CURRICULUM AND INSTRUCTION (CI)

CI 40093 VARIABLE TITLE WORKSHOP IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours
(Repeatable for credit) (Cross-listed with CI 50093 and CI 70093) Variable topic workshop designed to respond to curriculum trends and issues, and specialized needs.
Prerequisite: Permission.
Schedule Type: Workshop
Contact Hours: 1-5 other
Grade Mode: Satisfactory/Unsatisfactory-IP

CI 47095 SPECIAL TOPICS IN CURRICULUM AND INSTRUCTION 1-5
Credit Hours
(Repeatable for credit) (Cross-listed with CI 57095 and CI 77095) Special topic workshop designed to respond to curriculum trends and issues, and specialized needs.
Prerequisite: Permission.
Schedule Type: Lecture
Contact Hours: 1-5 lecture
Grade Mode: Standard Letter-IP

CI 47096 INDIVIDUAL INVESTIGATION IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours
(Repeatable for credit) (Cross-listed with CI 57096 and CI 77096) Individual investigation designed to respond to curriculum trends and issues, and specialized needs.
Prerequisite: special approval.
Schedule Type: Individual Investigation
Contact Hours: 1-5 other
Grade Mode: Satisfactory/Unsatisfactory-IP

CI 47195 SPECIAL TOPICS IN CURRICULUM AND INSTRUCTION 1-5
Credit Hours
(Repeatable for credit) Student teaching.
Prerequisite: special approval.
Schedule Type: Practicum or Internship
Contact Hours: 1-5 other
Grade Mode: Satisfactory/Unsatisfactory-IP

CI 47330 READING AND WRITING IN ADOLESCENCE/ADULTHOOD 3 Credit Hours
(Cross-listed with CI 57330) Understanding of literacy learning in adolescence and adulthood (ages 12-21) with an emphasis on strategies for text learning, literacy in electronic environments and teaching students who struggle as readers and writers.
Prerequisite: Admission to advanced study.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 47502 SCIENCE TEACHING IN EARLY AND MIDDLE GRADES 3 Credit Hours
(Cross-listed with CI 57502) Addresses pedagogical content knowledge for the teaching and learning of science in grades K-9. In addition students examine how to best align science practice to state and national standards.
Prerequisite: Admission to advanced study.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 47503 TEACHING SOCIAL STUDIES IN EARLY AND MIDDLE GRADES 3 Credit Hours
(Cross-listed with CI 57503) Addresses pedagogical content knowledge for the teaching and learning of social studies in grades K-9, based on the national content and process standards.
Prerequisite: Admission to advanced study.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 47504 CORE AND DIFFERENTIATED INSTRUCTION FOR READING AND WRITING IN THE MIDDLE GRADES 3 Credit Hours
(íg-listed with CI 57504) Addresses pedagogical content knowledge for the teaching and learning of reading and writing in grades 4-9, based on the national content and process standards. Students learn how to provide accommodations and differentiated instruction to address diverse learning needs within the core reading and writing curriculum.
Prerequisite: Admission to advanced study.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 47505 CORE AND DIFFERENTIATED INSTRUCTION FOR SOCIAL STUDIES AND SCIENCE 3 Credit Hours
(íg-listed with CI 57505) Addresses principles of teaching and learning as applied to teaching social studies and science in elementary and middle grades. Students learn how to provide accommodations and differentiated instruction to address diverse learning needs within the core curriculum. In addition, students examine how to best align social studies and science practice with state and national standards.
Prerequisite: admission to advanced study.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 50093 VARIABLE TITLE WORKSHOP IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours
(Repeatable for credit) (Cross-listed with CI 40093 and CI 70093) Variable topic workshop designed to respond to curriculum trends and issues, and specialized needs.
Prerequisite: Advanced standing, minimum C (2.000) in MATH 14001 or 14002.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 50095 SPECIAL TOPICS: SEMINAR/WORKSHOP IN CURRICULUM AND INSTRUCTION 1 Credit Hour
(Repeatable for credit) Special topic: seminar workshop for international baccalaureate program.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 1 lecture
Grade Mode: Standard Letter-S/U-IP
CI 53093  VARIABLE TITLE WORKSHOP IN EXERCISE, LEISURE AND SPORT  1-3 Credit Hours
(Repeatable for credit) (Cross-listed with SRM 53093) Workshop in exercise, leisure and sport studies topics vary. Maximum 4 hours may be applied to degree.
Prerequisite: Graduate standing.
Schedule Type: Workshop
Contact Hours: 1-3 other
Grade Mode: Satisfactory/Unsatisfactory

CI 55015  PSYCHOLOGY OF COACHING  3 Credit Hours
(Cross-listed with PEP 45015) Factors affecting athletic performance emphasizing skill, motivation, personality and practice conditions.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 55020  CONTEMPORARY ATHLETIC COACHING  3 Credit Hours
A focus on the philosophy, skills, strategies and tactics of coaching within contemporary society.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 55051  ELEMENTARY SCHOOL PHYSICAL EDUCATION METHODS  3 Credit Hours
(Cross-listed with PEP 45051) Approaches to teaching in elementary school physical education. Focus on establishing an environment for learning, planning standards based lessons, instructional effectiveness, and assessment of student learning. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of field experience. Corequisite: CI 55053.
Prerequisite: Special approval and graduate standing; and students in the Physical Education Teacher Education (PETE) concentration in the Curriculum and Instruction (CI) major within the Master of Education (MED) degree.
Schedule Type: Combined Lecture and Lab
Contact Hours: 2 lecture, 2 lab
Grade Mode: Standard Letter

CI 55053  ELEMENTARY SCHOOL PHYSICAL EDUCATION CONTENT  3 Credit Hours
(Slashed with PEP 45053) Physical education content for the elementary school child with emphasis on developmentally appropriate learning in three domains. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of field experience. Corequisite: CI 55051.
Prerequisite: Special approval and graduate standing.
Schedule Type: Combined Lecture and Lab
Contact Hours: 2 lecture, 2 lab
Grade Mode: Standard Letter

CI 55059  SECONDARY SCHOOL PHYSICAL EDUCATION METHODS  3 Credit Hours
(Cross-listed with PEP 45059) Approaches to teaching in secondary physical education. Focus on management of the learning environment, planning for learning outcomes in three domains, instructional effectiveness, and sequential curriculum development. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of field experience. Corequisite: CI 55059.
Prerequisite: Special approval and graduate standing.
Schedule Type: Combined Lecture and Lab
Contact Hours: 2 lecture, 2 lab
Grade Mode: Standard Letter

CI 55058  SECONDARY SCHOOL PHYSICAL EDUCATION CONTENT  3 Credit Hours
(Cross-listed with PEP 45058) Introduction and development of content, standards-based curriculum models, management and organizational skills related to sports and activities utilized in secondary school physical education. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of field experience. Corequisite: CI 55058.
Prerequisite: Special approval and graduate standing.
Schedule Type: Combined Lecture and Lab
Contact Hours: 2 lecture, 2 lab
Grade Mode: Standard Letter

CI 57330  READING AND WRITING IN ADOLESCENCE/ADULTHOOD  3 Credit Hours
(Cross-listed with CI 47330) Understanding of literacy learning in adolescence and adulthood (ages 12-21) with an emphasis on strategies for text learning, literacy in electronic environments, and teaching students who struggle as readers and writers.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 57501  CORE AND DIFFERENTIATED INSTRUCTION FOR MATHEMATICS  3 Credit Hours
(Slashed with CI 47501) Addresses pedagogical content knowledge for the teaching and learning of mathematics in grades K-9, based on the national content and process standards. Students learn how to provide accommodations and differentiated instruction to address diverse learning needs within the core curriculum.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 57502  SCIENCE TEACHING IN EARLY AND MIDDLE GRADES  3 Credit Hours
(Cross-listed with CI 47502) This course addresses pedagogical content knowledge for the teaching and learning of science in grades K-9. In addition students will examine how to best align science practice to state and national standards.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
CI 57503  TEACHING SOCIAL STUDIES IN EARLY AND MIDDLE GRADES  
3 Credit Hours
(Cross-listed with CI 47503) This course addresses pedagogical content knowledge for the teaching and learning of social studies in grades K-9, based on the national content and process standards.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 57504  CORE AND DIFFERENTIATED INSTRUCTION FOR READING AND WRITING IN THE MIDDLE GRADES  
3 Credit Hours
(Slashed with CI 47504) Addresses pedagogical content knowledge for the teaching and learning of reading and writing in grades 4-9, based on the national content and process standards. Students learn how to provide accommodations and differentiated instruction to address diverse learning needs within the core reading and writing curriculum.
Prerequisite: graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 57505  CORE AND DIFFERENTIATED INSTRUCTION FOR SOCIAL STUDIES AND SCIENCE  
3 Credit Hours
(Slashed with CI 47505) Addresses principles of teaching and learning as applied to teaching social studies and science in elementary and middle grades. Students learn how to provide accommodations and differentiated instruction to address diverse learning needs within the core curriculum. In addition, students examine how to best align social studies and science practice with state and national standards.
Prerequisite: graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 60199  THESIS I  
2-6 Credit Hours
Thesis students must register for a total of 6 hours, 2 to 6 hours in a single semester distributed over several semesters if desired.
Prerequisite: Graduate standing and special approval.
Schedule Type: Masters Thesis
Contact Hours: 2-6 other
Grade Mode: Satisfactory/Unsatisfactory-IP

CI 60299  THESIS II  
2 Credit Hours
Thesis students must continue registration each semester until all degree requirements are met.
Prerequisite: CI 60199 and graduate standing.
Schedule Type: Masters Thesis
Contact Hours: 2 other
Grade Mode: Satisfactory/Unsatisfactory-IP

CI 61124  EDUCATING THE GOOD CITIZEN  
3 Credit Hours
(Slashed with CI 71124) This course will explore competing conceptions of citizenship education through an examination and critique of the diverse perspectives on the purposes and possibilities of citizenship education—including the contributions and influence of multicultural, international and theoretical perspectives on the meaning of educating citizens in a democracy—situating work, thinking, and practice in the literature. As part of the process of reading, discussing and deliberating together, students will articulate a rationale for citizenship education and develop ways to incorporate their vision for citizenship education into their work as teacher educators, practicing social studies teachers and-or community members.
Prerequisite: graduate standing.
Schedule Type: Seminar
Contact Hours: 3 other
Grade Mode: Standard Letter

CI 61125  ISSUES AND TRENDS IN SOCIAL STUDIES EDUCATION  
3 Credit Hours
(Cross-listed with CI 71125) This course will provide an overview of historical trends and contemporary issues in social studies education.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 61126  RESEARCH IN SOCIAL STUDIES TEACHING AND LEARNING  
3 Credit Hours
(Cross-listed with CI 71126) During this course students will examine, discuss and study research in the teaching and learning of social studies as well as develop their own study of social studies teaching and learning.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 61127  TECHNOLOGY AND SOCIAL STUDIES  
3 Credit Hours
(Cross-listed with CI 71127) Course provides experiences with and study of various uses of technology in social studies teaching and learning. During the course we will examine implications and effects of technology on student learning, teaching and society as a whole.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 61130  MULTICULTURAL EDUCATION: STRATEGIES  
3 Credit Hours
(Cross-listed with CI 71130) Teachers will be provided with knowledge and strategies for teaching children to function effectively in a pluralistic society.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 61133  ISSUES AND TRENDS IN ELEMENTARY SCIENCE  
3 Credit Hours
(Cross-listed with CI 71133) New discoveries in science, including issues in society with direct science content. Emphasis is on practical and simple classroom applications.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
CI 61134  RESEARCH TRENDS IN SCIENCE EDUCATION  3 Credit Hours
(Cross-listed with CI 71134) Course in issues relating to research methods pertinent to science education.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 61140  CULTURE AND MULTICULTURALISM IN SCIENCE EDUCATION  3 Credit Hours
(Cross-listed with CI 71140) This course provides a general introduction to the impacts of multiculturalism and the social studies of science on science education. Implications for science educational curriculum theory, classroom practice and research are explored. Topics examined include, race and gender in science education, teaching the culture of science and teaching science in a global context.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 61141  NATURE OF SCIENCE IN SCIENCE EDUCATION  3 Credit Hours
(Cross-listed with CI 71141) Course in issues relating to the nature of science as it impacts science education.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 63193  VARIABLE TITLE WORKSHOP IN EXERCISE, LEISURE AND SPORT  1-3 Credit Hours
(Repeatable for credit) Workshop in exercise, leisure and sport topics vary. Maximum 4 hours applied to the degree.
Prerequisite: Special approval and graduate standing.
Schedule Type: Workshop
Contact Hours: 1-3 other
Grade Mode: Satisfactory/Unsatisfactory

CI 65037  ADAPTED PHYSICAL EDUCATION  3 Credit Hours
This online course is designed to prepare physical education teachers to provide safe, appropriate, and individualized accommodations to students with disabilities. All information presented is structured around research-based and cross-culturally appropriate practices in adapted physical education that have been implemented in physical education programs globally. This web-based program includes lecture notes, supplemental readings, and video clips.
Prerequisite: graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 65043  SUPERVISION PROCESSES IN SPORT PEDAGOGY  3 Credit Hours
A course designed to enhance ability to develop more effective teaching/learning environments through the use of systematic observation and application of supervisory theory.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 65044  PEDAGOGICAL ANALYSIS OF PHYSICAL EDUCATION AND SPORT  3 Credit Hours
(Slashed with CI 85044) An analysis of contemporary pedagogical models, practices and theories relevant to the multidimensional environments of physical education and sport.
Prerequisite: graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 65055  CURRICULUM DEVELOPMENT IN SPORT PEDAGOGY  3 Credit Hours
(Slashed with CI 85055) The analysis, development and design of curricular theory and practice in physical education and sport. An examination of current and future issues in curriculum implementation.
Prerequisite: graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 6507  MOTOR SKILL ACQUISITION AND PERFORMANCE  3 Credit Hours
Examination of contemporary motor learning and control theories and laboratory experiences, with emphasis upon motor skill acquisition and performance as studied experimentally. Laboratory included.
Prerequisite: graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 65025  CONTEMPORARY ISSUES IN SPORT PEDAGOGY - AN INTERNATIONAL PERSPECTIVE  3 Credit Hours
(Slashed with CI 85025) An international perspective on the investigation and study of current problems, issues and trends in sport pedagogy.
Prerequisite: graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
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**Course Descriptions**

- **CI 65592 PRACTICUM IN ADAPTED PHYSICAL EDUCATION**: (Repeatable for credit) (Cross-listed with CI 75592) Supervised and supervisory experiences in motor development for all ages and abilities, including conceptual bases for assessment and individualized task analysis.
- **CI 65692 INTERNSHIP IN ATHLETIC COACHING**: (Repeatable for a maximum of 4 credits) Supervised experience in organized sport focused upon the duties of a coach; can involve one or more level (youth, school, college, professional) and sport. A focus on the philosophy, skills, strategies and tactics of coaching within contemporary society. 45 contact hours per credit.
- **CI 67001 FUNDAMENTALS OF CURRICULUM**: (Cross-listed with CI 77001) Orientation to the curriculum field. Theoretical examination of foundations, elements, design and development of school, college and nonschool curricula.
- **CI 67002 CURRICULUM LEADERSHIP**: (Cross-listed with CI 77002) This course explores the theories and practices of curriculum leadership with reference to the current politics of education and the democratic ideals of information-age, pluralistic societies. Mandated accountability reform is critically compared to invited professional renewal.
- **CI 67003 TEACHER EDUCATION**: (Cross-listed with CI 77003) This course is designed to provide a broad overview of teacher education, including curriculum, organization, governance and policy.
- **CI 67004 PROFESSIONAL DEVELOPMENT IN TEACHING**: (Cross-listed with CI 77004) This course is designed to provide a broad overview and conceptual framework for professional development; its historical, cultural, psychological and social contexts.
- **CI 67005 INTERCULTURAL DIMENSIONS OF TEACHING AND LEARNING**: (Cross-listed with CI 77005) Increasing intercultural interaction in schools and communities across the nation and around the world are prompting educational changes in terms of what is being taught and how it is being taught. Educators at all levels are increasingly being called upon to enhance their own intercultural competence and to consider how best to translate this to students in their charge. Addresses teaching and learning in the intercultural K-16 context.
- **CI 67007 CRITICAL REFLECTION IN CURRICULUM AND INSTRUCTION**: Capstone course for a master’s degree in curriculum and instruction. Students critique their content area studies with reference to the standard of curriculum-based pedagogy. Three concepts inform this critique: continuing professional development, multicultural education, curriculum leadership for reform and renewal.
- **CI 67010 CURRICULUM EVALUATION**: (Cross-listed with CI 77010) This course is designed to help students learn to plan for and use a variety of techniques to gather information in systematic ways, across different phases of curriculum planning, development, implementation, and evaluation to enhance decision-making processes. Students will develop evaluation questions around a curriculum or program of their choice and then design a detailed evaluation plan.
- **CI 67092 ADVANCED PRACTICUM AND INTERNSHIP IN CURRICULUM AND INSTRUCTION**: (Repeatable for credit) (Cross-listed with CI 77092) Supervised practicum in curriculum design, development, implementation, and/or leadership. Planned with and directed by a graduate faculty member. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which student teaching-internship will take place.
CI 67095 SPECIAL TOPICS IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours
(Repeatable for credit) (Cross-listed with CI 77095) Specialized offerings in response to emerging or selected program needs in curriculum design, development and implementation.
Prerequisite: Graduate standing and special approval.
Schedule Type: Lecture
Contact Hours: 1-5 lecture
Grade Mode: Standard Letter

CI 67096 INDIVIDUAL INVESTIGATION IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours
(Repeatable for credit) (Cross-listed with CI 77096) Directed independent reading and/or research of special interest or need in student's program. Planned with and directed by a graduate faculty member.
Prerequisite: Graduate standing and special approval.
Schedule Type: Individual Investigation
Contact Hours: 1-5 other
Grade Mode: Satisfactory/Unsatisfactory-IP

CI 67098 RESEARCH IN CURRICULUM AND INSTRUCTION 1-15 Credit Hours
(Repeatable for credit) Students pursue an individualized research project on a specialized topic with approval and under direction of instructor.
Prerequisite: Graduate standing and special approval.
Schedule Type: Research
Contact Hours: 1-15 other
Grade Mode: Satisfactory/Unsatisfactory-IP

CI 67105 IMPROVING CLASSROOM INSTRUCTION 3 Credit Hours
(Cross-listed with CI 77105) Emphasizes motivation, varied materials and methods, individual needs and sources of teacher help. Class members define goals and means.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 67107 CURRICULUM AND ORGANIZATION IN THE MIDDLE GRADES 3 Credit Hours
(Cross-listed with CI 77107) This course is designed to enhance knowledge, skills, and dispositions about curriculum history and organization of middle level schools (grades 4-9) that is developmentally responsive to early adolescents, and promotes student achievement and equity. Additionally, this course is designed to extend knowledge, skills, techniques, and professional dispositions as related to middle school students’ experiences, and differentiate curriculum and assessment for diverse learners.
Prerequisite: graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 67108 TEACHING AND LEARNING IN THE MIDDLE GRADES 3 Credit Hours
(Slashed with CI 77108) This course will emphasize theories of learning and teaching and their application to teaching in middle childhood classrooms with a diversity of learners. Major class topics include lesson planing, teaching strategies, assessment, classroom management, and effective classroom instructions. In a concurrent clinical field experience, teacher candidates will apply teaching methods in intermediate-middle school classrooms.
Prerequisite: graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 67224 TEACHING MATHEMATICS USING COMPUTERS AND CALCULATORS 3 Credit Hours
(Cross-listed with CI 77224) The purpose is to develop knowledge of research and theories regarding teaching and learning mathematics via computing devices. Further to develop proficiency in the use of computing devices and software that would be used in the teaching and learning of mathematics.
Prerequisite: graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 67225 RESEARCH IN MATHEMATICS EDUCATION 3 Credit Hours
(Cross-listed with CI 77225) Current research theory, methodology and results in mathematics education will be investigated. Implications for instructional practice and curriculum design will be examined.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 67226 IMPROVING MATHEMATICS INSTRUCTION IN MIDDLE CHILDHOOD 3 Credit Hours
(Cross-listed with CI 77226) Instructional psychology and materials including technology for the effective teaching of mathematics in grade three through eight with a theoretical emphasis on cognitive development.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 67227 ASSESSMENT IN MATHEMATICS EDUCATION 2 Credit Hours
(Cross-listed with CI 77227) Investigation of standards and practices in mathematical assessments as recommended by NCTM and current research. Graduate standing.
Prerequisite: Completion of 2 of the following: ADED 52267, CI 67224, CI 67226 or ECED 50147.
Schedule Type: Lecture
Contact Hours: 2 lecture
Grade Mode: Standard Letter
CI 67228  INTERVENTION IN MATHEMATICS INSTRUCTION  2 Credit Hours  
(Cross-listed with CI 77228) Investigation of alternative methods of teaching mathematics to diverse learners who experience difficulties in learning mathematics. Graduate standing.  
Prerequisite: Completion of 2 of the following: ADED 52267, CI 67224, CI 67226 or ECED 50147.  
Schedule Type: Lecture  
Contact Hours: 2 lecture  
Grade Mode: Standard Letter  

CI 67240  INTRODUCTION TO ENVIRONMENTAL EDUCATION  3 Credit Hours  
(Cross-listed with CI 77240) Survey course emphasizes current debates in environmental issues, exploring the interconnectedness of ecology, understanding the impact of culture and education on notions of environmental concerns, and how these ideas can be investigated within classroom contexts. The course is designed for teachers, science educators and other concerned citizens of the earth.  
Prerequisite: Graduate standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 67292  PRACTICUM IN MATHEMATICAL ASSESSMENT  2 Credit Hours  
(Cross-listed with CI 77292) (Repeatable for credit) Experience in designing and administering both formal and informal assessments. Graduate standing.  
Prerequisite: Completion of 2 of the following: ADED 52267, CI 67224, CI 67226 or ECED 50147.  
Schedule Type: Practicum or Internship  
Contact Hours: 6 other  
Grade Mode: Standard Letter  

CI 67310  THEORY AND PRACTICE IN THE TEACHING OF READING  3 Credit Hours  
(Cross-listed with CI 77310) Nature and development of reading, approaches to instruction, relation to learning and development. Graduate standing.  
Prerequisite: Graduate standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 67312  TEACHING WRITING AS A PROCESS  3 Credit Hours  
(Cross-listed with CI 77312) Emphasizes a process approach to writing instruction in grades K through 12. Examines the steps and studies of composing, evaluation and components of a school wide program.  
Prerequisite: Graduate standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 67314  SURVEY OF YOUNG ADULT LITERATURE  3 Credit Hours  
(Cross-listed with CI 77314) Presents a survey of selected types of literature appropriate for students in middle school, junior high and high school. Emphasis on evaluating, selecting and teaching.  
Prerequisite: Graduate standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 67315  SURVEY OF CHILDREN'S LITERATURE  3 Credit Hours  
(Cross-listed with CI 77315 and ENG 66052 and ENG 76052) Wide reading in children's literature, with particular application to school curriculum and field of reading.  
Prerequisite: Graduate standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 67318  TEACHING DRAMA IN THE CLASSROOM  3 Credit Hours  
(Cross-listed with CI 77318) Presents an in-depth survey of selected types of drama appropriate for elementary and middle school children. Theory and practice are emphasized.  
Prerequisite: Graduate standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 67330  READING IN CONTENT AREAS  3 Credit Hours  
(Cross-listed with CI 77330) Information and competencies for improving students' reading and studying in the content areas. Focus on intermediate grades through postsecondary years.  
Prerequisite: Graduate standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 67337  THEORY AND PRACTICE OF TEACHING LITERATURE-SECONDARY AND COLLEGE  3 Credit Hours  
(Cross-listed with CI 77337) This course provides a rationale for and means of relating literary theory to classroom practice and pedagogical research. For secondary and post secondary English teachers.  
Prerequisite: Graduate standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 67339  WRITING ASSESSMENT AND RESPONSE  3 Credit Hours  
(Cross-listed with CI 77339) Exploration of issues in writing assessment, theoretical base for effective formative response to student writing and design, and implementation of writing assessment measures.  
Prerequisite: Graduate standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter
CI 67319 PERSPECTIVES ON LITERACY RESEARCH 3 Credit Hours
(Cross-listed with CI 77319) Inquiry into basic concepts and agendas for research through a study of historical, landmark and ground-breaking studies in literacy.
Prerequisite: Reading specialization (READ) major and graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
CI 67351 LITERACY COACHING 3 Credit Hours
(Cross-listed with CI 77351) Focus on principles and strategies related to literacy coaching in schools.
Prerequisite: CI 67310 or 77310; and 67319 or 77319; and 77323; and 67330 or 77330; and MCED 50005 and graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
CI 67352 LITERACY COACHING 3 Credit Hours
(Cross-listed with CI 77352) Focus on principles and strategies related to literacy coaching in schools.
Prerequisite: CI 67310 or 77310; and 67319 or 77319; and 77323; and 67330 or 77330; and MCED 50005 and graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
CI 67353 MULTICULTURAL VOICES IN TEACHING CHILDREN'S AND YOUNG ADULT LITERATURE 3 Credit Hours
(Cross-listed with CI 77353) Exploring diverse voices in children's and young adult literature in K-12 literacy classrooms to support culturally responsive teaching and learning and broaden student understandings of diversity Ed. or M.A. in Reading Specialization (READ) major.
Prerequisite: M.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
CI 67392 ADVANCED PRACTICUM AND INTERNSHIP IN READING 1-10 Credit Hours
(Repeatable for credit) (Cross-listed with CI 77392) Supervised program requiring application of theory and practices in reading in field settings. Planned with and directed by a graduate faculty member. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of the semester in which student teaching/internship will take place.
Prerequisite: Graduate standing and special approval.
Schedule Type: Practicum or Internship
Contact Hours: 3-30 other
Grade Mode: Standard Letter
CI 67395 SPECIAL TOPICS IN READING 1-5 Credit Hours
(Repeatable for credit) (Cross-listed with CI 77395) Specialized offerings in response to emerging or selected program needs in reading.
Prerequisite: Graduate standing and special approval.
Schedule Type: Lecture
Contact Hours: 1-5 lecture
Grade Mode: Standard Letter
CI 67396 INDIVIDUAL INVESTIGATION IN READING AND LANGUAGE ARTS 1-5 Credit Hours
(Repeatable for credit) (Cross-listed with CI 77396) Directed independent reading and/or research of special interest or need in student's program. Planned with and directed by a graduate faculty member.
Prerequisite: Graduate standing and special approval.
Schedule Type: Individual Investigation
Contact Hours: 1-5 other
Grade Mode: Satisfactory/Unsatisfactory-IP
CI 67517 NEW LITERACIES IN PRACTICE 3 Credit Hours
(Cross-listed with CI 87517) Developing technologies are changing the very definition of "literacy." Designed to provide an overview of current (and past) theory and practices related to the growing line of inquiry known as "new literacies." Participants of the class will follow their own paths of inquiry related to the question: How is our definition of "literacy" changing? Participants engage in discussions of theoretical positions related to this question (from perspectives as "new literacies," "multiliteracies," and "arts-based knowing" to name a few) as well as encounter such "nuts and bolts" information as how to set up a blog or a wiki and basics of video editing. Appropriate for any educator who is interested in examining how "new literacies" are transforming our classrooms.
Prerequisite: graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
CI 67592 PRACTICUM MATH INTERVENTION 3 Credit Hours
(Repeatable for credit) (Cross-listed with CI 77592) Experience in providing leadership in designing intervention programs for schools, and designing curriculum and instruction for individual learners that experience difficulties in learning mathematics.
Prerequisite: Graduate standing.
Schedule Type: Practicum or Internship
Contact Hours: 9 other
Grade Mode: Standard Letter
CI 67692 CLINICAL PRACTICUM IN CORRECTIVE READING 4 Credit Hours
(Cross-listed with CI 77692) Application of previous courses includes supervised diagnostic/prescriptive reading work with school-age pupils and diagnostic/remedial reporting. Graduate standing.
Prerequisite: CI 67319.
Schedule Type: Practicum or Internship
Contact Hours: 12 other
Grade Mode: Satisfactory/Unsatisfactory-IP
CI 67791 SEMINAR IN MATHEMATICS EDUCATION 3 Credit Hours
(Repeatable for credit) An in-depth exploration of the theoretical frameworks and methodologies used in current research in mathematics education will be conducted.
Prerequisite: Graduate standing.
Schedule Type: Seminar
Contact Hours: 3 other
Grade Mode: Standard Letter
CI 70093 VARIABLE TITLE WORKSHOP IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours
(Repeatable for credit) (Cross-listed with CI 40093 and CI 50093) Variable topic workshop designed to respond to curriculum trends and issues, and specialized needs.
Prerequisite: Doctoral standing and special approval.
Schedule Type: Workshop
Contact Hours: 3 other
Grade Mode: Satisfactory/Unsatisfactory
CI 71124    EDUCATING THE GOOD CITIZEN    3 Credit Hours
(Slashed with CI 61124) This course will explore these competing conceptions of citizenship education through an examination and critique of the diverse perspectives on the purposes and possibilities of citizenship education—including the contributions and influence of multicultural, international and theoretical perspectives on the meaning of educating citizens in a democracy—situating work, thinking, and practice in the literature. As part of our process of reading, discussing and deliberating together, students will articulate a rationale for citizenship education and develop ways to incorporate their vision for citizenship education into your work as teacher educators, practicing social studies teachers and-or community members.
Prerequisite: doctoral standing.
Schedule Type: Seminar
Contact Hours: 3 other
Grade Mode: Standard Letter

CI 71125    ISSUES AND TRENDS IN SOCIAL STUDIES EDUCATION    3 Credit Hours
(Cross-listed with CI 61125) This course will provide an overview of historical trends and contemporary issues in social studies education.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 71126    RESEARCH IN SOCIAL STUDIES TEACHING AND LEARNING    3 Credit Hours
(Cross-listed with CI 61126) During this course students will examine, discuss and study research in the teaching and learning of social studies as well as develop their own study of social studies teaching and learning.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 71127    TECHNOLOGY AND SOCIAL STUDIES    3 Credit Hours
(Cross-listed with CI 61127) Course provides experiences with and study of various uses of technology in social studies teaching and learning. During the course we will examine implications and effects of technology on student learning teaching and society as a whole.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 71130    MULTICULTURAL EDUCATION:STRATEGIES    3 Credit Hours
(Cross-listed with CI 61130) Teachers will be provided with knowledge and strategies for teaching children to function effectively in a pluralistic society.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 71133    ISSUES AND TRENDS IN ELEMENTARY SCIENCE    3 Credit Hours
(Cross-listed with CI 61133) New discoveries in science, including issues in society with direct science content. Emphasis is on practical and simple classroom applications.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 71134    RESEARCH TRENDS IN SCIENCE EDUCATION    3 Credit Hours
(Cross-listed with CI 61134) Course in issues relating to research methods pertinent to science education.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 71140    CULTURE AND MULTICULTURALISM IN SCIENCE EDUCATION    3 Credit Hours
(Cross-listed with CI 61140) This course provides a general introduction to the impacts of multiculturalism and the social studies of science on science education. Implications for science educational curriculum theory classroom practice and research are explored. Topics examined include race and gender in science education teaching the culture of science and teaching science in a global context.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 71141    NATURE OF SCIENCE IN SCIENCE EDUCATION    3 Credit Hours
(Cross-listed with CI 61141) Course in issues relating to the nature of science as it impacts science education.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 75007    MOTOR SKILL ACQUISITION AND PERFORMANCE    3 Credit Hours
Examination of contemporary motor learning and control theories and laboratory experiences, with emphasis upon motor skill acquisition and performance as studied experimentally. Laboratory included.
Prerequisite: doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 75043    SUPERVISION PROCESSES IN SPORT PEDAGOGY    3 Credit Hours
A course designed to enhance the ability to develop more effective teaching/learning environments through the use of systematic observation and application of supervisory theory.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 75592    PRACTICUM IN ADAPTED PHYSICAL EDUCATION    3 Credit Hours
(Repeatable for credit) (Cross-listed with CI 65592) Supervised and supervisory experiences in motor development for all ages and abilities, including conceptual bases for assessment and individualized task analysis.
Prerequisite: Special approval and doctoral standing.
Schedule Type: Practicum or Internship
Contact Hours: 9 other
Grade Mode: Standard Letter-S/U-IP
CI 77001  FUNDAMENTALS OF CURRICULUM  3 Credit Hours  
(Cross-listed with CI 67001) Orientation to the curriculum field. 
Theoretical examination of foundations elements design and 
development of school college and non school curricula.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter

CI 77002  CURRICULUM LEADERSHIP  3 Credit Hours  
Explores the theories and practices of curriculum leadership with 
reference to the current politics of education and the democratic ideals 
of information-age, pluralistic societies. Mandated accountability reform 
is critically compared to invited professional renewal. CI 77001 or 
compatible professional experience with fundamentals of curriculum 
work is recommended.  
Prerequisite: doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter

CI 77003  TEACHER EDUCATION  3 Credit Hours  
(Cross-listed with CI 67003) This course is designed to provide a broad 
overview of teacher education, including curriculum, organization, 
governance and policy.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter

CI 77004  PROFESSIONAL DEVELOPMENT IN TEACHING  3 Credit Hours  
(Cross-listed with CI 67004) This course is designed to provide a broad 
overview and conceptual framework for professional development, its 
historical, cultural, psychological and social contexts.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter

CI 77005  INTERCULTURAL DIMENSIONS OF TEACHING AND 
LEARNING  3 Credit Hours  
(Cross-listed with CI 67005) Increasing intercultural interaction in schools 
and communities across the nation and around the world are prompting 
educational changes in terms of what is being taught and how it is being 
taught. Educators at all levels are increasingly being called upon to 
have their own intercultural competence and to consider how best 
to translate this to students in their charge. Addresses teaching and 
learning in the intercultural K-16 context.  
Prerequisite: doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter

CI 77010  CURRICULUM EVALUATION  3 Credit Hours  
(Cross-listed with CI 67010) This course is designed to help students 
learn to plan for and use a variety of techniques to gather information 
in systematic ways, across different phases of curriculum planning, 
development, implementation, and evaluation to enhance decision- 
making processes. Students will develop evaluation questions around 
a curriculum or program of their choice and then design a detailed 
evaluation plan.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter

CI 7702  ADVANCED PRACTICUM IN CURRICULUM AND INSTRUCTION  
1-3 Credit Hours  
(Repeatable for credit) (Cross-listed with CI 67092) Supervised practicum 
in curriculum design, development, implementation, and-or leadership. 
Planned with and directed by a graduate faculty member. Students are 
required to complete Bureau of Criminal Investigation and Identification 
(BCII) and Federal Bureau of Investigation (FBI) background checks 
and submit the results to authorized personnel at their assigned 
schoolagency before the first day of the semester in which student 
teaching internship will take place.  
Prerequisite: doctoral standing and special approval.  
Schedule Type: Practicum or Internship  
Contact Hours: 3-9 other  
Grade Mode: Satisfactory/Unsatisfactory

CI 77095  SPECIAL TOPICS IN CURRICULUM AND INSTRUCTION  1-5 
Credit Hours  
(Repeatable for credit) (Cross-listed with CI 67095) Specialized offerings 
in response to emerging or selected program needs in curriculum design, 
development and implementation.  
Prerequisite: Doctoral standing and special approval.  
Schedule Type: Lecture  
Contact Hours: 1-5 lecture  
Grade Mode: Standard Letter

CI 77010  INDIVIDUAL INVESTIGATION IN CURRICULUM AND 
INSTRUCTION  1-5 Credit Hours  
(Repeatable for credit) (Cross-listed with CI 67010) Directed independent 
reading and/or research of special interest or need in student's program. 
Planned with and directed by a graduate faculty member.  
Prerequisite: Doctoral standing and special approval.  
Schedule Type: Individual Investigation  
Contact Hours: 1-5 other  
Grade Mode: Satisfactory/Unsatisfactory-IP

CI 77105  IMPROVING CLASSROOM INSTRUCTION  3 Credit Hours  
(Cross-listed with CI 67105) Emphasizes motivation, varied materials and 
methods individual needs and sources of teacher help. Class members 
define goals and means.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter
CI 77107  CURRICULUM AND ORGANIZATION IN THE MIDDLE GRADES  
3 Credit Hours  
(Slashed with CI 67107) This course is designed to enhance knowledge, skills, and dispositions about curriculum history and organization of middle level schools (grades 4-9) that is developmentally responsive to early adolescents, and promotes student achievement and equity. Additionally, this course is designed to extend knowledge, skills, techniques, and professional dispositions as related to middle school students' experiences, and differentiate curriculum and assessment for diverse learners.  
Prerequisite: doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77108  TEACHING AND LEARNING IN THE MIDDLE GRADES  
3 Credit Hours  
(Slashed with CI 67108) This course will emphasize theories of learning and teaching and their application to teaching in middle childhood classrooms with a diversity of learners. Major class topics include lesson planning, teaching strategies, assessment, curriculum management, and effective classroom instructions. In a concurrent clinical field experience, teacher candidates will apply teaching methods in intermediate-middle school classrooms.  
Prerequisite: doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77224  TEACHING MATHEMATICS USING COMPUTERS AND CALCULATORS  
3 Credit Hours  
(Cross-listed with CI 67224) The purpose is to develop knowledge of research and theories regarding teaching and learning mathematics via computing devices. Further to develop proficiency in the use of computing devices and software that would be used in the teaching and learning of mathematics.  
Prerequisite: doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77225  RESEARCH IN MATHEMATICS EDUCATION  
3 Credit Hours  
(Cross-listed with CI 67225) Current research theory, methodology and results in mathematics education will be investigated. Implications for instructional practice and curriculum design will be examined.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77226  IMPROVING MATHEMATICS INSTRUCTION IN MIDDLE CHILDHOOD  
3 Credit Hours  
(Cross-listed with CI 67226) Instructional psychology and materials including technology for the effective teaching of mathematics in grade three through eight with a theoretical emphasis on cognitive development.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77227  ASSESSMENT IN MATHEMATICS EDUCATION  
2 Credit Hours  
(Cross-listed with CI 67227) Investigation of standards and practices in mathematical assessments as recommended by NCTM and current research. Doctoral standing.  
Prerequisite: Completion of 2 of the following: ADED 52267, CI 67224, CI 67226, or ECED 50147.  
Schedule Type: Lecture  
Contact Hours: 2 lecture  
Grade Mode: Standard Letter  

CI 77228  INTERVENTION IN MATHEMATICS INSTRUCTION  
2 Credit Hours  
(Cross-listed with CI 67228) Investigation of alternative methods of teaching mathematics to diverse learners who experience difficulties in learning mathematics. Doctoral standing.  
Prerequisite: Completion of 2 of the following: ADED 52267, CI 67224, CI 67226, or ECED 50147.  
Schedule Type: Lecture  
Contact Hours: 2 lecture  
Grade Mode: Standard Letter  

CI 77240  INTRODUCTION TO ENVIRONMENTAL EDUCATION  
3 Credit Hours  
(Cross-listed with CI 67240) Survey course emphasizing current debates in environmental issues, exploring the interconnectedness of ecology, understanding the impact of culture and education on notions of environmental concerns, and how these ideas can be investigated within classroom contexts. The course is designed for teachers, science educators and other concerned citizens of the earth.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77292  PRACTICUM IN MATHEMATICAL ASSESSMENT  
2 Credit Hours  
(Repeatable for credit) (Cross-listed with CI 67292) Experience in designing and administering both formal and informal assessments. Doctoral standing.  
Prerequisite: Completion of 2 of the following: ADED 52267, CI 67224, CI 67226, or ECED 50147.  
Schedule Type: Practicum or Internship  
Contact Hours: 6 other  
Grade Mode: Standard Letter  

CI 77310  THEORY AND PRACTICE IN THE TEACHING OF READING  
3 Credit Hours  
(Cross-listed with CI 67310) Nature and development of reading, approaches to instruction, relation to learning and development.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77312  TEACHING WRITING AS A PROCESS  
3 Credit Hours  
(Cross-listed with CI 67312) Emphasizes a process approach to writing instruction in grades K through 12. Examines the steps and studies of composing evaluation and components of a school-wide program.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter
CI 77314  SURVEY OF YOUNG ADULT LITERATURE  3 Credit Hours  
(Cross-listed with CI 67314) Presents a survey of selected types of literature appropriate for students in middle school, junior high and high school. Emphasis on evaluating, selecting and teaching.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77315  SURVEY OF CHILDREN'S LITERATURE  3 Credit Hours  
(Cross-listed with CI 67315 and ENG 66052 and ENG 76052) Wide reading in children's literature, with particular application to school curriculum and field of reading.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77318  TEACHING DRAMA IN THE CLASSROOM  3 Credit Hours  
(Cross-listed with CI 67318) Presents an in-depth survey of selected types of drama appropriate for elementary and middle school children. Theory and practice are emphasized.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77319  DIAGNOSIS AND REMEDIATION IN READING  3 Credit Hours  
(Cross-listed with CI 67319) Theory and application of diagnostic principles and remedial reading approaches with school-age children. Cultural linguistic cognitive and affective factors in diagnosing and remediating reading problems. Doctoral standing.  
Prerequisite: CI 6/77310.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77330  READING IN CONTENT AREAS  3 Credit Hours  
(Cross-listed with CI 67330) Information and competencies for improving students’ reading and studying in the content areas. Focus on intermediate grades through postsecondary years.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77337  THEORY AND PRACTICE IN TEACHING LITERATURE-SECONDARY AND COLLEGE  3 Credit Hours  
(Cross-listed with CI 67337) This course provides a rationale for and means of relating literary theory to classroom practice and pedagogical research. For secondary and post secondary English teachers.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77339  WRITING ASSESSMENT AND RESPONSE  3 Credit Hours  
(Cross-listed with CI 67339) Exploration of issues in writing assessment, theoretical base for effective formative response to student writing, and design and implementation of writing assessment measures.  
Prerequisite: Doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77351  PERSPECTIVES ON LITERACY RESEARCH  3 Credit Hours  
(Cross-listed with CI 67351) Inquiry into basic concepts and agendas for research through a study of historical, landmark and ground-breaking studies in literacy.  
Prerequisite: Curriculum and instruction (CI) major and doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77352  LITERACY COACHING  3 Credit Hours  
(Cross-listed with CI 67352) Focus on principles and strategies related to literacy coaching, p--adult, within classrooms, schools and districts.  
Prerequisite: CI 67310 or CI 77310; and CI 67319 or CI 77319; and CI 67323 or CI 77323; and CI 67330 or CI 77330; and MCED 50005; and doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77353  MULTICULTURAL VOICES IN TEACHING CHILDREN'S AND YOUNG ADULT LITERATURE  3 Credit Hours  
(Cross-listed with CI 67353) Exploring diverse voices in children's and young adult literature in K-12 literacy classrooms to support culturally responsive teaching and learning and broaden student understandings of diversity.  
Prerequisite: doctoral standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

CI 77392  ADVANCED PRACTICUM AND INTERNSHIP IN READING 1-10 Credit Hours  
(Repeatable for credit) (Cross-listed with CI 67392) Supervised program requiring application of theory and practices in reading in field settings. Planned with and directed by a graduate faculty member. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of the semester in which student teaching/internship will take place.  
Prerequisite: Doctoral standing and special approval.  
Schedule Type: Practicum or Internship  
Contact Hours: 3-30 other  
Grade Mode: Standard Letter  

CI 77395  SPECIAL TOPICS IN READING  1-5 Credit Hours  
(Repeatable for credit) (Cross-listed with CI 67395) Specialized offerings in response to emerging or selected program needs in reading.  
Prerequisite: Doctoral standing and special approval.  
Schedule Type: Lecture  
Contact Hours: 1-5 lecture  
Grade Mode: Standard Letter  

CI 77396  INDIVIDUAL INVESTIGATION IN READING AND LANGUAGE ARTS  1-5 Credit Hours  
(Repeatable for credit) (Cross-listed with CI 67396) Directed independent reading and/or research of special interest or need in student's program. Planned with and directed by a graduate faculty member.  
Prerequisite: Doctoral standing and special approval.  
Schedule Type: Individual Investigation  
Contact Hours: 1-5 other  
Grade Mode: Satisfactory/Unsatisfactory/IP
CI 77592 PRACTICUM MATH INTERVENTION 3 Credit Hours
(Repeatable for credit) (Cross-listed with CI 67592) Experience in providing leadership in designing intervention programs for schools, and designing curriculum and instruction for individual learners that experience difficulties in learning mathematics. Doctoral standing.
Prerequisite: ADED 52267, CI 67224 and 67226, ECED 50147.
Schedule Type: Practicum or Internship
Contact Hours: 9 other
Grade Mode: Standard Letter

CI 77692 CLINICAL PRACTICUM IN CORRECTIVE READING 4 Credit Hours
(Cross-listed with CI 67323) Application of previous courses includes supervised diagnostic/prescriptive reading work with school-age pupils and diagnostic/remedial reporting.
Prerequisite: CI 67319 and doctoral standing.
Schedule Type: Practicum or Internship
Contact Hours: 12 other
Grade Mode: Satisfactory/Unsatisfactory-IP

CI 77791 SEMINAR IN MATHEMATICS EDUCATION 3 Credit Hours
(Repeatable for credit) An in-depth exploration of the theoretical frameworks and methodologies used in current research in mathematics education will be conducted.
Prerequisite: Doctoral standing.
Schedule Type: Seminar
Contact Hours: 3 other
Grade Mode: Standard Letter

CI 80089 RESIDENCY I 3 Credit Hours
Beginning doctoral seminar. Students begin to explore the field of curriculum and instruction by reading and discussing foundational and current theories and research in the field. Students will begin to identify and explore their research interests in the field.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Satisfactory/Unsatisfactory

CI 80090 RESIDENCY II 3 Credit Hours
Advanced doctoral seminar. This will be a structured opportunity for students to synthesize research from the field, explore research options for their dissertation study, review literature for their research studies and discuss the development of their research.
Prerequisite: CI 80089; doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Satisfactory/Unsatisfactory

CI 80199 DISSERTATION I 15 Credit Hours
(Repeatable for credit) Doctoral dissertation for which registration in at least two semesters is required, first of which will be semester in which dissertation work is begun and continuing until the completion of 30 hours.
Prerequisite: Doctoral standing.
Schedule Type: Dissertation
Contact Hours: 15 other
Grade Mode: Satisfactory/Unsatisfactory-IP

CI 80299 DISSERTATION II 15 Credit Hours
(Repeatable for credit) Continuing registration required of doctoral students who have completed the initial 30 hours of dissertation and continuing until all degree requirements are met.
Prerequisite: Doctoral standing; CI 80199.
Schedule Type: Dissertation
Contact Hours: 15 other
Grade Mode: Satisfactory/Unsatisfactory-IP

CI 85025 CONTEMPORARY ISSUES IN SPORT PEDAGOGY - AN INTERNATIONAL PERSPECTIVE 3 Credit Hours
(Slashed with CI 65025) An international perspective on the investigation and study of current problems, issues and trends in sport pedagogy.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 85037 ADAPTED PHYSICAL EDUCATION 3 Credit Hours
This online course is designed to prepare physical education teachers to provide safe, appropriate, and individualized accommodations to students with disabilities. All information presented is structured around research-based and cross-culturally appropriate practices in adapted physical education that have been implemented in physical education programs globally. This web-based program includes lecture notes, supplemental readings, and video clips.
Prerequisite: doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 85044 PEDAGOGICAL ANALYSIS OF PHYSICAL EDUCATION AND SPORT 3 Credit Hours
(Slashed with CI 65044) An analysis of contemporary pedagogical models, practices and theories relevant to the multidimensional environments of physical education and sport.
Prerequisite: doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 85055 CURRICU DEVELOP SPORT PEDAGOGY 3 Credit Hours
(Slashed with CI 65055) The analysis, development and design of curricular theory and practice in physical education and sport. An examination of current and future issues in curriculum implementation.
Prerequisite: doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 87000 THEORY AND RESEARCH IN TEACHING 3 Credit Hours
Focuses on critical study of contrasting approaches to the study of teaching processes. Surveys issues to give students a more critical perspective and to provoke thought about the relationship among theory research and practice. Required of Curriculum and Instruction Ph.D. students.
Prerequisite: Doctoral standing and special approval.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
CI 87001 THEORY AND RESEARCH IN CURRICULUM 3 Credit Hours
Focuses on historic and contemporary examples of curriculum theory and their application in curriculum design, development and evaluation. Examines modes of inquiry used by curriculum researchers and contemporary curriculum issues. Required of CI Ph.D students. Doctoral standing.
Prerequisite: CI 6/77001.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 87002 FORMS OF INQUIRY IN CURRICULUM AND INSTRUCTION 3 Credit Hours
Introduction to the history, context, philosophy and ethics of inquiry in curriculum and instruction. Emphasis on acquainting Curriculum and Instruction doctoral students with faculty lines of inquiry and research foci while preparing doctoral students for critical consumption of and significant contribution to inquiry in curriculum and instruction.
Prerequisite: Doctoral standing.
Schedule Type: Research
Contact Hours: 3 other
Grade Mode: Standard Letter

CI 87091 SEMINAR IN CURRICULUM AND INSTRUCTION 1-4 Credit Hours
(Repeatable for credit) (Cross-listed with CI 67091) A wide range of topics for advanced graduate inquiry. Normally a balance of theoretical study and creative application.
Prerequisite: Doctoral standing and instructor's special approval.
Schedule Type: Seminar
Contact Hours: 1-4 other
Grade Mode: Standard Letter-IP

CI 87098 RESEARCH IN CURRICULUM AND INSTRUCTION 1-15 Credit Hours
(Repeatable for credit)Students pursue an individualized research project on a specialized topic with approval and under direction of instructor.
Prerequisite: Doctoral standing and special approval.
Schedule Type: Research
Contact Hours: 1-15 other
Grade Mode: Satisfactory/Unsatisfactory-IP

CI 87340 RESEARCH IN READING 3 Credit Hours
An introduction to a perspective on psychological processes underlying levels of reading from prereading to mature reading with implications for instruction.
Prerequisite: Doctoral standing and special approval.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 87342 SEMINAR IN READING AND LANGUAGE 3 Credit Hours
Exploration of some of the issues, methods and findings on the relationship of reading and language. Examination of selected issues such as dialect bilingualism readability language based-strategies for reading instruction.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 87343 RESEARCH IN TEACHING OF WRITING 3 Credit Hours
Issues and methodologies in research in the teaching of writing. Students will review the literature and conduct research in a significant area of writing instruction.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 87391 SEMINAR IN READING 1-4 Credit Hours
(Repeatable for credit)Variable topic seminar for advanced study of specialized areas and topics. Normally designed around research and theory applied to practice.
Prerequisite: Doctoral standing and special approval.
Schedule Type: Seminar
Contact Hours: 3 other
Grade Mode: Standard Letter

CI 87398 RESEARCH IN READING AND LANGUAGE ARTS 1-15 Credit Hours
(Repeatable for credit)Students pursue an individualized research project on a specialized topic with approval and under direction of instructor.
Prerequisite: Doctoral standing and special approval.
Schedule Type: Research
Contact Hours: 1-15 other
Grade Mode: Standard Letter

CI 87517 NEW LITERACIES IN PRACTICE 3 Credit Hours
(Cross-listed with CI 67517) Developing technologies are changing the very definition of "literacy." Course designed to provide an overview of current (and past) theory and practices related to the growing line of inquiry known as "new literacies." Participants of the class follow their own paths of inquiry related to the question: How is our definition of "literacy" changing? Participants engage in discussions of theoretical positions related to this question (from perspectives as "new literacies," "multiliteracies," and "arts-based knowing" to name a few) as well as encounter such "nuts and bolts" information as how to set up a blog or a wiki and basics of video editing. Appropriate for any educator who is interested in examining how "new literacies" are transforming our classrooms.
Prerequisite: doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 87791 DOCTORAL SEMINAR IN MATHEMATICS EDUCATION 1-3 Credit Hours
(Repeatable for a maximum of 12 credit hours) Doctoral Seminar in Math Education. Faculty adviser recommendation required for registration.
Prerequisite: Doctoral standing and CI major.
Schedule Type: Seminar
Contact Hours: 1-3 other
Grade Mode: Standard Letter