EDUCATION

Director, Professor Adam Howard
Professors Lyn Mikel Brown, Adam Howard, and Mark Tappan; Assistant Professor Karen Kusiak

The mission of the Education Program is to enable students to develop expertise in conceptual and theoretical foundations, research, and practice in the field of education. The knowledge, skills, dispositions, and habits of mind required for such expertise are cultivated within the context of a rigorous liberal arts academic environment, informed by perspectives from a variety of disciplines, enhanced by multiple opportunities to engage in service learning and civic engagement, and animated by a commitment to social justice in schools and society.

A focus on social justice means that students in the Education Program explore the impact of cultural assumptions, societal norms, and institutional policies and practices on individuals and groups and examine the operation of power as it relates to the construction of knowledge and the preservation of privilege. In so doing, students are encouraged to analyze critically the intended and unintended oppressions resulting from specific educational and institutional practices by (1) considering the values and politics that pervade educational institutions, as well as the more pragmatic issues of teaching and organizing schools; (2) asking critical questions about how taken-for-granted assumptions and conventions about theory and practice came to be, and who in society benefits from such assumptions; (3) attending to differences in gender, race, social class, sexual orientation, and ability that result in political, social, economic, and educational marginalization and inequality, particularly for children and youth; and (4) examining the connections among different forms of privilege, particularly as these relate to and influence the development of children and youth. Students also are encouraged to move beyond critique to create and implement educational and institutional practices that promote greater social justice and equity in schools and society.

The Education Program offers a major in educational studies that encourages a broad liberal arts exploration of educational theory, research, and practice, informed by a commitment to social justice. Two concentrations are offered:

**Human development concentrators** focus on the ways in which children, adolescents, and young adults experience education in all of its forms, how their identity and self-understanding develops, and how their lives are shaped by psychological, social, and cultural processes at work in a diversity of contexts, institutions, and organizations (including schools, families, peer groups, and communities).

**Schools, society, and culture concentrators** focus on the relationship between educational practices and a variety of institutional structures and systems, as well as cultural norms, values, and ideologies that shape the way schools and other educational organizations function.

Students may also pursue minors in education, in human development, and in professional certification under the auspices of the program.

**Professional Certification**

Colby believes that the best preparation for a teaching career is twofold: (1) a strong background in the liberal arts, including intensive study of the subject to be taught, and (2) appropriate course work and practical experience in education.

There are two pathways for students pursuing professional certification: (1) complete the professional certification minor, (2) complete a major in educational studies and a major in a department or program that corresponds to a field in which Colby offers certification.

Students who complete Colby’s professional certification program are eligible to apply for teacher licensure in Maine for secondary public school teaching (grades 7-12) in the following fields: English, social studies, life science, physical science, and mathematics. In addition, licensure is available for grades K-12 in French, German, and Spanish.

Colby’s professional certification program is approved by the Maine State Board of Education. Maine also participates in the National Association of State Directors of Teacher Education and Certification and, through the NASDTEC Interstate Contract, Maine has reciprocity for teacher licensure with 43 other states. An Education Program faculty member will prepare documentation to support Colby graduates when they apply to transfer the Maine teaching certificate to another state.

Candidates for Maine teacher licensure must pass both the Praxis I (basic knowledge and skills) and Praxis II (content area knowledge) exams, undergo a criminal background check and fingerprinting, and complete a portfolio demonstrating competencies in Maine’s Initial Teaching Standards. Fees are required for both of the Praxis exams and for the background check. Furthermore, the Maine Department of Education charges an application fee. Students may consider applying directly to another state in lieu of completing Maine’s requirements. Students who wish to apply directly to another state without first obtaining Maine licensure must contact the department of education in the other state and should also consult with Colby Education Program faculty.

Students interested in professional certification must apply to the program in the spring of their junior year. Candidates must have at least a 3.0 average in their major subject area and must have completed the appropriate prerequisites for the student-teaching sequence. Note: Completion of the professional certification program requires that candidates teach full time (8 a.m.-2 p.m., Monday-Friday) during the spring semester of their senior year. Other Colby courses cannot conflict with this daily commitment.

A *ninth-semester program* is also available to qualified students. Students in the program return to Colby after graduation to complete the senior student-teaching sequence by working full time in a local school. There is no charge for this program, but students are responsible for finding their own housing off campus. Students interested in the ninth-semester program must apply to the program in the spring of their senior year.
Additional information about the professional certification and ninth-semester options is available from the program faculty. Early
consultation with program faculty and careful planning of the student’s course of studies are essential for successful completion of the
minor. This is especially important for students studying abroad.

**Colby College Pass Rates for Praxis I and Praxis II Exams**

The Higher Education Act Reauthorization of 1998 requires that the pass rate of professional certification students on the state-mandated
teacher exams be reported each year. Pass rates for classes that have fewer than 10 students are not reported, and thus the annual pass
rates for Colby College are not available. However, the four-year aggregate score is reported, and Colby’s pass rate for the period of 2009-
2016 is 100 percent.

**Requirements for the Major in Educational Studies with a Concentration in Human Development**

Ten courses are required: Education 201, 215, 493; one practicum or internship; three electives in education (including at least two 300- or
400-level courses); and three approved courses from other departments or programs, not including 100-level courses (see list of approved
courses below).

**Requirements for the Major in Educational Studies with a Concentration in Schools, Society, and Culture**

Ten courses are required: Education 201, 213, 493; one practicum or internship; three electives in education (including at least two 300- or
400-level courses); and three approved courses from other departments or programs, not including 100-level courses (see list of approved
courses below).

**Honors in Educational Studies**

Students majoring in educational studies may apply to participate in the honors program by submitting a formal statement of their intention
to the program faculty by April 15 of their junior year. The written proposal must include a description of the proposed work, a timeline, and
the agreement of a faculty sponsor and a secondary faculty reader. A 3.25 overall average and a 3.5 major average at the end of the junior
year is a condition for entry into the program. The program involves independent research conducted in education and related fields and
enrollment in Education 483 and 484. Honors is typically taken for eight credits over two semesters; honors course credits may substitute for
the senior seminar requirement, but they do not count toward other elective requirements in the major. A 3.5 major average at the end of the
senior year and a public oral presentation of the project are conditions for successful completion of this program. The final project will
typically consist of a thesis of 50-70 pages of superior quality.

**Requirements for the Minor in Education**

Seven courses are required: Education 201, 213, 493; one practicum or internship; and three electives in education.

**Requirements for the Minor in Human Development**

Seven courses are required: Education 201, 215, 493; one practicum or internship; one elective in education; and two electives in related
departments, to be approved by the program chair.

**Requirements for the Minor in Professional Certification**

Nine courses are required: Education 201, 213 or 215, 331, 351, 374, 433, 437, 494A, and 494B. In addition, students must complete a
major in a department or program that corresponds to a field in which Colby offers certification. Note: Education 433, offered during the
spring semester of the senior year, requires that professional certification candidates teach full time (8 a.m.-2 p.m., Monday-Friday). Other
Colby courses cannot conflict with this daily commitment.

**Requirements for Professional Certification for Double Majors**

A major in educational studies and a major in a department or program that corresponds to a field in which Colby offers certification.
Courses in education must include 201, 213 or 215, 331, 351, 374, 433, 437, 494A, and 494B. Note: Education 433, offered during the
spring semester of the senior year, requires that professional certification candidates teach full time (8 a.m.-2 p.m., Monday-Friday). Other
Colby courses cannot conflict with this daily commitment.

**Approved Courses for the Concentration in Human Development**

*Anthropology*
- 231 Caribbean Cultures
- 246 Religion and Everyday Life in Muslim Societies
- 258 Anthropology, History, Memory
- 341 Culture, Mobility, Identity: Encounters in the African Diaspora
- 363 Secrecy and Power
- 373 The Anthropology of Gender and Sexuality

**Psychology**
- 232 Cognitive Psychology
- 251 Personality Psychology
- 253 Social Psychology
- 259 Lifespan Development

**Sociology**
- 252 Race, Ethnicity, and Society
- 273 Sociology of Families
- 276 Sociology of Gender
- 344 Sociology of Sexualities
- 361 Special Topics in Health and Medicine: Substance Use and Abuse

**Women’s, Gender, and Sexuality Studies**
- 201 Introduction to Women’s, Gender, and Sexuality Studies
- 232 Queer Identities and Politics

### Approved Courses for the Concentration in Schools, Society, and Culture

**Anthropology**
- 236 Illegal Drugs, Law, and the State
- 242 Anthropology of Latin America: City Life
- 256 Land, Food, Culture, and Power
- 341 Culture, Mobility, Identity: Encounters in the African Diaspora
- 361 Militaries, Militarization, and War

**Global Studies**
- 437 Media, Culture, and the Political Imagination

**Government**
- 210 Interest-Group Politics
- 212 U.S. Congress

**History**
- 231 American Women’s History to 1870
- 232 American Women’s History, 1870 to the Present
- 233 Native Americans to 1850
- 234 Native Americans since 1850
- 241 History of Colby College
- 247 African-American History, from Slavery to Freedom

**Sociology**
- 231 Contemporary Social Problems
- 252 Race, Ethnicity, and Society
- 259 Activism and Social Movements
- 274 Social Inequality and Power
- 357 Civil Rights, Black Power, and Social Change

**Women’s, Gender, and Sexuality Studies**
- 201 Introduction to Women’s, Gender, and Sexuality Studies
- 232 Queer Identities and Politics
- 317 Boys to Men
- 335 Girls, Activism, and Popular Culture

### Course Offerings

**ED120s   Exploring Teachers in Fiction, Art, and Film**  Examines the ways in which teachers are portrayed in short stories or excerpts
from longer literary texts, in art objects from the Colby College Museum of Art, and in both narrative and documentary feature-length cinema. Questions the popular and artistic portrayals of teachers with the realization that critical analyses of these representations can lead to reimaged views of the roles and practices of effective and justice-oriented teachers. Students will write regularly, complete individual research, and make an in-class presentation.  

**ED135** Multicultural Literacy  Introduces students to the knowledge and skills that constitute multicultural literacy, including 1) understanding and respecting differences based on race, ethnicity, gender, sexuality, social class, religion, and ability; 2) being aware of one's own culture/background and biases and how these may shape one's interaction with those who are different; 3) mastering key theoretical concepts that shape and inform contemporary approaches to diversity and social justice; and 4) communicating effectively across differences, managing conflict in positive ways, and intervening in negative situations.  

**Prerequisite:** First-year standing.  

*Three credit hours.*  

**ED192s** Sexual Violence Prevention Peer Educator Training  Under the direction of the Director of the Gender and Sexual Diversity Program and Associate Director of the Pugh Center, preparation for holding student-led, mandatory Sexual Violence Prevention Training sessions for sophomores next fall. Does not count toward the education majors or minors. Nongraded. **Prerequisite:** Permission of the instructor.  

*One credit hour.*  

**ED201Jj** Education and Social Justice  An introduction to the relationship between education (theory, research, and practice) and social justice in U.S. schools. Goals include (1) understanding the concept of social justice, the dynamics of power, privilege, and oppression, and how these dynamics shape the experience of students and teachers; (2) developing relationships with children and youth in the greater Waterville area; (3) expanding ethical capacities, including compassion, empathy, respect, responsibility, and commitment to social justice; (4) honing key academic and intellectual skills. In addition, students are required to spend a minimum of 50 civic engagement hours in a local classroom. Previously listed as Education 231.  

*Four credit hours.*  

**ED201s** Education and Social Justice  An introduction to the relationship between education (theory, research, and practice) and social justice in U.S. schools. Goals include (1) understanding the concept of social justice, the dynamics of power, privilege, and oppression, and how these dynamics shape the experience of students and teachers; (2) developing relationships with children and youth in the greater Waterville area; (3) expanding ethical capacities, including compassion, empathy, respect, responsibility, and commitment to social justice; (4) honing key academic and intellectual skills. Previously listed as Education 231.  

*Three credit hours.*  

**ED213s** Schools and Society  The complex relationships between schools and society will be examined by reviewing a variety of theoretical perspectives and empirical studies. Topics include social mobility and stratification; social reproduction; the dynamics of race, class, and gender in education; various forms of capital; teaching as a profession; and school choice. Particular attention will be given to the ways that small interactions within educational settings have much larger implications within society. **Prerequisite:** Sophomore or higher standing.  

*Four credit hours.*  

**ED215f** Children and Adolescents in Schools and Society  Explores the lives of contemporary children and adolescents. Goals include (1) understanding how differences in gender, race, ethnicity, social class, and sexual orientation shape the experience of young people; (2) understanding selected theoretical and empirical work in the field of child and youth studies; (3) developing relationships with local young people; and (4) honing key academic and intellectual skills. In addition, students are required to spend a minimum of 25 civic engagement hours working in a local after-school program. **Prerequisite:** Sophomore or higher standing.  

*Four credit hours.*  

**ED221j** Creating Media for Social Change  Explores how to create entertaining and educationally effective digital media for youth (preschool to high school), with an emphasis on socially charged curricular areas such as conflict resolution and cultural tolerance. Through extensive screening of media from around the world, lecture, and discussion, students learn to create their own goal-driven media projects. This will include working in small teams to 1) create a short film as part of a collaboration with an Iraqi youth peace initiative, and 2) develop a multimedia, series treatment that addresses an issue that targets American youth.  

*Three credit hours.*  

**ED222s** Second Language Pedagogy  Listed as East Asian Studies 221.  

*Four credit hours.*  

**ED242f** History and Philosophy of Progressive Education  A survey of the historical and philosophical foundations of progressive education. Focuses on the principles of progressive education that have offered an alternative to conventional assumptions about teaching, learning, and schooling for nearly a century. These progressive principles are examined against the backdrop of standardization and mechanization that, more than ever, dominate schools in the United States. **Prerequisite:** Sophomore or higher standing.  

*Four credit hours.*  

**ED317s** Boys to Men  Listed as Women's, Gender, and Sexuality Studies 317.  

*Four credit hours.*  

**ED318** Multicultural Literacy  Introduces students to the knowledge and skills that constitute multicultural literacy, including 1) understanding and respecting differences based on race, ethnicity, gender, sexuality, social class, religion, and ability; 2) being aware of one's own culture/background and biases and how these may shape one's interaction with those who are different; 3) mastering key theoretical concepts that shape and inform contemporary approaches to diversity and social justice; and 4) communicating effectively across differences, managing conflict in positive ways, and intervening in negative situations. **Prerequisite:** First-year standing.  

*Three credit hours.*  

**ED201s** Education and Social Justice  An introduction to the relationship between education (theory, research, and practice) and social justice in U.S. schools. Goals include (1) understanding the concept of social justice, the dynamics of power, privilege, and oppression, and how these dynamics shape the experience of students and teachers; (2) developing relationships with children and youth in the greater Waterville area; (3) expanding ethical capacities, including compassion, empathy, respect, responsibility, and commitment to social justice; (4) honing key academic and intellectual skills. Previously listed as Education 231.  

*Four credit hours.*  

**ED213s** Schools and Society  The complex relationships between schools and society will be examined by reviewing a variety of theoretical perspectives and empirical studies. Topics include social mobility and stratification; social reproduction; the dynamics of race, class, and gender in education; various forms of capital; teaching as a profession; and school choice. Particular attention will be given to the ways that small interactions within educational settings have much larger implications within society. **Prerequisite:** Sophomore or higher standing.  

*Four credit hours.*  

**ED215f** Children and Adolescents in Schools and Society  Explores the lives of contemporary children and adolescents. Goals include (1) understanding how differences in gender, race, ethnicity, social class, and sexual orientation shape the experience of young people; (2) understanding selected theoretical and empirical work in the field of child and youth studies; (3) developing relationships with local young people; and (4) honing key academic and intellectual skills. In addition, students are required to spend a minimum of 25 civic engagement hours working in a local after-school program. **Prerequisite:** Sophomore or higher standing.  

*Four credit hours.*  

**ED221j** Creating Media for Social Change  Explores how to create entertaining and educationally effective digital media for youth (preschool to high school), with an emphasis on socially charged curricular areas such as conflict resolution and cultural tolerance. Through extensive screening of media from around the world, lecture, and discussion, students learn to create their own goal-driven media projects. This will include working in small teams to 1) create a short film as part of a collaboration with an Iraqi youth peace initiative, and 2) develop a multimedia, series treatment that addresses an issue that targets American youth.  

*Three credit hours.*  

**ED222s** Second Language Pedagogy  Listed as East Asian Studies 221.  

*Four credit hours.*  

**ED242f** History and Philosophy of Progressive Education  A survey of the historical and philosophical foundations of progressive education. Focuses on the principles of progressive education that have offered an alternative to conventional assumptions about teaching, learning, and schooling for nearly a century. These progressive principles are examined against the backdrop of standardization and mechanization that, more than ever, dominate schools in the United States. **Prerequisite:** Sophomore or higher standing.  

*Four credit hours.*  

**ED317s** Boys to Men  Listed as Women's, Gender, and Sexuality Studies 317.  

*Four credit hours.*  

**ED318** Multicultural Literacy  Introduces students to the knowledge and skills that constitute multicultural literacy, including 1) understanding and respecting differences based on race, ethnicity, gender, sexuality, social class, religion, and ability; 2) being aware of one's own culture/background and biases and how these may shape one's interaction with those who are different; 3) mastering key theoretical concepts that shape and inform contemporary approaches to diversity and social justice; and 4) communicating effectively across differences, managing conflict in positive ways, and intervening in negative situations. **Prerequisite:** First-year standing.  

*Three credit hours.*  

**ED201s** Education and Social Justice  An introduction to the relationship between education (theory, research, and practice) and social justice in U.S. schools. Goals include (1) understanding the concept of social justice, the dynamics of power, privilege, and oppression, and how these dynamics shape the experience of students and teachers; (2) developing relationships with children and youth in the greater Waterville area; (3) expanding ethical capacities, including compassion, empathy, respect, responsibility, and commitment to social justice; (4) honing key academic and intellectual skills. Previously listed as Education 231.  

*Four credit hours.*  

**ED213s** Schools and Society  The complex relationships between schools and society will be examined by reviewing a variety of theoretical perspectives and empirical studies. Topics include social mobility and stratification; social reproduction; the dynamics of race, class, and gender in education; various forms of capital; teaching as a profession; and school choice. Particular attention will be given to the ways that small interactions within educational settings have much larger implications within society. **Prerequisite:** Sophomore or higher standing.  

*Four credit hours.*  

**ED215f** Children and Adolescents in Schools and Society  Explores the lives of contemporary children and adolescents. Goals include (1) understanding how differences in gender, race, ethnicity, social class, and sexual orientation shape the experience of young people; (2) understanding selected theoretical and empirical work in the field of child and youth studies; (3) developing relationships with local young people; and (4) honing key academic and intellectual skills. In addition, students are required to spend a minimum of 25 civic engagement hours working in a local after-school program. **Prerequisite:** Sophomore or higher standing.  

*Four credit hours.*  

**ED221j** Creating Media for Social Change  Explores how to create entertaining and educationally effective digital media for youth (preschool to high school), with an emphasis on socially charged curricular areas such as conflict resolution and cultural tolerance. Through extensive screening of media from around the world, lecture, and discussion, students learn to create their own goal-driven media projects. This will include working in small teams to 1) create a short film as part of a collaboration with an Iraqi youth peace initiative, and 2) develop a multimedia, series treatment that addresses an issue that targets American youth.  

*Three credit hours.*  

**ED222s** Second Language Pedagogy  Listed as East Asian Studies 221.  

*Four credit hours.*  

**ED242f** History and Philosophy of Progressive Education  A survey of the historical and philosophical foundations of progressive education. Focuses on the principles of progressive education that have offered an alternative to conventional assumptions about teaching, learning, and schooling for nearly a century. These progressive principles are examined against the backdrop of standardization and mechanization that, more than ever, dominate schools in the United States. **Prerequisite:** Sophomore or higher standing.  

*Four credit hours.*  

**ED317s** Boys to Men  Listed as Women's, Gender, and Sexuality Studies 317.  

*Four credit hours.*
ED322s  Social Class and Schooling  The significance of class as a critical dimension of inequality in the United States. Various theoretical, empirical, and pedagogical perspectives on social class and schooling provide a basis for analyzing class stratification in education. Unraveling the cultural dynamics of class distinctions to understand the social, economic, and cultural landscapes within which young people come to understand the meaning of their schooling in a shifting global economy.  

Four credit hours.  U.  HOWARD

ED331f  Curriculum and Methods  A consideration of various teaching and assessment methods as well as curriculum design for secondary classrooms. Students develop knowledge and skills to meet Maine Standards for Initial Teacher Certification. Students write and present lesson plans, create assessment protocols, develop a coherent unit of study using a backward design model, and conduct and present a research paper on recommended practices for teaching in their certification content area/discipline. Previously listed as Education 431.  

Prerequisite: Senior standing as a professional certification minor.  Four credit hours.  TAPPAN

ED334f  Girls, New Civics, and Youth-Fueled Activism  Girls are not future citizens or leaders of tomorrow but present civic actors. In this course, we explore the landscape of “new civics” through youth activism, critical civic participation, and organizing for social justice. Paying close attention to issues of identity, community, and culture, we explore barriers to and examples of girl-generated grassroots organizing and online activism and examine the complexities and possibilities of partnering with youth to address social injustice.  

Prerequisite: Education 201, 213, or 215 or Women’s Gender, and Sexuality Studies 201.  Four credit hours.  BROWN

ED335  Girls, Activism, and Popular Culture  Listed as Women’s, Gender, and Sexuality Studies 335.  Four credit hours.  U.

ED351  Practicum in Education  Provides opportunities to serve as assistant teachers, tutor students, work with students individually, observe professional teachers, and prepare and present lesson plans to whole classes in an elementary, middle, or high school. Placement in the Waterville area will be arranged by the professor; students will be responsible for arranging placements in other areas. Nongraded.  

Prerequisite: Permission of the instructor.  One to three credit hours.

ED351J  Practicum in Education  Provides opportunities to serve as assistant teachers, tutor students, work with students individually, observe professional teachers, and prepare and present lesson plans to whole classes in an elementary, middle, or high school. Placement in the Waterville area will be arranged by the professor; students will be responsible for arranging placements in other areas. Nongraded.  

Prerequisite: At least one course in education and sophomore standing.  Three credit hours.  PROTO

ED374fs  Educating All Learners in Inclusive Classrooms  Considers rights of students and responsibilities of educators as they relate both to teaching students who have disabilities as well as to teaching students with other individual learning characteristics. Course topics explore psychological, philosophical, historical, and policy foundations of special education within a critical frame of disability studies. Students are required to complete a minimum of 20 hours of civic engagement in a classroom that provides accommodations for students with disabilities or other challenges to learning.  

Prerequisite: Education 201, 213, 215, or 231.  Four credit hours.  KUSIAK

ED376s  Teaching Culturally and Linguistically Diverse Students  Examines theory and practice for equitable outcomes for students from culturally and linguistically diverse (CLD) backgrounds. Readings and discussions explore structural, cultural, and interpersonal issues that contribute to educational outcomes for CLD students and identify practices that actively redress opportunity and achievement gaps among them. Topics include equity literacy, second language acquisition, academic language development, assessment of and accountability for CLD students, and practices to support CLD students in mainstream classrooms. Students will participate in organized off-campus visits to community organizations and schools in Maine that serve CLD students.  

Prerequisite: Education 201, 213, or 215.  Four credit hours.  KUSIAK

ED398s  Research Seminar on Global Citizenship Education  An intensive reading and discussion course which explores the ways in which dimensions of learning and teaching point toward questions about boundaries, flows, power relations, belonging, responsibilities, otherness, and interdependence. Focuses on how justice-oriented research is conducted, how data are theorized and analyzed, and how interpretive texts are written. Students work to apply theories and methods in researching the meanings and practices of global citizenship education throughout the world and collaborate on an ethnography of global citizenship education at schools in six countries.  

Prerequisite: A 300-level course in education or sociology.  Four credit hours.  I.  HOWARD

ED433s  Student Teaching Practicum  Students serve as student teachers in a local secondary school, working under the supervision of
a cooperating teacher. Students manage classrooms and complete administrative tasks associated with secondary teaching. Education Program faculty members make observations in the classroom and note ways in which the student teachers are progressing toward meeting Maine's Standards for Initial Certification of Teachers as well as the ways in which they are applying the framework of teaching for social justice. Nongraded. Prerequisite: Education 437 and Senior standing as a professional certification minor. Four credit hours. TAPPAN

ED437j  Student Teaching Practicum  Students serve full-time as student teachers in a local secondary school, working under the supervision of a cooperating teacher and making use of lesson plans, assessments, and unit plans developed in Education 431. Students manage classrooms and complete administrative tasks associated with secondary teaching. Faculty members observe students in the classroom and note their progress toward meeting Maine's Standards for Initial Certification of Teachers and applying the framework of teaching for social justice. Faculty members meet weekly with students to discuss practical aspects of acquiring teacher licensure as well as topics selected jointly by the students and faculty member. Nongraded. Three credit hours. TAPPAN

ED483f  Honors Project  Two to four credit hours. FACULTY

ED491f, 492s  Independent Study  Independent study of advanced topics and areas of individual interest. Prerequisite: Permission of the instructor. One to four credit hours. FACULTY

ED493f  Senior Seminar in Education and Human Development  A critical examination of selected topics and issues in the contemporary study of education and human development. The focus will vary from year to year but will typically entail in-depth consideration of the psychological, philosophical, social, cultural, and/or historical dimensions of education and human development. Open only to senior majors and minors in education or human development. Four credit hours. HOWARD, KUSIAK

ED494As  Senior Seminar in Creating Equitable Learning Environments  Explores theory and research to identify best practices for creating equitable learning environments for all students at the middle and high school levels. Develops the knowledge and skills to plan and execute lessons that address various learning styles and abilities, incorporate and respect cultural differences, and meet the individual needs of students. Prerequisite: Senior standing as a professional certification minor and concurrent enrollment in Education 433 and 494B. Four credit hours. TAPPAN

ED494Bs  Senior Seminar in Professional Certification  Further introduces dimensions of the teaching profession and guides students through the initial teaching certification process. Students will design and complete a professional portfolio that addresses the standards for initial teaching certification. They will analyze and critique artifacts as evidence of competency in teaching. Provides opportunities to further develop an understanding and appreciation of the nature and importance of a reflective approach to teaching. Prerequisite: Senior standing as a professional certification minor and concurrent enrollment in Education 433. Four credit hours. TAPPAN