University of Montana, 2002

Scott Richter, Ed.M., Oregon State University, 1982 (Chair, Co-Director of Athletic Training Education Program)

Assistant Professor

Dennis T. Murphy, M.S., University of Arizona, 1976 (Head Athletic Trainer)

Instructors

Adrienne M. Corti, M.S., The University of Montana, 1989

Stephanie Domitrovich, M.S., The University of Montana

Linda Green, B.S., Florida State University, 1976

Karla Judge, M.S., ATC, Idaho State University 1991

Ellen Parchen, B.S., West Chester University, 1994

J. C. Weida, M.S., ATC, The University of Montana, 1995

Emeritus Professors

Kathleen Miller, Ph.D., University of Iowa, 1971

Gary Nygaard, EdD., University of Oregon, 1971

Brian J. Sharkey, Ph.D., University of Maryland, 1965

Thomas R. Whiddon, Ed.D., The University of Montana, 1975

Sharon Dinkel Uhlig, Ed.D., University of Utah, 1982

Emeritus Associate Professors

George Cross, M.S., Indiana University, 1956

Mavis M. Lorenz, M.S., University of Washington, Seattle, 1954

Intercultural Youth and Family Development

Lynne Sanford Koester (Professor of Psychology), Director

Housed in the Department of Counselor Education, this interdisciplinary master's degree program is designed for students who wish to engage in culturally-relevant volunteer work or paid employment in the realm of child and family assistance. It is affiliated with the United States Peace Corps as a partner school for their master's international program. Requirements include one year of full-time instruction at UM, a significant period of time engaging in internship work in an applied intercultural setting, and a final professional paper or thesis. Internships will typically be 1-2 years and will involve work in a culture other than one's own. Students participating in this program are expected to gain the following background and competencies:

- . important interculturally-informed helping skills for working with youth, women, families and communities in culture other than their own
- . a solid background in issues, concerns, and critiques regarding assistance and interventions across culture, both historically and currently
- . opportunity to pursue and participate in a significant field experience, working with an established helping agency in another culture or country.

Courses

U=for undergraduate credit only, UG=for undergraduate or graduate credit, G=for graduate credit. R after the credit indicates the course may be repeated for credit to the maximum indicated after the R. Credits beyond this maximum do not count toward a degree.

Intercultural Youth and Family Development (IYFD)

G 501 Intercultural Aspects of Human Development I 3 cr. Offered autumn. Explorations of child rearing practices, parenting beliefs, and cultural variations in infancy and early child development.

G 502 Intercultural Aspects of Human Development II 3 cr. Offered spring. Explorations of cultural variations in later childhood, adolescence and adulthood, with particular focus on issues such as multicultural adoption, identity, and the role of poverty.

G 510 Applied Intercultural Skills Development 2 cr. Offered autumn. Focus on applied skills in two areas: crosscultural negotiation and conflict management; program development and grant writing.

G 520 Critical Thinking 3 cr. Exploration of psychological, political, spiritual, ethical, and practical dimensions of offering assistance cross-culturally. This course includes discussion of ethical and personal issues related to intercultural work, gender and development, trauma, program evaluation, etc.

G 595 Special Topics 2-6 cr. (R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

G 596 Independent Study 1-6 cr. (R-6) Offered every term. Directed readings and other individualized study topics guided by faculty.

G 598 Internship 1-6 cr. (R-6) Offered every term. Introduction to service learning in applied settings, usually local.