The College of Education is committed to the preparation of teachers, counselors, school and higher education administrators, and professionals for a wide variety of educational settings, including social agencies, business, and government. Because of the university’s urban setting, students will have opportunities to work with learners in a wide variety of educational settings.

**Accreditation**

The College of Education is accredited by the State Board for Educator Certification and the National Council for Accreditation of Teacher Education and is a member of the American Association of Colleges for Teacher Education.

**Departments**

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.

*Note:* This catalog section was developed during a period of change for the State Board for Educator Certification. Please check with your department for the most up-to-date and accurate information.

**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 as well as the class schedule published twice a year.

In addition, students are expected to verify their class schedules each semester and to take responsibility 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 transaction 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 schedule.

Minors

Approved minors within the College of Education are:

Asian American Studies
CUST 2300 and 4300
Three hours from ANTH 2302, ECON 2301, PSYC 2380
Nine hours from ANTH 3316, ANTH 3346, ANTH 3363, ARCH 3358, CHNS 2301, CHNS 2302, COMM 3375, POLS 4322, PSYC 4344, SOC 3325, SOC 3326

Note: This minor requires 18 semester hours total; 12 hours of the 18 in residence; at least 9 hours advanced. No more than 6 semester hours can be taken from one field of study. On occasion, new courses, including selected topics courses, will be added to this list as they are developed. These and other courses may be approved for this minor by petition. These courses or selected topics courses must contain Asian and Asian American issues to be approved for the minor.

Education
EDUC 3205 and 3206 or 3301, EPSY 3300, education methods courses (6 semester hours), and CUN 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
(15 semester hours)
Required Courses:
HDFS 1300, 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.

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.

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 allowed to enter any teacher certification program.

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

Note: Rules and regulations are set forth by the state of Texas and are subject to change at any time. The College of Education reserves the right to make changes to accommodate the State Board for Educator Certification, the Coordinating Board, and university decisions.

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
- 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 Academic Skills Program (TASP). College of Education passing scores on TASP 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**

**IMPORTANT**—The state of Texas made major changes to teacher certification effective September 1, 2002. Instead of Elementary (grades 1–8), Secondary (grades 6–12) and All-Level (grades K–12) certification, there will be grades EC–4, grades 4–8, grades 8–12, grades EC–12, and supplemental certifications. New exams, Texas Examination of Educator Standards (TExES), were administered for the first time in October 2002.

**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: http://www.coe.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
Theatre Arts
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; and 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. (3-0). 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). Prerequisite: 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). Prerequisite: 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). Prerequisite: 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.

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.
Department of Curriculum and Instruction

Chair: Yolanda Padron


Associate Professors Michael Connell, Cheryl I. Craig, Lane Gauthier, Irma N. Guadarrama, Laveria F. Hutchison, Sara G. McNeil, John M. Ramsey, Bernard Robin, Eleanore Tyson (Clinical), Cameron S. White, Susan E. Williams

Assistant Professors Kylene Beers (Clinical), Wren Bump (Clinical), Juanita V. Copley, Lynn E. Cortina (Clinical), Linda Ellis (Visiting), Andrea Foster, Lynn S. Freeman (Clinical), Amelia Hewitt (Clinical), Kathryn L. Jenkins (Clinical), Norene V. Lowery, Rebecca S. Martinez, Sara Wilson McKay, Heidi Mullins (Visiting), Melissa E. Pierson, Liliba Ruban, Emma Schorzman, Rena Shull (Clinical), Ann K. Snyder (Clinical), Susan Williams, Doris Williams-Smith, Mary Wingfield (Clinical)

Instructors Eileen Westerman (Clinical)

The Department of Curriculum and Instruction offers courses under four headings: art education (ARED), curriculum and instruction (CUIN), 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 Elementary and Secondary Schools Cr. 3. (3-9). Prerequisite: admission to Professional Development Sequence. Field-based course. 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 (CUIN)

3111; 3112; 3113: Information Technology for Young Children Cr. 3. (3-9). Prerequisites: junior standing, 2.50 GPA in English, 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 curricular 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-English speaking students. Taught in Spanish.

3311: Methods and Techniques in Elementary Education Cr. 3. (3-9). Prerequisite: CUIN 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, 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: CUIN 3315. Foundations of prekindergarten.

3317: Kindergarten and Elementary School Programs Cr. 3. (3-0). Prerequisite: CUIN 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: Literature and Reading Programs Cr. 3. (3-0). Prerequisites: 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: CUIN 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: CUIN 3316 or 3317 and PSYC 3360. Principles and procedures for evaluating young children.

4317: Innovative Programs in Early Childhood (formerly ELED 4317) Cr. 3. (3-0). Prerequisite: CUIN 3315. Analysis and evaluation of the structure and content of selected early childhood programs.

4318: Organizing an Environment for Young Children Cr. 3. (3-0). Prerequisites: CUIN 4317 and 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: CUIN 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 CUIN 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: CUIN 3318. Methods and materials for pre-reading 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.

4310: Reading in the Elementary School Cr. 3. (3-9). Prerequisites: six 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). Prerequisites: 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. For majors in art education. Curriculum planning and 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. For majors in kinesiology. 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

Chair: Doris Prater
Professors Richard Fossey, John Mulhern (Visiting), Amaury Nora, Alexander Schlitt, Hersholt C. Waxman, Robert K. Wimpelberg, Yali Zou
Associate Professors Patricia Holland, Richard Lee Hooker, Angus MacNeil, Augusta Reyes,
Assistant Professors J. Thomas Kellow (Visiting), Joy Phillips

Courses:
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.

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.

Department of Educational Psychology

Chair: Robert H. McPherson
Associate Professors Mary W. Armsworth, Robert P. Craig, Ronald G. Frankiewicz, Jacqueline Hawkins, Dov (David B.) Liberman, Stewart Pisecco
Assistant Professors Christopher Blazina, Helen Gore-Laird (Visiting), Christopher A. Wolters, Shirley Yu

Educational Psychology

The Department of Educational Psychology offers an undergraduate program in Human Development and Family Studies and coursework leading to certifications 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 empha-
sizes 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 non-profit 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 [http://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)**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>2360</td>
<td>Atypical Child Development and Learning</td>
<td>3 (3-9)</td>
<td>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.</td>
</tr>
<tr>
<td>3300</td>
<td>Education Psychology</td>
<td>3 (0)</td>
<td>Prerequisite: consent of instructor. Educational psychology emphasizing human development and learning, motivation, instructional applications, individual differences, tests and measurement.</td>
</tr>
<tr>
<td>3360</td>
<td>Education of Children with Disabilities</td>
<td>3 (3-9)</td>
<td>Prerequisite: consent of instructor. Provides an overview of special education. Characteristics, instructional strategies, and services for children with disabilities.</td>
</tr>
<tr>
<td>3361</td>
<td>Behavior Management Theories in Special Education</td>
<td>3 (0)</td>
<td>Prerequisite: admission to professional development sequence. Introduction to affective theories and principles of behavior management.</td>
</tr>
<tr>
<td>4197</td>
<td>Selected Topics in Educational Psychology</td>
<td>1-3 per semester, (1-0:2:4:3-0)</td>
<td>Prerequisite: consent of instructor. Selected topics in educational psychology. May be repeated for credit when topics vary.</td>
</tr>
<tr>
<td>4198</td>
<td>Special Problems</td>
<td>1-3 per semester, (1-0:2:4:3-0)</td>
<td>Prerequisite: consent of instructor. Special problems in special education.</td>
</tr>
<tr>
<td>4362</td>
<td>Behavior Modification in Special Education</td>
<td>3 (0)</td>
<td>Prerequisite: Epsy 3360. Theory and principles of behavioral analysis and behavior modification in special education settings.</td>
</tr>
<tr>
<td>4363</td>
<td>Individualized Educational Programming</td>
<td>3 (0)</td>
<td>Prerequisite: Epsy 3360. Development and application of individualized curriculum and material for the special learner related to the Individualized Education Program process.</td>
</tr>
<tr>
<td>4365</td>
<td>Principles of Diagnostic Teaching in Special Education</td>
<td>3 (0)</td>
<td>Prerequisite: Epsy 3360. Principles and application of diagnostic teaching techniques.</td>
</tr>
<tr>
<td>4367</td>
<td>Consultation Strategies for Special Education</td>
<td>3 (0)</td>
<td>Prerequisite: Epsy 3360. Consultation theories and strategies for use with students, parents, teachers, administrators and constituents of the special education setting.</td>
</tr>
<tr>
<td>4391</td>
<td>Student Teaching in Special Education</td>
<td>6 per course</td>
<td>Prerequisites: admission to special education program and approval of advisor. Supervised observation and student teaching in regular and special class assignments</td>
</tr>
</tbody>
</table>
Courses: Human Development and Family Studies (HDFS)

1300: Development of Contemporary Families Cr. 3. (3-0). Prerequisite: concurrent enrollment in or completion of ENGL 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: HDFS 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; and focus on applied problems related to adult development.

3318: Human Ecology and Adult Development Cr. 3. (3-0). Prerequisite: HDFS 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; and focus on applied problems related to adult development.

3350: Child Development Practicum Cr. 3. (2-3). Prerequisite: HDFS 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. Cr. 1 or 3 per semester. Prerequisite: consent of instructor.

4315: Analysis of Community Resources and Human Services Cr. 3. (3-0). Prerequisites: HDFS 3300 and 4300, HDFS 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). Prerequisites: HDFS 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: HDFS 2317 and 3350 or consent of instructor. Child development research and theory for early education. Evaluating developmental progress in physical-knowledge activities, group games, and group time including social and moral discussions. Intervention strategies and the teacher-child relationship.

4318: Human Ecology of Parenting Cr. 3. (3-0). Prerequisite: HDFS 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; and 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: HDFS 2317, 3350, and credit for or concurrent enrollment in HDFS 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: HDFS 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). Prerequisite: HDFS major and senior standing. Concurrent enrollment in HDFS 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. Prerequisite: HDFS major and senior standing. Concurrent enrollment in HDFS 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. Prerequisites: junior standing in HDFS and permission of the instructor. May be repeated for a maximum of six semester hours of credit.

Department of Health and Human Performance

Chair: Chuck Layne

Professors Phyllis L. Gingiss, Andrew S. Jackson, Dale G. Pease, Ira Wolinsky

Associate Professors Joel A. Bloom, Mark Clarke, Charles S. Layne, Kim Matalon, Demetrius Pearson, Dennis W. Smith, Jenny K. Yi

Assistant Professors Sharon Bode (Clinical), Whitney Boling, Jill Bush, Faith Foreman, Norma Olivera, Andrew Rorschach (Clinical), Brian Sekula, Luc Tremblay (Visiting), 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 B.S. degrees in Health and Kinesiology with secondary certification and a degree program in Kinesiology with all-level certification. The department also offers B.S. degrees in Health and in Kinesiology (Exercise Science and Sports Administration) without teacher certification. Two B.S. degrees in Human Nutrition and Foods are available. One degree is an American Dietetic Association certified track while the other is non-ADA certified.

Degrees with Certification

Health

See the advisors in the Department of Health and Human Performance for degree requirements.

Kinesiology—Movement and Sports Studies

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

Core Curriculum Requirements Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1303, 1304</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Mathematics (MATH 1310)</td>
<td></td>
<td>3</td>
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<tr>
<td>Math/Reasoning (MATH 1313)</td>
<td></td>
<td>3</td>
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<tr>
<td>Natural Science</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Humanities</td>
<td></td>
<td>3</td>
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<tr>
<td>HIST 1377 and 1378</td>
<td></td>
<td>6</td>
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<tr>
<td>POLS 1336 and 1337</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Visual/Performing Arts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>
**State Board for Educator Certification requires an additional six semester hours of approved 2000-level courses in English

Kinesiology

HLT 3353, 3303, 3304, PEB 1101 10
KIN 1103, 1104, 1109, 1252, 2100, 2105, 3206 9
KIN 2108, 3300, 3301, 3304, 3305, 3306, 3309 3251, 4197, 4200, 4310, 4315, 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.

IMPORTANT—The state of Texas made major changes to teacher certification effective September 1, 2002. Instead of Elementary (grades 1–8), Secondary (grades 6–12) and All-Level (grades K–12) certification, there will be grades EC–4, grades 4–8, grades 8–12 and grades EC–12. New exams, Texas Examination of Educator standards (TExES), were administered for the first time in October 2002.

Degree without Certification Specializations

Specialization in Community Health

Core Requirements

ENGL 1303, 1304 6
MATH 1310, 1313 6
Natural Sciences 6
Social Sciences 6
(3 hours must be writing intensive)

Humanities 3
Performing/Visual Arts 3
HIST 1377, 1378 6
POLS 1336, 1337 6

Major Requirements

PH 1101 and 1 additional hour of physical education 2
HLT 1353, 2320, 3301, 3381, 4310, 4392, COMM 1332, 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 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

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

Kinesiology Core

KIN 1252, 2100-2108 (1 hr.), 3300, 3304, 3305, 3306, 3309, 4310, 4315 24

Specialization in Exercise Science

BIOL 1334, 1134, 1344, and 1144 8
KIN 3350, 4269, 4370, 4383 11
KIN 2106 or PEB 1154 and HDCS 2332 4
KIN 2100 or 2105 and PEB 1101 2
CHEM 1301, PHYS 1301 or 1302 6
Approved Minor 15
Electives: 12 hours (8 advanced) 12

Specialization in Sports Administration

KIN 3360, 4345, 4350, 4355, 4360, 4365, 4390, 4391 (or Elective) 24
PEB 1110, 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.

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 basic curriculum track in Human Nutrition and Foods prepares students for careers in extension and food service management. Students interested in seeking registration as a dietician may follow an American Dietetics Association (ADA) approved program. 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 60606-6995 (telephone 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.

Students should see the college website or department advisors for a list of degree requirements.

Courses
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)

1353: Personal Health Cr. 3. (3-0). Scientific facts and principles applied to healthful living and prevention of disease.
2310: Emergency Care and First Aid Cr. 3. (3-0). Emergency care program of the school; Red Cross certification.
2320: Foundations of Health Cr. 3. (3-0). Prerequisites: B IOL 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.
3301: Individual Behavior with Health Consequences Cr. 3. (3-0). 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.
3303: Health of the Elementary Child Cr. 3. (3-9). Field-based course that focuses on health status, needs, and interests of elementary age children with implications for health education.
3304: Adolescent Health Issues Cr. 3. (3-0). Prerequisite: HLT 2320. Health status, needs, and risks associated with adolescence with implications for health education.
3306: Environmental Health Cr. 3. (3-0). Prerequisite: HLT 1353, Community health problems; investigation of mobilization of the public and official voluntary health agencies to minimize such problems.
3381: Health Promotion and Disease Prevention Cr. 3. (3-0). 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.
4198:4398: Special Problems Cr. 1 or 3 per semester. Prerequisite: approval of chair.
4302: Health Aspects of Human Sexuality Cr. 3. (3-0). 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.
4306: Women's Health Issues Cr. 3. (3-0). 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.
4307: Measurement Techniques in Health Cr. 3. (3-0). Prerequisites: junior standing and six semester hours of health education. Quantitative methods in the construction and utilization of instruments used by health educators.
4308: Understanding Cancer Cr. 3. (3-0). Prerequisite: eight semester hours of natural science or consent of instructor. Exploration of the disease cancer and its impact on individuals and the community.
4310: Program Planning for the Health Professions Cr. 3. (3-0). Prerequisite: HLT 2310 or consent of instructor. Development, implementation, and evaluation of health programs.

4392:4393: Field Work in Community Health Cr. 3 per course. (1-6). Prerequisite: Senior standing or consent of instructor. Observation and supervised field work in official and/or voluntary health agencies.

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

Courses: Physical Education Basic Instruction Program (PEB)

1101: Role of Exercise and Fitness on Health Cr. 1. (0-3). Analysis of physical fitness and cardiovascular disease risk and the development of an individualized exercise program for health promotion.
1117 through 1121: Selected Aquatics Cr. 1. (0-3). May be repeated for credit when topics vary. The teaching of beginning and advanced swimming techniques.
1117: Life Saving 1120: Beginning Swimming
1119: Scuba 1121: Intermediate Swimming
1125 through 1144: Selected Lifetime Sports for the College Student Cr. 1. (0-3). May be repeated for credit when topics vary. The teaching of skills and concepts of various team sports.
1125: Beginning Badminton 1136: Racquetball
1130: Golf 1137: Intermediate Karate
1133: Gymnastics 1138: Beginning Tennis
1135: Beginning Karate 1139: Intermediate Tennis
1144 through 1149: Selected Team Sports Cr. 1. (0-3). May be repeated for credit when topics vary: The teaching of skills and concepts of various team sports.
1144: Basketball 1149: Beginning Volleyball
1146: Soccer
1151 through 1154: Selected Exercise Activities Cr. 1. (0-3). May be repeated for credit when topics vary. Understanding and development of fitness through a variety of exercise activities.
1151: Weight Training
1152: Fitness and Weight Control
1153: Conditioning
1154: Rhythmic Aerobics
1251: Exercise for Health and Fitness Cr. 2. (1-2). 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.

2197: Selected Topics in Lifetime Sports Cr. 1. (0-3). Prerequisite: approval of chair. May be repeated for credit when topics vary.
4198:4298:4398: Special Problems Cr. 1-3 per semester. Prerequisite: approval of chair.

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.
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). Prerequisite: 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, 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). Prerequisite: KIN 1252, KIN 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.

4198:4298: 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). Prerequisites: 12 semester hours of advanced Kinesiology. Quantitative methods in the construction and utilization of instruments used in health and human performance.

4315: Motor Learning and Development Cr. 3. (3-0). Prerequisites: B IOL 1334 and 1344, or equivalent, or consent of instructor and PSYC 1300, and 3360 or 3361. Maturational, physiological, and psychological elements of the motor learning process.

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). Prerequisite: KIN 3305, MARK 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). Prerequisite: junior level, 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 2233. Laboratory aspects of the general principles of food and food preparation.

2233: Food Science I (formerly H DCS 2333) Cr. 2. (2-0). Prerequisite: NUTR 2332; concurrent enrollment in NUTR 2133 also required for nutrition majors. Introduction to general principles of food and food preparation and their relationship to chemistry and microbiology.

2332: Introduction to Human Nutrition (formerly H DCS 2332) Cr. 3. (3-0). Prerequisites: MATH 1310 OR TMTH 1335 and either BIOL 1310, BIOL 1431, CHEM 1301 or CHEM 1311. Principles of human nutrition, with emphasis on the nutrient composition of foods, nutrient absorption, and metabolic and physiological processes. Evaluate nutrition claims.

3333: Nutrition Assessment and Planning (formerly H DCS 3333) Cr. 3. (3-0). Prerequisites: NUTR 2332 and BIOL 1431. Assessment of the nutritional status of individuals, including techniques of physical measurement, interpretation of lab values, and evaluation of dietary intake. Overview of medical terminology and counseling techniques.


3335: Commercial Food Production (formerly H DCS 3335) Cr. 3. (2-1). Prerequisites: NUTR 2133 and NUTR 2233. 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 2233. Credit for or concurrent enrollment in NUTR 4235. Laboratory aspects of food, chemistry, and microbiology.

4235: Food Science II (formerly H DCS 4335) Cr. 2. (2-0). Prerequisites: NUTR 2133 and 2233 and credit for or concurrent enrollment in NUTR 4135. Continuation from NUTR 2233 with greater exploration of the relationship between food, chemistry, and microbiology.

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


4334: Community Nutrition (formerly H DCS 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.

4337: Seminar in Therapeutic Nutrition (formerly H DCS 4337) Cr. 3. (3-0). Prerequisites: NUTR 2332 and six additional hours of NUTR courses or consent of instructor. Recent findings in nutrition research, including student presentations.

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 1431. Exercise physiology and biochemistry. Nutritional strategies to enhance performance, before, during and after competition.

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.