CURRICULUM AND INSTRUCTION (CI)

CI 40093 VARIABLE TITLE WORKSHOP IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours
(Repeatability for credit) Variable topic workshop designed to respond to curriculum trends and issues and specialized needs.
Prerequisite: Special approval.
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) Topic varies for each offering.
Prerequisite: Special approval.
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
(Repeatability for credit) Student-initiated experience to pursue an area of interest not covered by a regular course offering, with the guidance of a Kent State faculty member.
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
(Repeatability for credit) Student teaching topics vary for each offering.
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
(Repeatability 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 47501 TEACHING MATHEMATICS IN EARLY AND MIDDLE GRADES 3 Credit Hours
(Repeatability with CI 57501) Addresses pedagogical content knowledge for the teaching and learning of mathematics in grades K-9, based on the national content and process standards.
Prerequisite: MATH 14001 or MATH 14002 with a minimum C grade; and 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
(Repeatability with CI 57502) Addresses pedagogical content knowledge for the teaching and learning of science in grades K-9. 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
(Repeatability 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 TEACHING READING AND WRITING IN MIDDLE GRADES 3 Credit Hours
(Repeatability 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.
Prerequisite: Admission to advanced study.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 47505 INTEGRATED SOCIAL STUDIES AND SCIENCE 3 Credit Hours
(Repeatability with CI 57505) Addresses principles of teaching and learning as applied to teaching social studies and science in elementary and middle grades. 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
(Repeatability with CI 40093 and CI 70093) Variable topic workshop designed to respond to curriculum trends and issues and specialized needs.
Prerequisite: Graduate standing; and special approval.
Schedule Type: Workshop
Contact Hours: 1-5 other
Grade Mode: Satisfactory/Unsatisfactory

CI 50095 SPECIAL TOPICS: SEMINAR/WORKSHOP IN CURRICULUM AND INSTRUCTION 1 Credit Hour
(Repeatability for credit) Topics varies for each offering. Seminar workshop for International Baccalaureate program.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 1 lecture
Grade Mode: Satisfactory/Unsatisfactory-IP
CI 53093  VARIABLE TITLE WORKSHOP IN EXERCISE, LEISURE AND SPORT  1-3 Credit Hours
(Cross-listed with SRM 53093)(Repeatable for credit) Topics vary in exercise, leisure and sport studies. Maximum 4 credit 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
(Slashed 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
(Slashed with PEP 45020) 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
(Slashed 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.
Prerequisite: Physical Education Teacher Education concentration in the Curriculum and Instruction major; and graduate standing; and special approval.
Corequisite: CI 55053.
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.
Prerequisite: Graduate standing; and special approval.
Corequisite: CI 55051.
Schedule Type: Combined Lecture and Lab
Contact Hours: 2 lecture, 2 lab
Grade Mode: Standard Letter

CI 55058  SECONDARY SCHOOL PHYSICAL EDUCATION METHODS  3 Credit Hours
(Slashed with PEP 45058) 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.
Prerequisite: Graduate standing; and special approval.
Corequisite: CI 55059.
Schedule Type: Combined Lecture and Lab
Contact Hours: 2 lecture, 2 lab
Grade Mode: Standard Letter

CI 55059  SECONDARY SCHOOL PHYSICAL EDUCATION CONTENT  3 Credit Hours
(Slashed with PEP 45059) 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.
Prerequisite: Graduate standing; and special approval.
Corequisite: CI 55058.
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
(Slashed 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  TEACHING MATHEMATICS IN EARLY AND MIDDLE GRADES  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.
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
(Slashed with CI 47502) Addresses pedagogical content knowledge for the teaching and learning of science in grades K-9. Students 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
(Slashed with CI 47503) 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  TEACHING READING AND WRITING IN 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.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 57505  INTEGRATED 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 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) Course explores the 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 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
(Slashed with CI 71125) Provides 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
(Slashed with CI 71126) Students 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
(Slashed with CI 71127) Course provides experiences with and study of various uses of technology in social studies teaching and learning. Students 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
(Slashed with CI 71130) Course provides the 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
(Slashed 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
(Slashed 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  
(Slashed with CI 71140) 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. Teaching topics examined include race and gender in science education, culture of science and 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  
(Slashed 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 credit hours applied to the degree.  
Prerequisite: Graduate standing; and special approval.  
Schedule Type: Workshop  
Contact Hours: 1-3 other  
Grade Mode: Satisfactory/Unsatisfactory  
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  
CI 65037  ADAPTED PHYSICAL EDUCATION  
3 Credit Hours  
(Slashed with CI 85037) Course prepares 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.  
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 65392  ADVANCED PRACTICUM IN PHYSICAL EDUCATION  
10 Credit Hours  
(Repeatable for credit) A 16-week practicum in K-12 physical education, combining full-time student teaching and student teaching seminar. Students spend eight weeks student teaching at the preschool to fifth-grade level and then eight weeks at the sixth- to 12th-grade level. 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. Official certification of Child Safety Training, approved Basic Life Support and ALICE training must be presented to the campus office of clinical experience or designated faculty/staff at regional campuses as prerequisite for student teaching.  
Prerequisite: Graduate standing; and special approval.  
Schedule Type: Practicum or Internship, Seminar  
Contact Hours: 3 lecture, 32 other  
Grade Mode: Satisfactory/Unsatisfactory-IP  
CI 65592  PRACTICUM IN ADAPTED PHYSICAL EDUCATION  
3 Credit Hours  
(Repeatable for credit) A supervised and supervisory experiences in motor development for all ages and abilities, including conceptual bases for assessment and individualized task analysis.  
Prerequisite: Graduate standing; and special approval.  
Schedule Type: Practicum or Internship  
Contact Hours: 9 other  
Grade Mode: Standard Letter-IP  
CI 65692  INTERNSHIP IN ATHLETIC COACHING  
2-4 Credit Hours  
(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. 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: 6-12 other  
Grade Mode: Satisfactory/Unsatisfactory-IP  
CI 67001  FUNDAMENTALS OF CURRICULUM  
3 Credit Hours  
(Slashed with CI 77001) Orientation to the curriculum field. Theoretical examination of foundations, elements, design and development of school, college and non-school curricula.  
Prerequisite: Graduate standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter
CI 67002 CURRICULUM LEADERSHIP 3 Credit Hours
(Slashed with CI 77002) 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.
Prerequisite: CI 67001; and Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 67003 TEACHER EDUCATION 3 Credit Hours
(Slashed with CI 77003) Course provides a broad overview of teacher education, including curriculum, organization, governance and policy.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 67004 PROFESSIONAL DEVELOPMENT IN TEACHING 3 Credit Hours
(Slashed with CI 77004) Course provides a broad overview and conceptual framework for professional development; its historical, cultural, psychological and social contexts.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 67005 INTERCULTURAL DIMENSIONS OF TEACHING AND LEARNING 3 Credit Hours
(Slashed with CI 77005) Course addresses teaching and learning in the intercultural K-16 context. 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.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 67007 CRITICAL REFLECTION IN CURRICULUM AND INSTRUCTION 2 Credit Hours
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.
Prerequisite: CI 67001; and graduate standing.
Schedule Type: Lecture
Contact Hours: 2 lecture
Grade Mode: Standard Letter

CI 67010 CURRICULUM EVALUATION 3 Credit Hours
(Slashed with CI 77010) 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 develop evaluation questions around a curriculum or program of their choice and then design a detailed evaluation plan.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 67011 SEMINAR IN CURRICULUM AND INSTRUCTION 1-4 Credit Hours
(Slashed with CI 87011)(Repeatable for credit) A wide range of topics for advanced graduate inquiry. Normally, course provides a balance of theoretical study and creative application.
Prerequisite: Graduate standing; and special approval.
Schedule Type: Seminar
Contact Hours: 1-4 other
Grade Mode: Standard Letter-IP

CI 67012 ADVANCED PRACTICUM AND INTERNSHIP IN CURRICULUM AND INSTRUCTION 1-3 Credit Hours
(Repeatable for credit) 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.
Prerequisite: Graduate standing; and special approval.
Schedule Type: Practicum or Internship
Contact Hours: 1-3-9 other
Grade Mode: Satisfactory/Unsatisfactory

CI 67015 SPECIAL TOPICS IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours
(Slashed with CI 77015)(Repeatable for credit) 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 67016 INDIVIDUAL INVESTIGATION IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours
(Repeatable for credit) 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 67018 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
(Slashed 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
(Slashed with CI 77107) Course enhances students' knowledge, skills and dispositions about curriculum history and organization of middle schools (grades 4-9) that is developmentally responsive to early adolescents, and promotes student achievement and equity. In addition, students are able to extend their knowledge, skills, techniques and professional dispositions as related to middle school students' experiences, as well as to 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) Course emphasizes 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, classroom management and effective classroom instructions. In a concurrent clinical field experience, teacher candidates apply teaching methods in intermediate-middle school classrooms.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 67124 TEACHING MATHEMATICS USING COMPUTERS AND CALCULATORS 3 Credit Hours
(Slashed with CI 77124) Students develop knowledge of research and theories regarding teaching and learning mathematics via computing devices. Students 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 67125 RESEARCH IN MATHEMATICS EDUCATION 3 Credit Hours
(Slashed with CI 77125) Current research theory, methodology and results in mathematics education are investigated. Implications for instructional practice and curriculum design are 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
(Slashed with CI 77226) Instructional psychology and materials, including technology, for the effective teaching of mathematics in grades 3-8, 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
(Slashed with CI 77227) Investigation of standards and practices in mathematical assessments as recommended by current research and the National Council of Teachers of Mathematics.
Prerequisite: Two courses from the following: ADED 52267, CI 67224, CI 67226 and/or ECED 50147; and graduate standing.
Schedule Type: Lecture
Contact Hours: 2 lecture
Grade Mode: Standard Letter

CI 67228 INTERVENTION IN MATHEMATICS INSTRUCTION 2 Credit Hours
(Slashed with CI 77228) Investigation of alternative methods of teaching mathematics to diverse learners who experience difficulties in learning mathematics.
Prerequisite: Two courses from the following: ADED 52267, CI 67224, CI 67226 and/or ECED 50147; and graduate standing.
Schedule Type: Lecture
Contact Hours: 2 lecture
Grade Mode: Standard Letter

CI 67240 INTRODUCTION TO ENVIRONMENTAL EDUCATION 3 Credit Hours
(Slashed 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
(Repeatable for credit) Practicum experience in designing and administering both formal and informal assessments.
Prerequisite: Two courses from the following: ADED 52267, CI 67224, CI 67226 and/or ECED 50147; and graduate standing.
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
(Slashed with CI 77310) Nature and development of reading, approaches to instruction, relation to learning and development.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
CI 67312  TEACHING WRITING AS A PROCESS  3 Credit Hours
(Slashed with CI 77312) Course emphasizes a process approach to writing instruction in grades K-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
(Slashed 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
(Slashed with CI 77315) 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 67319  DIAGNOSIS AND REMEDIATION IN READING  3 Credit Hours
(Slashed with CI 77319) Theory and application of diagnostic principles and remedial reading approaches with school-age children. Cultural, linguistic, cognitive and effective factors in diagnosing and remediating reading problems.
Prerequisite: CI 67310; and graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 67320  TEACHER AS LITERACY RESEARCHER  3 Credit Hours
Capstone experience in master’s program in literacy in which students pursue an individualized literacy research program.
Prerequisite: CI 67351 or EVAL 65510 or EVAL 65511; and graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

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

CI 67339  WRITING ASSESSMENT AND RESPONSE  3 Credit Hours
(Slashed 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 67351  PERSPECTIVES ON LITERACY RESEARCH  3 Credit Hours
(Slashed with CI 77351) Inquiry into basic concepts and agendas for research through a study of historical, landmark and ground-breaking studies in literacy.
Prerequisite: Reading Specialization major; and graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 67352  LITERACY COACHING  3 Credit Hours
(Slashed with CI 77352) Focus on principles and strategies related to literacy coaching, within classrooms, schools and districts.
Prerequisite: CI 67310 and CI 67319 and CI 67330 and CI 67692 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
(Slashed 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.
Prerequisite: Reading Specialization major; and graduate standing.
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) Supervised practicum 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) 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) 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  
(Slashed 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 follow their own paths of inquiry related to the question: How is the definition of literacy changing? Participants engage in discussions of theoretical positions related to this question (from perspectives as new literacies, multi-literacies and arts-based knowing to name a few) as well as encounter the basics of creating a blog or wiki and editing video. Appropriate for any educator who is interested in examining how new literacies are transforming the classrooms.  
Prerequisite: Graduate standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter

CI 67592 PRACTICUM IN MATHEMATICS EDUCATION INTERVENTION  
3 Credit Hours  
(Repeatable for credit) 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  
Application of previous courses includes supervised diagnostic/prescriptive reading work with school-age pupils and diagnostic/remedial reporting.  
Prerequisite: CI 67319 and Graduate standing and special approval.  
Schedule Type: Practicum or Internship  
Contact Hours: 12 other  
Grade Mode: Standard Letter

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.  
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  
(Slashed with CI 40093 and CI 50093) (Repeatable for credit) 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) Course explores the 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 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: 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  
(Slashed with CI 61125) Provides 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  
(Slashed with CI 61126) Students 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  
(Slashed with CI 61127) Course provides experiences with and study of various uses of technology in social studies teaching and learning. Students 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  
(Slashed with CI 61130) Course provides the 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  
(Slashed 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
(Slashed 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
(Slashed with CI 61140) 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. Teaching topics examined include race and gender in science education, culture of science and 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
(Slashed 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 75592 PRACTICUM IN ADAPTED PHYSICAL EDUCATION 3 Credit Hours
(Repeatable for credit) Supervised and supervisory experiences in motor development for all ages and abilities, including conceptual bases for assessment and individualized task analysis.
Prerequisite: Doctoral standing; and special approval.
Schedule Type: Practicum or Internship
Contact Hours: 9 other
Grade Mode: Standard Letter-IP

CI 77001 FUNDAMENTALS OF CURRICULUM 3 Credit Hours
(Slashed 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
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. It is recommended that students complete CI 77001 or a compatible professional experience with fundamentals of curriculum work is before taking this course.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 77003 TEACHER EDUCATION 3 Credit Hours
(Slashed with CI 67003) Course provides 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
(Slashed with CI 67004) Course provides 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
(Slashed with CI 67005) Course addresses teaching and learning in the intercultural K-16 context. 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.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

CI 77010 CURRICULUM EVALUATION 3 Credit Hours
(Slashed with CI 67010) 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 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 77092 ADVANCED PRACTICUM IN CURRICULUM AND INSTRUCTION 1-3 Credit Hours
(Repeatable for credit) 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.
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  
(Slashed with CI 67095) (Repeatable for credit) 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 77096  INDIVIDUAL INVESTIGATION IN CURRICULUM AND INSTRUCTION  1-5 Credit Hours  
(Repeatable for credit) 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  
(Slashed 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) Course enhances students’ knowledge, skills and dispositions about curriculum history and organization of middle schools (grades 4-9) that is developmentally responsive to early adolescents, and promotes student achievement and equity. In addition, students are able to extend their knowledge, skills, techniques and professional dispositions as related to middle school students’ experiences, as well as to 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) Course emphasizes 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, classroom management and effective classroom instructions. In a concurrent clinical field experience, teacher candidates 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  
(Slashed with CI 67224) Students develop knowledge of research and theories regarding teaching and learning mathematics via computing devices. Students 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  
(Slashed with CI 67225) Current research theory, methodology and results in mathematics education are investigated. Implications for instructional practice and curriculum design are 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  
(Slashed with CI 67226) Instructional psychology and materials, including technology, for the effective teaching of mathematics in grades 3-8, 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  
(Slashed with CI 67227) Investigation of standards and practices in mathematical assessments as recommended by current research and the National Council of Teachers of Mathematics. 
**Prerequisite:** Two courses from the following: ADED 52267, CI 77224, CI 77226 and/or ECED 50147; and doctoral standing. 
**Schedule Type:** Lecture 
**Contact Hours:** 2 lecture 
**Grade Mode:** Standard Letter 

CI 77228  INTERVENTION IN MATHEMATICS INSTRUCTION  2 Credit Hours  
(Slashed with CI 67228) Investigation of alternative methods of teaching mathematics to diverse learners who experience difficulties in learning mathematics. 
**Prerequisite:** Two courses from the following: ADED 52267, CI 77224, CI 77226 and/or ECED 50147; and graduate standing. 
**Schedule Type:** Lecture 
**Contact Hours:** 2 lecture 
**Grade Mode:** Standard Letter 

CI 77240  INTRODUCTION TO ENVIRONMENTAL EDUCATION  3 Credit Hours  
(Slashed 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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
<th>Grade Mode</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>CI 77292</td>
<td>PRACTICUM IN MATHEMATICAL ASSESSMENT</td>
<td>2 Credit</td>
<td>Standard Letter</td>
<td>(Repeatable for credit) Practicum experience in designing and administering both formal and informal assessments. Prerequisite: Two courses from the following: ADED 52267, CI 77224, CI 77226 and/or ECED 50147; and doctoral standing. Schedule Type: Practicum or Internship Contact Hours: 6 other</td>
</tr>
<tr>
<td>CI 77310</td>
<td>THEORY AND PRACTICE IN THE TEACHING OF READING</td>
<td>3 Credit</td>
<td>Standard Letter</td>
<td>(Slashed 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</td>
</tr>
<tr>
<td>CI 77312</td>
<td>TEACHING WRITING AS A PROCESS</td>
<td>3 Credit</td>
<td>Standard Letter</td>
<td>(Slashed with CI 67312) Course emphasizes a process approach to writing instruction in grades K-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</td>
</tr>
<tr>
<td>CI 77314</td>
<td>SURVEY OF YOUNG ADULT LITERATURE</td>
<td>3 Credit</td>
<td>Standard Letter</td>
<td>(Slashed 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</td>
</tr>
<tr>
<td>CI 77315</td>
<td>SURVEY OF CHILDREN'S LITERATURE</td>
<td>3 Credit</td>
<td>Standard Letter</td>
<td>(Slashed with CI 67315) 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</td>
</tr>
<tr>
<td>CI 77319</td>
<td>DIAGNOSIS AND REMEDIATION IN READING</td>
<td>3 Credit</td>
<td>Standard Letter</td>
<td>(Slashed 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. Prerequisite: CI 77310; and doctoral standing. Schedule Type: Lecture Contact Hours: 3 lecture</td>
</tr>
<tr>
<td>CI 77330</td>
<td>READING IN CONTENT AREAS</td>
<td>3 Credit</td>
<td>Standard Letter</td>
<td>(Slashed with CI 67330) Information and competencies for improving students’ reading and studying in the content areas. Focus on intermediate grades through post-secondary years. Prerequisite: Doctoral standing. Schedule Type: Lecture Contact Hours: 3 lecture</td>
</tr>
<tr>
<td>CI 77339</td>
<td>WRITING ASSESSMENT AND RESPONSE</td>
<td>3 Credit</td>
<td>Standard Letter</td>
<td>(Slashed 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</td>
</tr>
<tr>
<td>CI 77351</td>
<td>PERSPECTIVES ON LITERACY RESEARCH</td>
<td>3 Credit</td>
<td>Standard Letter</td>
<td>(Slashed 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 major; and doctoral standing. Schedule Type: Lecture Contact Hours: 3 lecture</td>
</tr>
<tr>
<td>CI 77352</td>
<td>LITERACY COACHING</td>
<td>3 Credit</td>
<td>Standard Letter</td>
<td>(Slashed with CI 67352) Focus on principles and strategies related to literacy coaching, within classrooms, schools and districts. Prerequisite: CI 77310 and CI 77319 and CI 77330 and CI 77692 and MCED 50005; and doctoral standing. Schedule Type: Lecture Contact Hours: 3 lecture</td>
</tr>
<tr>
<td>CI 77353</td>
<td>MULTICULTURAL VOICES IN TEACHING CHILDREN'S AND YOUNG ADULT LITERATURE</td>
<td>3 Credit</td>
<td>Standard Letter</td>
<td>(Slashed 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</td>
</tr>
<tr>
<td>CI 77392</td>
<td>ADVANCED PRACTICUM AND INTERNSHIP IN READING</td>
<td>1-10 Credit</td>
<td>Standard Letter</td>
<td>(Repeatable for credit) 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</td>
</tr>
<tr>
<td>CI 77395</td>
<td>SPECIAL TOPICS IN READING</td>
<td>1-5 Credit</td>
<td>Standard Letter</td>
<td>(Slashed with CI 67395)(Repeatable for credit) 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</td>
</tr>
</tbody>
</table>
CI 77396  INDIVIDUAL INVESTIGATION IN READING AND LANGUAGE ARTS  1-5 Credit Hours
(Repeatable for credit) 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 IN MATHEMATICS EDUCATION INTERVENTION  3 Credit Hours
(Repeatable for credit) 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: ADED 52267 and CI 77224 and CI 77226 and ECED 50147; and doctoral standing.
Schedule Type: Practicum or Internship
Contact Hours: 9 other
Grade Mode: Standard Letter

CI 77692  CLINICAL PRACTICUM IN CORRECTIVE READING  4 Credit Hours
Application of previous courses includes supervised diagnostic/ prescriptive reading work with school-age pupils and diagnostic/remedial reporting.
Prerequisite: CI 77319; and doctoral standing; and special approval.
Schedule Type: Practicum or Internship
Contact Hours: 12 other
Grade Mode: Standard Letter

CI 7791  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.
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 explore the field of curriculum and instruction by reading and discussing foundational and current theories and research in the field. Students 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. 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; and 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: CI 80199; and doctoral standing.
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
(Slashed with CI 65037) Course prepares 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.
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  CURRICULUM DEVELOPMENT IN 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.
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.
Prerequisite: CI 77001; and doctoral standing.
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 students with
faculty lines of inquiry and research foci while preparing them for critical
consumption of and significant contribution to inquiry in curriculum and
instruction.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 other
Grade Mode: Standard Letter

CI 87091  SEMINAR IN CURRICULUM AND INSTRUCTION  1-4 Credit Hours
(Repeateable for credit) A wide range of topics for advanced graduate inquiry. Normally, course provides a balance of
theoretical study and creative application.
Prerequisite: Doctoral standing; and 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
(Repeateable 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 pre-reading 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
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
(Repeatable with CI 67517) 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 follow their own paths of
inquiry related to the question: How is the definition of literacy changing?
Participants engage in discussions of theoretical positions related to this question (from perspectives as new literacies, multi-literacies and
arts-based knowing to name a few) as well as encounter the basics of
creating a blog or wiki and editing video. Appropriate for any educator
who is interested in examining how new literacies are transforming the
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) Variable content seminar
covering mathematics education. Students must seek faculty advisor
recommendation prior to registration.
Prerequisite: Curriculum and Instruction major; and doctoral standing.
Schedule Type: Seminar
Contact Hours: 1-3 other
Grade Mode: Standard Letter