Each of the four departments of the college focuses on a specific aspect of professional education. Three departments offer undergraduate degrees. The major entitled Interdisciplinary Studies is housed within the Curriculum and Instruction Department. One major, Human Development and Family Studies, and two certification areas, Special Education and Special Education Supplemental, are housed in the Educational Psychology Department. Three majors—Health, Human Nutrition and Foods, and Kinesiology—are housed in the Health and Human Performance Department.

**Curriculum and Instruction**
Interdisciplinary Studies: B.S.

**Educational Psychology**
Human Development and Family Studies: B.S.

**Health and Human Performance**
Health: B.S.
Human Nutrition and Foods: B.S.
Kinesiology: B.S.
Kinesiology—Exercise Science: B.S.
Kinesiology—Movement and Sports Studies: B.S.
Kinesiology—Sports Administration: B.S.

**General Requirements for a Baccalaureate Degree**
Students are required to meet the general requirements for a baccalaureate degree including the completion of the university core curriculum requirements. See the Academic Regulations and Degree Requirements section of this catalog for details.

**Student Responsibility**
All students are responsible for being aware of university and college regulations in regard to the standard of work required to continue in the university and college, as well as the requirements for their degree programs, including appropriate course work and the proper sequence of courses in this program. This can be accomplished by securing and being familiar with your copy of the *Undergraduate Studies* catalog that pertains to your year of entrance.

In addition, students are expected to verify their class schedules each semester and to take responsibil-
ity for having necessary corrections (i.e., drops, adds, payment) made within established time periods. Students must secure and retain all documentation of registration or changes to their schedules (dropped and/or added courses) and any other transactions affecting enrollment during their period of study at the university.

Additional Requirements

For additional requirements, education students should refer to the sections in the front of this catalog pertaining to Admissions, Advising, Orientation, Registration, Suspension, Graduation, and Honors, and should also refer to the current class listings.

Minors

College of Education approved minors require:

1. At least fifteen semester hours, of which nine must be advanced.
2. Six of the nine advanced semester hours must be taken in residence.
3. A 2.00 minimum cumulative grade point average on courses attempted in the minor (2.50 for Education minor).
4. A minor degree plan which will be prepared by the Department of Health and Human Performance, 104 Garrison Gym.

Approved minors within the College of Education are:

American Studies

A minor in American Studies requires a minimum of 18 semester hours. Twelve of the 18 hours must be in residence of which 9 hours must be advanced. No more than 6 semester hours can be taken from one field of study. Minimum 2.0 grade point average for all courses applied to the minor is required. All students are required to take the following courses in this minor.

CUST 2300 and 4300

Students are also required to take 3 semester hours from the following: ANTH 2302, 2304, ECON 2304, 2305, ENGL 2323, PSYC 2380, SOC 2325

In addition, students must successfully complete nine (9) semester hours to be taken from the Human and Social Sciences, from which at least 6 semesters hours must be taken at the upper level 3000-4000, including at least 3 semester hours at the 4000-level. Students may choose from the following courses: AMER 3300, ANTH 3363, ARCH 3358, CHNS 2301/2302, 3350, 3352, COMM 3375, 3379, CUST 3310 (3397), 3315, 4320, ECON 3355, JPN 2501/2502, POLS 4320, 4321, 4322, SOC 3327, 3390, RELS 3396

Note: On occasion, new courses including selected topics will be added to this list as they are developed. Other appropriate courses may be approved for this minor by petition. These courses or special topics must contain or deal with issues relevant to American Studies in order to be approved for the Minor.

Education

EDUC 3205 and 3206 or 3301, EPSY 3300, education methods courses (6 semester hours), and CUIN 3347 or equivalent.

Note: This minor is only for teacher education students who have been formally admitted and have completed or are completing the Professional Development Sequence.

Health

HLT 1353, 2320, 3301, 3381 and three hours selected from junior or senior level Health courses.

Human Development and Family Studies

Required Courses:

HDFS 1300 and 2317

Electives: Nine semester hours to be selected from the following:

HDFS 3317, 3318, 3350, 4316, 4317, 4318, 4319, 4320, 4397 (Topics in Family Studies only)

Kinesiology

KIN 3305, 3306, 3309, 4315, DAN 2307, PEB 1101, and a one hour KIN activity course.

Note: This minor requires a total of 17 semester hours.

Teacher Certification Program

The university and the College of Education offer bachelor’s degree programs that meet the State Board for Educator Certification and the Higher Education Coordinating Board (THECB) requirements for the standard teaching certificate. Students are required to have a Texas teaching certificate to teach in Texas public schools. The college offers the following standard teaching certificates: early childhood-4; 4-8; 8-12; all-level (EC-12) for specific subjects; Special Education all-level; and Special Education Supplemental.

Teacher certification programs are offered for post-baccalaureate students who hold at least a bachelor’s degree. See the Education section of the Graduate and Professional Studies catalog for further information or see an advisor in 112 Farish Hall.

All potential teacher certification candidates will be subject to a formal FBI fingerprint check before being issued a Texas teaching certificate.

All teacher certification transactions for the university, including those for postbaccalaureate students, are made through the Teacher Education and Certification Office in the College of Education. Inquiries should be directed to:

University of Houston
College of Education
Teacher Education and Certification Office
112 Farish Hall
Houston, Texas 77204-5033
713-743-5046
Interdisciplinary Studies
Students seeking early childhood-4 and 4-8 certification must complete the requirements for the interdisciplinary studies major. Students should apply for an official degree plan in 112 Farish Hall when they reach 60 semester hours of completed course work.

The interdisciplinary studies major is composed of five components: academic foundations, pre-professional development courses, specific B.S. and Coordinating Board requirements for mathematics and science, and the Professional Development Sequence. This degree requires 120–139 semester hours. Degree outlines are available in 112 Farish Hall.

Certificates Available:
EC-4 Generalist
EC-4 Bilingual Generalist
EC-4 Special Education
4-8 Mathematics
4-8 Science
4-8 Social Studies
4-8 English, Language Arts
EC-12 Special Education
Special Education Supplemental
Bilingual Supplemental

Professional Development Sequence
Professional preparation is conducted in two phases, a) pre-student teaching and b) student teaching. Pre-student teaching consists of courses taken at the university and in public schools and follow the school district’s schedule. To be admitted to these classes, students will be screened for eligibility as outlined below. Pre-student teaching may be taken during one semester or in two semesters. Near the end of pre-student teaching, students present a portfolio that demonstrates they are ready to begin the student teaching phase.

Admission to the Professional Development Sequence
The Professional Development Sequence requires formal application. Deadlines are as follows:
Spring: October 1
Fall: March 1

Applications are available in 112 Farish Hall. The requirements are:
• Passing scores on the Texas Higher Education Assessment (THEA). College of Education passing scores on THEA are higher than the minimum passing scores required by the University of Houston;
• Speech Proficiency;
• Computer Proficiency;
• 2.50 GPA overall;
• 2.50 in academic fields/specializations.

Students must be accepted into the Professional Development Sequence to take any course listed in the Professional Development Sequence of their degree plans.

Transfer Courses
Transfer of pre-professional and specialization courses requires approval by petition to the Associate Dean for Undergraduate Studies, Certification, and Accreditation. The 18-24 semester hours of professional development courses must be completed in residence.

Certification
Students must apply for their teaching certificate through 112 Farish Hall when they have completed all course work for their degree and have taken and passed the Texas Examination of Educator Standards (TExESs) required for certification.

Time Limitation
Professional Development Sequence, pre-professional development and specialization courses completed at the University of Houston and/or transfer credits may not apply toward a degree or teacher certification if more than five years have elapsed upon application for certification. Current standards will be enforced.

Supplementals
8-12 Grade Certification Programs
Certification as an 8-12 grade teacher is provided through Professional Development Sequences in the College of Education in conjunction with degree programs in the Colleges of Liberal Arts and Social Sciences, Natural Sciences and Mathematics, and Technology. Courses are jointly approved by these colleges and the College of Education. For certification within a degree program in any of these three colleges, see the specific college section of this catalog. Advisors for students seeking teaching certificates in addition to their degrees are located in these colleges. Students must carefully follow the degree plan prepared by their college. Normally, students may apply for a degree plan as soon as they hold junior status.

To confer a bachelor’s degree and teacher certification, each of the colleges listed above and the College of Education require a minimum of 120 semester hours of course work.

Academic Teaching Fields: Grades 8-12
English, Language Arts and Reading
History
Life Sciences
Mathematics
Physical Sciences
Science
Social Studies
Business Education
Journalism
French
German
Latin
Spanish
Marketing Education
Speech
All-Level Certification

a) Special Education All-Level Initial Certification is available in the Department of Educational Psychology. 

b) Special Education Supplemental Certification may be added to any certification in Education. Please see the Department of Educational Psychology website for details: www.coeh.uh.edu/departments/epsy.cfm.

Professional Development Sequence

Upon completion of pre-student teaching courses, students will be eligible for student teaching. Student teaching also requires formal application. Deadlines are as follows:

   Spring: September 15  
   Fall: February 15

Applications are available in 112 Farish Hall. Student Teaching requires 14 weeks in the public schools and can be done only during the Fall or Spring semesters. Student teaching must be completed at the University of Houston.

See Certification portion of this catalog section.

Bachelor of Science and All-Level (EC-12) Certification Programs

Academic Teaching Fields: EC-12

- Art  
- Kinesiology  
- Music  
- Health  
- Dance  
- Special Education

Reading

Courses: Reading (READ)

1300: Reading Skills Cr. 3. (3-0). Work in improving reading rates, vocabulary, and comprehension. May not be used to satisfy any degree requirement.

Education

Director of Teacher Education: Lane Roy Gauthier

Courses: Education (EDUC)

3205:3206: Learning to Teach Cr. 2 per course (2-2). Prerequisite: admission to professional development sequence. Field-based course on principles of teaching and learning in educational settings; focus on teaching/learning processes; and structure, organization, and management of schools.

3301: Introduction to Teaching Cr. 3. (3-9). Prerequisite: admission to professional development sequence. Field-based experiences using the principles of teaching and learning; legal and ethical aspects in teaching; structure, organization, and management of schools.

3302: Introduction to Teaching Cr. 3. (3-9). Prerequisites: EDUC 3301 and admission to professional development sequence. Alignment and application of teaching and learning principles.

4197:4297:4397: Selected Topics in Education Cr. 1-3 per semester or more by concurrent enrollment. Prerequisite: consent of instructor. May be repeated when topics vary.

4303: Teaching and Learning Cr. 3. (3-9). Prerequisite: admission to professional development sequence. Supervised practicum analyzing cognitive and affective characteristics of learners, including growth and development, special populations, testing, measurement, and evaluation.

4304: Seminar in Teaching Cr. 3. (3-9). Prerequisites: admission to professional development sequence and concurrent enrollment in student teaching. Advanced practicum analyzing curriculum design and implementation; techniques for instruction, applied motivation, and classroom management; legal, political, and ethical concerns in education; social, cultural, and philosophic background for education in a multicultural society.

4311:4312: Student Teaching: Elementary Cr. 3 per course. (3-9). Prerequisites: completion of professional development sequence and admission to student teaching. Demonstration of specified competencies in a school setting guided by a cooperating teacher and directed by a university supervisor. Seminar required.

4313: Student Teaching: Early Childhood Education Cr. 3. (3-9). Prerequisites: completion of professional development sequence and admission to student teaching. Demonstration of specified competencies in a school setting guided by a cooperating teacher and directed by a university supervisor. Seminar required.

4314:4315: Student Teaching: Secondary Cr. 3 per course. (3-9). Prerequisites: completion of professional development sequence and admission to student teaching. Demonstration of specified competencies in a school setting guided by a cooperating teacher and directed by a university supervisor. Seminar required.

4316: Student Teaching: Art–Elementary Cr. 3. (3-9). Prerequisites: completion of professional development sequence and admission to student teaching. Demonstration of specified competencies in a school setting guided by a cooperating teacher and directed by a university supervisor. Seminar required.

4317: Student Teaching: Art–Secondary Cr. 3. (3-9). Prerequisites: completion of professional development sequence and admission to student teaching. Demonstration of specified competencies in a school setting guided by a cooperating teacher and directed by a university supervisor. Seminar required.

4318: Student Teaching: Music–Elementary Cr. 3. (3-9). Prerequisites: completion of professional development sequence and admission to student teaching. Demonstration of specified competencies in a school setting guided by a cooperating teacher and directed by a university supervisor. Seminar required.

4319: Student Teaching: Music–Secondary Cr. 3. (3-9). Prerequisites: completion of professional development sequence and admission to student teaching. Demonstration of specified competencies in a school setting guided by a cooperating teacher and directed by a university supervisor. Seminar required.

4320: Student Teaching: PE–Elementary Cr. 3. (3-9). Prerequisites: completion of professional development sequence and admission to student teaching. Demonstration of specified competencies in a school setting guided by a cooperating teacher and directed by a university supervisor. Seminar required.

4321: Student Teaching: PE–Secondary Cr. 3. (3-9). Prerequisites: completion of professional development sequence and admission to student teaching. Demonstration of specified competencies in a school setting guided by a cooperating teacher and directed by a university supervisor. Seminar required.

4324: Student Teaching: 4-8 Cr. 3. Prerequisites: completion of professional development sequence and admission to student teaching. Demonstration of specified competencies in a school setting guided by a cooperating teacher and directed by a university supervisor. Seminar required.

4325: Student Teaching: 4-8 Cr. 3. Prerequisites: completion of professional development sequence and admission to student teaching. Demonstration of specified competencies in a school setting guided by a cooperating teacher and directed by a university supervisor. Seminar required.

4394: Student Teaching Practicum Cr. 3. (3-0). Prerequisites: completion of professional development sequence and admission to student teaching. Student teaching in special and extended student teaching assignments with supervised observation.
The Department of Curriculum and Instruction offers courses under four headings: art education (ARED), curriculum and instruction (CUN), elementary education (ELED), and secondary education (SEDE).

See the Graduate and Professional Studies catalog for graduate course listings, or consult the department for additional information.

Courses: Art Education (ARED)

3305: Art in Elementary Schools Cr. 3. (3-9). Provides elementary classroom teachers with the basic concepts of current art education theory and practice. Emphasis is placed on the creation of interdisciplinary curricula and the integration of art-making, art criticism, aesthetics, and art history in successful ways for elementary school students.

4345: Art in the Elementary and Secondary Schools Cr. 3. (3-9). Prerequisite: admission to professional development sequence. Field-based course that introduces curriculum planning and organization, instructional methods, and management strategies for teaching art in the elementary and secondary schools.

4365: Integrative Art Teaching Cr. 3. (3-3). Methods of integrating art criticism, art history, aesthetics, studio art, museum practices, and contemporary issues into K-12 art curricula.

Courses: Curriculum and Instruction (CUN)

3111; 3112; 3113: Information Technology for Young Children Cr. 3. (3-9). Prerequisites: junior standing, 2.50 GPA in English, and 2.50 GPA overall. Field-based course on information technologies appropriate for young children.

3302: Community-Based Education Cr. 3. (3-9). Prerequisite: admission to Teacher Education. Field-based course. Introduces curricula and instructional methods of utilizing cultural and scientific community resources.

3310: Foundations of Bilingual Education Cr. 3. (3-0). Prerequisite: six semester hours of advanced Spanish or equivalent. Rationale and history of bilingual programs for limited or non-Spanish speaking students. Taught in Spanish.

3311: Methods and Techniques in Bilingual Education Cr. 3. (3-9). Prerequisite: CUN 3310. Field-based course that focuses on methods in teaching content areas in Spanish. Taught in Spanish.

3313: Information Technology for Adolescents Cr. 3. (3-9). Prerequisites: junior standing, 2.50 GPA in English, and 2.50 GPA overall. Field-based course on information technologies appropriate for adolescents.

3315: Introduction to Early Childhood Education Cr. 3. (3-0). Prerequisite: sophomore standing. Introduction, overview, and analysis of basic principles and theories of learning by young children in group settings.

3316: Prekindergarten Curriculum Cr. 3. (3-0). Prerequisite: CUN 3315. Foundations of prekindergarten.

3317: Kindergarten and Elementary School Programs Cr. 3. (3-9). Prerequisite: CUN 3315. Foundations of kindergarten and elementary school.

3318: Phonics in the Reading Process Cr. 3. (3-0). Factors associated with the development of reading with special emphasis on phonics and phonemic awareness.

3345: Language and Reading Programs Cr. 3. (3-0). Prerequisite: ELED 3320. Strategies for teaching reading, using literature for children and adolescents, and emphasizing the principles of individualized reading.

3346: Teaching the Writing Process Cr. 3. (3-3). Methods and techniques for teaching the writing process in grades K-12.

3347: Reading in the Content Area Cr. 3. (3-9). Prerequisite: junior standing. Methods and materials for teaching developmental reading in specific content areas. Includes assessment and treatment of reading difficulties, including dyslexia and other literacy disorders, in grades 7-12.

4198:4298:4398: Special Problems Cr. 1-3 per semester or more by concurrent enrollment. Prerequisite: approval of chair.

4303: Second Language Acquisition Cr. 3. (3-0). Principles of second language acquisition and learning.

4304: Language Arts/Reading Methods in Spanish Cr. 3. (3-0). Prerequisite: CUN 3311. Methods and materials for teaching language arts and reading in Spanish. Taught in Spanish.

4305: Teaching Environmental Education Cr. 3. (3-3). Curricula, methods, and materials for K-12 environmental education.

4315: Assessment of Young Children Cr. 3. (3-0). Prerequisites: CUN 3316 or 3317 and PSYC 3360. Principles and procedures for evaluating young children.

4318: Organizing an Environment for Young Children Cr. 3. (3-9). Prerequisite: PSYC 3360. A study of how group settings affect and are affected by the behavior of young children.

4332: Corrective and Remedial Reading Cr. 3. (3-0). Prerequisite: CUN 3347. Methods and materials for teaching principles of assessment, identification, and treatment of reading difficulties, including dyslexia, in school settings.

4375: Classroom Management Cr. 3. (3-0). Introduction to effective classroom management with emphasis on behavior modification, socioemotional climate, and group process strategies.

4393: Internship and Practicum in Reading Cr. 3. (1-4). Prerequisites: credit for CUN 4332 and six semester hours of appropriate courses in reading. A field practicum in reading, emphasizing work with children in a developmental and/or remedial setting under the supervision of field and campus faculty.

4397: Selected Topics in Curriculum and Instruction Cr. 3 per semester. (3-0). Prerequisite: approval of chair. May be repeated for credit when topics vary.

Courses: Elementary Education (ELED)

3320: Survey of Children’s Literature Cr. 3. (3-0). Prerequisite: sophomore standing. Reading and evaluation of books, guidance of reading interests, and teaching literature in the elementary school.

3322: Reading Instruction for Young Children, Ages 3-8 Cr. 3. (3-0). Prerequisite: CUN 3318. Methods and materials for prereading and beginning reading instruction.

4307: Methods of Teaching Art in the Elementary School Cr. 3. (3-9). Prerequisite: admission to professional development sequence. Field-based course that introduces the curriculum planning and organization, instructional methods, and management strategies for teaching art in the elementary school.

4308: Methods of Teaching Physical Education in the Elementary School Cr. 3. (3-9). Prerequisite: admission to professional development sequence, for majors in kinesiology. Field-based course that introduces the instructional methods and management strategies for teaching physical education in the elementary school.

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4310: Reading in the Secondary School Cr. 3. (3-9). Prerequisites: six semester hours of sophomore level English and admission to professional development sequence. Field-based course that introduces the techniques and materials for teaching reading and language arts in the elementary school.

4312: Science in the Elementary School Cr. 3. (3-9). Prerequisites: six hours of laboratory science courses and admission to professional development sequence. Field-based course that introduces the curriculum, concepts, methods, and materials for teaching science in the elementary school.

4315: Mathematics in the Elementary School Cr. 3. (3-9). Prerequisites: MATH 2303 and admission to professional development sequence. Field-based course that introduces the curriculum, methods, and materials for teaching mathematics in the elementary school.

4320: Social Studies in the Elementary School Cr. 3. (3-0). Prerequisites: admission to professional development sequence. Field-based course that introduces the contemporary structure of social studies programs; social science backgrounds; inquiry processes; cognitive, affective; teaching strategies.

4397: Selected Topics in Elementary Education Cr. 3. (3-0). Prerequisite: approval of chair. May be repeated for credit when topics vary.

Courses: Secondary Education (Sede)

4305: Teaching Methods in the Secondary Schools: First Teaching Field Cr. 3. (3-9). Prerequisite: admission to professional development sequence. Field-based course that introduces the methods and techniques of teaching specific areas in secondary schools.

4306: Teaching Methods in the Secondary Schools: Second Teaching Field Cr. 3. (3-9). Prerequisite: admission to professional development sequence. Field-based course that introduces the methods and techniques of teaching specific areas in secondary schools.

4307: Methods of Teaching Art in the Secondary School Cr. 3. (3-3). Prerequisite: admission to professional development sequence. Field-based course that introduces the curriculum, organization, instructional methods, and management strategies for teaching art in the secondary school.

4308: Methods of Teaching Health and Physical Education in the Secondary School Cr. 3. (3-9). Prerequisite: admission to professional development sequence. Field-based course that introduces the instructional methods and management strategies for teaching physical education in the secondary schools.

4309: Teaching Science in the Secondary School Cr. 3. (3-9). Prerequisite: admission to professional development sequence. Field-based course. Methods and techniques specific to teaching science in the secondary school.

4310: Teaching Mathematics in the Secondary School Cr. 3. (3-9). Prerequisite: admission to professional development sequence. Field-based course. Methods and techniques specific to teaching mathematics in the secondary school.

4311: Teaching Social Studies in the Secondary School Cr. 3. (3-9). Prerequisite: admission to professional development sequence. Field-based course. Methods and techniques specific to teaching social studies in the secondary school.

4312: Teaching English in the Secondary School Cr. 3. (3-9). Prerequisite: admission to professional development sequence. Field-based course. Methods and techniques specific to teaching English in the secondary school.

Department of Educational Leadership and Cultural Studies

The Department of Educational Leadership and Cultural Studies offers undergraduate courses under one heading: cultural and urban studies (CUST). This department offers primarily graduate courses and programs. See the Graduate and Professional Studies catalog for a list of the graduate courses or consult the department for additional information.

Courses: Cultural and Urban Studies (CUST)

2300: Introduction to Asian American Studies Cr. 3. (3-0). Overview of the histories, cultures, communities, and experiences of Asian Americans in the United States.

3310: Asian American Communities in Popular Culture Cr. 3. (3-0). Prerequisite: CUST 2300 or ANTH 2302 or consent of instructor. An interdisciplinary approach analyzing the social and political implications in the representation of Asian American through film, newspapers, and other media. Emphasis on concrete applications of theoretical models from the social and human services.

3315: Asian American Experiences of Migration and Transnationalism Cr. 3. (3-0). Prerequisite: CUST 2300 or ANTH 2302 or consent of instructor. Various aspects of migration, including adaptation, community formation, activism, and transitional links. Emphasis on the strategies and interactions in the shaping of U.S. society.

3320: Multicultural Environments in Urban Setting Cr. 3. (3-9). Field-based experiences with children in multicultural schools and communities. Community involvement project required.

4300: Asian American Cultures Cr. 3. (3-0). Synthesis of major themes relating to the nature, formation, and development of Asian American cultures within the U.S.

4320: Asian American Literature and Identity Issues Cr. 3. (3-0). Prerequisite: CUST 2300. Role of gender, race, ethnicity, sexuality, and other issues. Asian American identity as portrayed through influential literary works. Emphasis on cultural and literary theory and applications, and on the generativity of cultural expressions.

Department of Educational Psychology

Chair: Jacqueline Hawkins


Associate Professors Mary W. Armsworth, Ronald G. Frankiewicz, Jacqueline Hawkins, Dov (David B.) Liberman, Stewart Pisecco, Christopher A. Wolters, Shirley Yu

Assistant Professors Helen Gore-Laird (Visiting), Julie Landis, Elizabeth A. Maynard (Visiting), Romilia Ramirez

The Department of Educational Psychology offers an undergraduate program in Human Development and Family Studies and coursework leading to certification in Special Education. Students in the Human Development and Family Studies Program may obtain certification in Early Childhood through fourth grade and American Humanities. Students have the opportunity to train and conduct research at the Human Development Laboratory School. Coursework trains students both to understand the conceptual base of theories, applied research, and methods of psychology and to apply those fields of study to the processes of education and human development in the Human...
Development Laboratory School and in local school districts in the Houston area. The department emphasizes a prevention, intervention, and consultation approach that encourages prospective educators to develop skills that respond to the unique assessment, academic, and social needs of individuals in a variety of settings.

**Human Development and Family Studies**
The Human Development and Family Studies major focuses on developmental studies of individuals, small groups, and families. The program prepares students to deliver human services to individuals and groups across the life span and in a variety of settings.

The Human Development and Family Studies major not only qualifies students for social services, teaching, and management, but also serves as a basis for graduate research and training. The Human Development and Family Studies program reaches out extensively into the community via its partnerships with more than 80 agencies and organizations. Students interested in nonprofit administration may earn an American Humanics Certification from the School of Social Work.

For students interested in teaching, the Human Development Laboratory is an early childhood education facility with a strong national and international reputation. The Human Development Laboratory School is a model of constructivist education based on the tenets of Jean Piaget's Cognitive Development Theory. The Lab School is a training facility for constructivist teachers, early childhood specialists, and other majors in Human Development and Family Studies. Faculty and students from a variety of disciplines conduct research at the Lab School.

Graduates will:

- Demonstrate the ability to improve the quality of life for themselves and others through the delivery of Human Services throughout the life span, including teaching, administration of programs, advocacy activities, and others;
- Articulate and apply a cohesive theory of Human Development that is relevant to the culture and Human Services field;
- Demonstrate sound professional practice and leadership through employment in the “helping professions” including early childhood education and social services for children, adolescents, families, and the elderly.

**Special Education Certification**
The Department of Educational Psychology offers undergraduate courses that lead to certification in Special Education All-Level and Special Education Supplemental. All-level certification prepares prospective educators to provide services to students with disabilities in a variety of settings from ages 3 to 22 years. Special Education Supplemental certification can be added to EC-4, 4-8, and 8-12 certificates and affords prospective educators the flexibility to provide services to students in regular education settings and/or to provide services to students with disabilities in a variety of settings. Coursework for these certificates targets the legal mandates and decisions that pertain to special education, exceptionalities, classroom-based assessment, effective instructional and social interventions for students with disabilities, instructional technology, and student/program evaluation. Specific information about each certificate can be obtained from the Department of Educational Psychology and by accessing the department’s website at [www.coe.uh.edu/Departments/epsy.cfm](http://www.coe.uh.edu/Departments/epsy.cfm).

**Certification for Elementary Teachers (Early Childhood–Grade Four)**
The Human Development and Family Studies area also offers a program option that leads to certification for Early Childhood Education (early childhood through grade four). This certification from the State Board for Educator Certification and the National Council for the Accreditation of Teacher Education qualifies students to teach in the public schools as well as in preschool and day care settings. Additionally, it provides a basis for graduate training and research. Elementary certification in human development and family studies can be attained by selecting a minor in education in conjunction with the degree in Human Development and Family Studies.

**Courses: Educational Psychology (Epsy)**

2360: Atypical Child Development and Learning Cr. 3. (3-9). Field-based course for the investigation of atypical characteristics of developmentally disabled populations. Emphasis on the unique characteristics of this group with respect to language, learning, and physical development.  
3300: [TECA 1311] Education Psychology Cr. 3. (3-0). Prerequisite: PSYC 1300 or consent of instructor. Educational psychology emphasizing human development and learning, motivation, instructional applications, individual differences, tests and measurement.  
3361: Behavior Management Theories in Special Education Cr. 3. (3-0). Prerequisite: admission to professional development sequence. Introduction to affective theories and principles of behavior management.  
4197:4297:4397: Selected Topics in Educational Psychology Cr. 1-3 per semester. (1-0/2-0/3-0). Prerequisite: consent of instructor. Selected topics in educational psychology. May be repeated for credit when topics vary.  
4198:4298:4398: Special Problems Cr. 1-3 per semester. (1-0/2-0/3-0). Prerequisite: consent of instructor. Special problems in special education.  
4362: Behavior Modification in Special Education Cr. 3. (3-0). Prerequisite: Epsy 3360. Theory and principles of behavioral analysis and behavior modification in special education settings.  
4363: Individualized Educational Programming Cr. 3. (3-0). Prerequisite: Epsy 3360. Development and application of individualized curriculum and material for the special learner related to the Individualized Education Program process.  
4365: Principles of Diagnostic Teaching in Special Education Cr. 3. (3-0). Prerequisite: Epsy 3360. Principles and application of diagnostic teaching techniques.  
4367: Consultation Strategies for Special Education Cr. 3. (3-0). Prerequisite: Epsy 3360. Consultation theories and strategies for use with students, parents, teachers, administrators and constituents of the special education setting.
Courses: Human Development and Family Studies (Hrs)

1300: Development of Contemporary Families Cr. 3. (3-0). Prerequisite: concurrent enrollment in or completion of EDCI 1303. A multi-disciplinary integration of historical, psychological, developmental, and anthropological approaches paired with systems theory that aid in the study and understanding of diversity in family forms and in the influences that shape a family’s values, beliefs, and behaviors.

2317: Introduction to Human Development and Intervention Cr. 3. (3-0). Multidisciplinary integration of biological, psychological, and cultural approaches to the study of life-span human development; introduction to the development-in-context approach to understanding human development; focus on applied problems related to delivery of human services.

3317: Prenatal and Infant Development Cr. 3. (3-0). Prerequisite: Hrs 2317 or consent of instructor. Multidisciplinary integration of biomedical, psychosocial, and cultural perspectives on prenatal and infancy period; implications of early determinants in relation to later development.

3318: Human Ecology and Adult Development Cr. 3. (3-0). Prerequisite: Hrs 2317 or consent of instructor. Multidisciplinary integration of biological, psychological, and cultural perspectives on adult development and aging; emphasis on development-in-context approach to understanding adulthood; focus on applied problems related to adult development.

3350: Child Development Practicum Cr. 3. (2-3). Prerequisite: Hrs 2317. Observation of infants and young children to assess motor, psychosocial, and cognitive development in institutional settings including day care, preschool, and kindergarten.

4198/4398: Special Problems in Human Development Studies and Family Cr. 1 or 3 per semester. Prerequisite: consent of instructor.

4315: Analysis of Community Resources and Human Services Cr. 3. (3-0). Prerequisites: Hrs 3300 and 4300, Hrs 2317, and six additional hours in the human development and family studies area. Analysis of community resources of various agencies which deliver human services in the urban metropolis. Strategies for success in the work place. Required for internship for all family studies majors except those minoring in education.

4316: The Development of Social Relations in the Family Cr. 3. (3-0). Prerequisite: Hrs 2317 or consent of instructor. Multidisciplinary research related to the development of social relations and patterns of interaction in the context of the family and in alternative care-giving settings.

4317: Theory and Practice in Programs for Young Children I Cr. 3. (3-1). Prerequisites: Hrs 2317 and 3350 or consent of instructor. Child development research and theory for early education. Evaluating developmental progress in physical-knowledge activities, pretend play, art, music, reading, and writing.

4318: Human Ecology of Parenting Cr. 3. (3-0). Prerequisite: Hrs 2317 or consent of instructor. Multidisciplinary overview of parents in contemporary society, emphasis on development-in-context approach to the study of parenting; review of research on parenting; focus on strategies for intervention in a variety of settings.

4319: Theory and Practice in Programs for Young Children II Cr. 3. (3-1). Prerequisites: Hrs 2317, 3350, and credit for or concurrent enrollment in Hrs 4317 or consent of instructor. Child development research and theory for early education. Intervention strategies and evaluation of developmental progress in number activities, pretend play, art, music, reading, and writing.

4320: Evaluating Educational Programs for Young Children Cr. 3. (3-0). Prerequisite: Hrs 4317. Comparative analysis of educational programs for young children; underlying assumptions about child development; and theoretical and practical issues.

4393: Internship in Human Development and Family Studies Cr. 3. (3-0). Prerequisites: Hrs major and senior standing. Concurrent enrollment in Hrs 4394 required. Theoretical approaches to the study of the individual and the family through a supervised practicum in the student’s area of emphasis.

4394: Internship in Human Development and Family Studies Cr. 3. (3-0). Prerequisites: Hrs major and senior standing. Concurrent enrollment in Hrs 4393 required. Application of theoretical approaches to the study of the individual and the family through a supervised practicum in the student’s area of emphasis.

4397: Selected Topics in Human Development and Family Studies Cr. 3. (3-0). Prerequisites: junior standing in Hrs and permission of the instructor. May be repeated for a maximum of six semester hours of credit.

Department of Health and Human Performance

Chair: Charles S. “Chuck” Layne

Professors Phyllis L. Gingiss, Andrew S. Jackson, Charles S. Layne, Dale G. Pease, Dennis W. Smith

Associate Professors Joel A. Bloom, Mark Clarke, Daniel Martinez, Kimberlee Michals Matalon, Demetrius Pearson, Jenny K. Yi

Assistant Professors Sharon Bode (Clinical), Whitney Boling, Jill Bush, Faith Foreman (Clinical), Rebecca Lee, Brian McFarlin, Norma Olvera, Andrew Rorschach (Clinical), Brian Sekula, Warren Whisenant

Physical Education Fees

Students registering for physical education courses in which one semester hour credit is received must pay $20 each semester.

Students will be provided with a clean towel and clean gym uniform (except shoes) for each class and for any other time when they participate in physical education activities while attending the university.

Degree Programs

The Department of Health and Human Performance offers a B.S. degree in Kinesiology (Movement and Sports Studies Track I) with all-level certification. The department also offers B.S. degrees in Health, Kinesiology (Exercise Science and Sports Administration), and Human Nutrition and Foods (American Dietetic Association certified) without teacher certification.

Degrees with Certification

Bachelor of Science in Kinesiology—Movement and Sports Studies Track I

All-level program leading to certification and the Bachelor of Science degree. Students must meet the requirements outlined below in addition to the baseline requirements for a B.S.

<table>
<thead>
<tr>
<th>Core Curriculum Requirements</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1303, 1304</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics (MATH 1310)</td>
<td>3</td>
</tr>
<tr>
<td>Math/Reasoning (MATH 1313)</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science</td>
<td>6</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1377 and 1378</td>
<td>6</td>
</tr>
<tr>
<td>POLS 1336 and 1337</td>
<td>6</td>
</tr>
<tr>
<td>Visual/Performing Arts</td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences (three hours must be writing intensive)</td>
<td>6</td>
</tr>
</tbody>
</table>
Kinesiology

HLT 1353, 3303, 3304, and PEB 1101 10
KIN 1103, 1104, 1109, 1252, 2100, 2105, and 3206 9
KIN 2108, 3300, 3301, 3304, 3305, 3306, 3309 3325, 4197, 4200, 4310, 4315, and 4390 34

Prerequisite Courses
CUIN 3347, 3313 (or equivalent), COMM 1332 (or equivalent)

Professional Development Sequence**
EPSY 3300 and EDUC 3301 6
SEDE 4308 and ELED 4308 6
EDUC 4320 and EDUC 4321 6

**See Admission to Professional Development Sequence for admission procedures.

Students must meet the general degree requirements for the Bachelor of Science degree, including the formal science requirement.

Degree without Certification Specializations

Bachelor of Science in Health (Health Promotion Emphasis)

Core Requirements Hours
ENG 1303 and 1304 6
MATH 1310 and 1313 6
Natural Sciences 6
Social Sciences (3 hours must be writing intensive) 6
Humanities 3
Performing/Visual Arts 3
HIST 1377, 1378 6
POLS 1336, 1337 6

Major Requirements
PEB 1101 and 1 additional hour of physical education 2
HLT 1353, 2320, 3303, 3381, 4310, 4392, COMM 1332, 144, and Computer Science (3 hrs.) 24
Select 21 semester hours from HLT 2310, 3303, 3304, 3306, 4302, 4306, 4307, 4308, 4393, COMM 2310 21
Approved Minor 15–18
Electives (15 advanced semester hours) 15

Students must meet the general degree requirements for the Bachelor of Science degree, including the formal science requirement.

Health Promotion Emphasis for Allied Health Professionals
Students who are Texas Medical Center Employees with significant experience or two-year Associate degrees in Allied Health (e.g., dental hygiene, respiratory therapy) may seek Bachelor’s degrees in Health. Please see department advisor for more information.

Bachelor of Science in Kinesiology: Exercise Science or Sports Administration

Requirements Hours
BIOL 1161, 1161, 1162, and 1362 8
ENG 1303 and 1304 6
MATH 1310 3
MATH 2311 or PSYC 3301 3
Math Reasoning 6
CHEM 1331, 1111, 1332, and 1112 8
PSYC 1300 or SOC 1300 3
Social Sciences (writing intensive) 3
Humanities 3
Performing/Visual Arts 3
HIST 1377 and 1378 6
POLS 1336 and 1337 6

Kinesiology Core
KIN 1252, 2108, 3300, 3305, 3306, 3309, 4310, and 4315 21

Specialization in Exercise Science
BIOL 1334, 1134, and 1144 8
CHEM 1331, 1111, 1332, and 1112 8
HIST 3381 3
KIN 3350, 4370, and 4197 7
KIN 4345 or 4350 or 4355 3
KIN 2100 or 2105 1
NUTR 2332 and 4339 6
PEB 1101 1
PHYS 1301, 1101, 1302, and 1102 8
Electives: 12-18 hours (9 advanced) 12

Specialization in Sports Administration
KIN 3360, 4345, 4350, 4355, 4360, 4365, 4390, and 4391 (or Elective) 24
PEB 1100, 1136, or 1138 1
PEB 1101 and 1 additional hour of PEB 2
Approved Minor (9 advanced) 15
Approved Electives (9 advanced) 16

Students must meet the general degree requirements for the Bachelor of Science degree, including the formal science requirement.

Bachelor of Science in Human Nutrition and Foods (HNFDS)
The Human Nutrition and Foods major offers an interdisciplinary approach to nutrition and foods in relationship to socioeconomic factors, management skills, and health care services. The program allows students to fulfill career plans in commercial, educational, community, or research settings. The University of Houston is granted approval by the Commission on Accreditation/Approval for Dietetics Education of the American Dietetic Association, 216 W. Jackson Blvd., Chicago, IL 60606, 312-899-4876. Upon completion of this degree, also called the Didactic Program in Dietetics, students are eligible to apply for entry into a supervised practice program which will prepare them to take the Registration Examination for dietitians. Graduates will:

• Work as part of a health care team in hospitals, physicians’ offices, and clinics as well as consultants to food providers such as restaurants, corporations, or other food industries;
• Meet requirements for graduate professional schools such as medicine, physical and occupational therapy, dentistry, nursing, veterinary medicine, and public health;
• Meet requirements to apply for entry into dietetic internships as preparation to become a registered dietitian.

Core Requirements Hours
ENG 1303 and 1304 6
MATH 1310 3
MATH 2311 OR PSYC 3301 3
Math Reasoning 6
CHEM 1331, 1111, 1332, and 1112 8
PSYC 1300 or SOC 1300 3
Social Sciences (writing intensive) 3
Humanities 3
Performing/Visual Arts 3
HIST 1377 and 1378 6
POLS 1336 and 1337 6

Education 137
The Department of Health and Human Performance offers courses under four headings: health (HLT), physical education basic instruction program (Peb), kinesiology (Kin), and nutrition (Nutr). See the Graduate and Professional Studies catalog for a list of graduate courses or consult the department for additional information.

### Courses: Health (Hlt)

<table>
<thead>
<tr>
<th>Course</th>
<th>Cr.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1353: Personal Health</td>
<td>3</td>
<td>Scientific facts and principles applied to healthful living and prevention of disease.</td>
</tr>
<tr>
<td>2310: Emergency Care and First Aid</td>
<td>3</td>
<td>Emergency care program of the school; Red Cross Certification.</td>
</tr>
<tr>
<td>2320: Foundations of Health</td>
<td>3</td>
<td>Prerequisites: Biol 1310 and 1320 or consent of instructor and HLT 1353. Introduction to concepts of health and health education; overview of critical issues in the field of health promotion; contributions of health care professionals in a variety of settings.</td>
</tr>
<tr>
<td>3301: Individual Behavior With Health Consequences</td>
<td>3</td>
<td>Prerequisites: PSYC 1300 and HLT 2320, or consent of instructor. Health consequences of personal behavior. Emphasizes factors in changing behavior and the role of the health care delivery system in affecting individual behavior.</td>
</tr>
<tr>
<td>3303: Health of the Elementary Child</td>
<td>3</td>
<td>Field-based course that focuses on health status, needs, and interests of elementary age children with implications for health education.</td>
</tr>
<tr>
<td>3304: Adolescent Health Issues</td>
<td>3</td>
<td>Prerequisite: HLT 2320. Health status, needs, and risks associated with adolescence with implications for health education.</td>
</tr>
<tr>
<td>3306: Environmental Health</td>
<td>3</td>
<td>Prerequisite: HLT 1353. Community health problems; investigation of mobilization of the public and official voluntary health agencies to minimize such problems.</td>
</tr>
<tr>
<td>3381: Health Promotion and Disease Prevention</td>
<td>3</td>
<td>Prerequisite: six semester hours of biology or consent of instructor. An overview of theories and strategies in health education for prevention and control of common diseases and promoting health.</td>
</tr>
<tr>
<td>4198:4398: Special Problems</td>
<td>1-3</td>
<td>May be repeated for credit when topics vary. The teaching of beginning and advanced swimming techniques.</td>
</tr>
<tr>
<td>4302: Health Aspects of Human Sexuality</td>
<td>3</td>
<td>Prerequisite: HLT 1353, PSYC 1300, 3360 or 3361 or consent of instructor. Physical, mental, and social health issues associated with sexual practices. Examination of school, family, and community roles in addressing these issues.</td>
</tr>
<tr>
<td>4306: Women's Health Issues</td>
<td>3</td>
<td>Examination of factors influencing women's health. Emphasis is on the biological, social-cultural, and behavioral factors prompting need for special attention to the health of women.</td>
</tr>
<tr>
<td>4307: Measurement Techniques in Health</td>
<td>3</td>
<td>Prerequisites: junior standing and six semester hours of health education. Quantitative methods in the construction and utilization of instruments used by health educators.</td>
</tr>
</tbody>
</table>

### Courses: Physical Education Basic Instruction Program (Peb)

<table>
<thead>
<tr>
<th>Course</th>
<th>Cr.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1101: Role of Exercise and Fitness on Health</td>
<td>1</td>
<td>Analysis of physical fitness and cardiovascular disease risk and the development of an individualized exercise program for health promotion.</td>
</tr>
<tr>
<td>1102: Indoor Cycling</td>
<td>1</td>
<td>Proper techniques of cycling to maintain or improve cardiovascular and neuromuscular health through instructor guided activities and assignments.</td>
</tr>
<tr>
<td>1103: Tai Chi Cr. 1. (0-3) Instruction of nonaggressive martial art forms intended to enhance mental focus, muscular endurance, and strength in the lower extremities.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1106: Mano Yoga Cr. 1. (0-3)</td>
<td>1</td>
<td>Introduction to the philosophy and practice of Mano Yoga meditation and the significance of breathing and visualization.</td>
</tr>
<tr>
<td>1107: Hatha Yoga Cr. 1. (0-3)</td>
<td>1</td>
<td>Hands-on instruction of yoga postures, movements, breathing exercises, and relaxation techniques with an introduction to its supporting philosophies.</td>
</tr>
<tr>
<td>1108: Ultimate Frisbee Cr. 1. (0-3)</td>
<td>1</td>
<td>Combination of the best features of soccer, basketball, and American football in one non-contact team sport. Rules and strategies of the game, participants may improve their overall fitness levels.</td>
</tr>
<tr>
<td>1109: Urban Movement Experience Cr. 1. (0-3)</td>
<td>1</td>
<td>Contemporary movement activities and theories under guided instruction.</td>
</tr>
<tr>
<td>1117 through 1121: Selected Aquatics</td>
<td>1</td>
<td>May be repeated for credit when topics vary. The teaching of beginning and advanced swimming techniques.</td>
</tr>
<tr>
<td>1118: Life Saving</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1119: Scuba</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1125 through 1143: Selected Lifetime Sports for the College Student</td>
<td>1</td>
<td>May be repeated for credit when topics vary. The concepts and skills involved in a variety of recreational and individual sports.</td>
</tr>
<tr>
<td>1125: Beginning Badminton</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1130: Golf</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1133: Gymnastics</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1135: Beginning Karate</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1144 through 1149: Selected Team Sports</td>
<td>1</td>
<td>May be repeated for credit when topics vary. The teaching of skills and concepts of various team sports.</td>
</tr>
<tr>
<td>1144: Basketball</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1146: Soccer</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1151 through 1154: Selected Exercise Activities</td>
<td>1</td>
<td>May be repeated for credit when topics vary. Understanding and development of fitness through a variety of exercise activities.</td>
</tr>
<tr>
<td>1151: Weight Training</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1153: Conditioning</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1251: Exercise for Health and Fitness</td>
<td>2</td>
<td>Analysis of the relationship between exercise and health; development of an acceptable level of physical fitness including these components: cardiorespiratory endurance, body composition, and musculoskeletal function. Concurrent lab enrollment required.</td>
</tr>
<tr>
<td>2197: Selected Topics in Lifetime Sports</td>
<td>1</td>
<td>Prerequisite: approval of chair. May be repeated for credit when topics vary.</td>
</tr>
</tbody>
</table>
Courses: Kinesiology (KIN)

1103: Tumbling and Beginning Gymnastics Cr. 1. (0-3). Introduction to basic tumbling and gymnastics skills for children.

1104: Movement Activities for Children Cr. 1. (0-3). Basic movement and activity skills for children.

1109: Folk and Western Dance Cr. 1. (0-3). Basic folk and western dance skills for youth.

1252: Foundations of Kinesiological Studies Cr. 2. (2-0). Historical and contemporary examination of the events, cultures, and individuals which helped shape the discipline.

1304: Public Health Issues in Physical Activity and Obesity Cr. 3. (2-1). Analysis of the effect of obesity and physical activity on disease risk and the effect of aerobic exercise on weight control and health promotion.

2100: Individual, Dual, Lifetime Activities Cr. 1. (0-3). Principles, techniques and strategies for individual, dual, and lifetime sport skills.

2105: Team Sports Cr. 1. (0-3). Principles, techniques, and strategies for participation in team sports.

2106: Intermediate Swimming Cr. 1. (0-3). Skills required for Red Cross Certification.

2108: Weight Training and Aerobic Fitness Cr. 1. (0-3). Techniques and practices in strength development and endurance training procedures.

3206: Principles of Coaching Cr. 2. (2-0). Prerequisite: six semester hours in social sciences or consent of instructor. Institutional role of the coach in secondary school.

3300: Motor Development Cr. 3. (3-0). Scope and philosophy of movement activities from a developmental lifespan perspective.

3301: Design and Evaluation of Physical Activity Programs Cr. 3. (3-0). Design and evaluation of physical education and activity programs.

3304: Human Structure and Physical Performance Cr. 3. (3-0). Prerequisite: six semester hours of biology. Foundation study of anatomy and its application to human performance.

3305: Social and Cultural Aspects of Kinesiology and Sport Cr. 3. (3-0). Prerequisites: PSYC 1300, SOC 2300, and KIN 1252. Social and cultural issues relevant to health and human performance in exercise and sport environments.

3306: Physiology of Human Performance Cr. 3. (3-0). Prerequisite: six hours of biology. The changes in physiological functions resulting from physical activity.

3309: Biomechanics Cr. 3. (3-0). Prerequisites: KIN 3304 and six hours of biology. Anatomical and mechanical principles in movement skills.

3325: Sports Therapy and Athletic Training Cr. 3. (3-0). Prerequisite: KIN 3309. Introduction to athletic training, conditioning procedures, manual modalities, and taping techniques.

3350: Psychological Aspects of Sport and Exercise Cr. 3. (3-0). Prerequisite: PSYC 1300. Introduce and apply the basic theories and principles of sport and exercise psychology.

3360: Professional Preparation for Sport Administration Cr. 3. (3-0). Prerequisites: KIN 1252 and 3305. Development of skills and strategies for sports administration.

4197:4397: Selected Topics in Health and Physical Education Cr. 1 or 3 per semester. (1-0-3). Prerequisite: approval of chair. May be repeated for credit when topics vary.

4198:4398: Special Problems Cr. 1-3 per semester. Prerequisite: approval of chair.

4200: Movement Studies for Special Populations Cr. 2. (2-0). Prerequisite: KIN 3309 or consent of instructor. Analysis of physical activities for individuals with special needs.

4310: Measurement Techniques in Human Performance Cr. 3. (3-0). Prerequisite: twelve semester hours of advanced KIN. Quantitative methods in the construction and utilization of instruments used in health and human performance.

4315: Motor Learning and Control Cr. 3. (3-0). Prerequisites: KIN 3306 and 3309. Biomechanical neurophysiological and psychological elements of the motor learning and control processes.

4325: Advanced Athletic Training Prerequisites: KIN 3309 and 3325. Assessment of athletic injuries, use of modalities, and rehabilitation applications.

4345: Sports, Health, and Fitness Program Financing Cr. 3. (3-0). Prerequisite: KIN 3360 or consent of instructor. Funding strategies, techniques, budget development, and facility financing in sports, health, and fitness programs.

4350: Sport Marketing Cr. 3. (3-0). Prerequisites: KIN 3305 and MKET 3336. Application of marketing theory to the sports industry and the use of sport in promotion.

4355: Organization and Administration of Athletics Cr. 3. (3-0). Prerequisite: nine hours of KIN core. Practices in organization, administration, and supervision of physical education and athletic programs.

4360: Sport Facility Management Cr. 3. (3-0). Prerequisite: nine hours KIN core. Managing sports-related facilities.

4365: Regulatory and Ethical Aspects of Sport Cr. 3. (3-0). Prerequisite: KIN 3305. Legal and moral considerations in sport and sport administration.

4370: Exercise Testing Cr. 3. (3-0). Prerequisites: KIN 3306 and 4310. Laboratory and field testing procedures for use in exercise assessment and prescription.

4390:4391: Internship in Physical Education Cr. 3 per course. (3-0). Prerequisites: junior standing, consent of instructor and department chair. Concurrent enrollment required. Intern placement in exercise and sport programs consistent with program focus.

Courses: Nutrition (NUTR)

2133: Food Science Lab I Cr.1. (0-3). Prerequisite: credit for or concurrent enrollment in NUTR 2333. Laboratory aspects of the general principles of food and food preparation.

2332: Introduction to Human Nutrition (formerly HHC 2332) Cr. 3. (3-0). Prerequisites: MATH 1310 or TMT 1335 and either BIOL 1310, 1361, CHEM 1301 or 1331. Principles of human nutrition, with emphasis on the nutrient composition of foods, nutrient absorption, and metabolic and physiological processes. Evaluate nutrition claims.

2333: Food Science I (formerly NUTR 2233) Cr. 3. (3-0). Prerequisites: credit for or concurrent enrollment in NUTR 2133 and 2332. Introduction to general principles of food, preparation and their relationship to chemistry and microbiology.

3101: Dietetics as a Profession Cr. 1. (1-0). Prerequisites: NUTR 2332 and major in nutrition. Overview of dietetics profession, including the development of a professional portfolio, career options in dietetics, and application to post-baccalaureate programs.

3320: Seminar in Nutrition Research (formerly NUTR 4337) Cr. 3. (3-0). Prerequisite: NUTR 2332. Analysis of research methods in the field of nutrition.


3335: Commercial Food Production (formerly HHC 3335) Cr. 3. (2-1). Prerequisites: NUTR 2133 and 2333. Analysis of food service systems with laboratory experiences in quantity food processing and merchandising.


4135: Food Science Lab II Cr. 1. (0-3). Prerequisites: credit for NUTR 2133 and 2333. Credit for or concurrent enrollment in NUTR 4235. Laboratory aspects of food, chemistry, and microbiology.

4235: Food Science II (formerly HHC 4335) Cr. 2. (2-0). Prerequisites: NUTR 2133 and 2333 and credit for or concurrent enrollment in NUTR 4135. Continuation from NUTR 2333 with greater exploration of the relationship between food, chemistry, and microbiology.
4312: Nutrition Assessment and Planning (formerly NUTR 3333) Cr. 3. (3-0). Prerequisites: NUTR 2332, BIOL 1334, 1344, CHEM 1331, and 1332. Determination of nutritional status of individuals, including dietary assessment and anthropometric techniques. Emphasis on diet modification, counseling, documentation, and provision of care.

4332: Food Service Systems Management (formerly HDCS 4332) Cr. 3. (3-0). Prerequisite: NUTR 2332. Principles for organizing and managing a variety of food service systems.

4333: Medical Nutrition Therapy–Cardiovascular Cr. 3. (3-0). Prerequisite: NUTR 4312. Medical nutrition therapy in the management of cardiovascular and renal diseases, diabetes, obesity, and digestive disorders.

4334: Community Nutrition (formerly HDCS 4334) Cr. 3. (3-0). Prerequisite: NUTR 2332. Assessment of the nutritional needs of population groups. Application of nutritional epidemiology and overview of nutritional programs and interventions available in the community.

4336: Issues in Women’s Nutrition Cr. 3. (3-0). Prerequisite: NUTR 3340. Women’s nutrition, including life cycle stages and diseases of women.

4338: Pediatric Nutrition Cr. 3. (3-0). Prerequisite: NUTR 3340. Nutritional needs of healthy and diseased infants, children, and adolescents. Problems with nutrition delivery.

4339: Sports Nutrition Cr. 3. (3-0). Prerequisites: NUTR 2332 and BIOL 1361. Exercise physiology and biochemistry. Nutritional strategies to enhance performance, before, during and after competition.

4347: Medical Nutrition Therapy–Metabolic Cr. 3. (3-0). Prerequisite: NUTR 4312. Medical nutrition therapy in the management of liver, gall bladder, respiratory, cancer, and infectious disease states.

4396: Selected Topics in Nutrition (formerly HDCS 4396) Cr. 3. (3-0). Prerequisites: NUTR 2332 and six additional semester hours of other NUTR courses. May be repeated for a maximum of nine hours when topics vary.