CURRICULUM AND INSTRUCTION (CI)

CI 40093 VARIABLE TITLE WORKSHOP IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours
(Repealable 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
(Repeatable 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
(Repeatable 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
(Slashed 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
(Slashed 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
(Repealable for credit) 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
(Repealable for credit) 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
(Repealable for credit) 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
(Repealable for credit) 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
(Repealable for credit) 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
(Repeatable 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 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 valid 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) 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 67091 SEMINAR IN CURRICULUM AND INSTRUCTION 1-4 Credit Hours  
(Slashed with CI 87091)(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 67092 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: 3-9 other  
Grade Mode: Satisfactory/Unsatisfactory  

CI 67095 SPECIAL TOPICS IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours  
(Slashed with CI 77095)(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 67096 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 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
(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, 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 67224 TEACHING MATHEMATICS USING COMPUTERS AND CALCULATORS 3 Credit Hours
(Slashed with CI 77224) 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 67225 RESEARCH IN MATHEMATICS EDUCATION 3 Credit Hours
(Slashed with CI 77225) 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 66510 or EVAL 66511; 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,
thoretical 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
(Slashed with CI 77395)(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 other
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.
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 sensitive to early adolescents, and promotes student achievement and equity. In addition, students are able to further 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
Course: PRACTICUM IN MATHEMATICAL ASSESSMENT  
Credit Hours: 2
(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
Grade Mode: Standard Letter

Course: THEORY AND PRACTICE IN THE TEACHING OF READING  
Credit Hours: 3
(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
Grade Mode: Standard Letter

Course: TEACHING WRITING AS A PROCESS  
Credit Hours: 3
(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
Grade Mode: Standard Letter

Course: SURVEY OF YOUNG ADULT LITERATURE  
Credit Hours: 3
(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
Grade Mode: Standard Letter

Course: SURVEY OF CHILDREN'S LITERATURE  
Credit Hours: 3
(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
Grade Mode: Standard Letter

Course: DIAGNOSIS AND REMEDIATION IN READING  
Credit Hours: 3
(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
Grade Mode: Standard Letter

Course: READING IN CONTENT AREAS  
Credit Hours: 3
(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
Grade Mode: Standard Letter

Course: WRITING ASSESSMENT AND RESPONSE  
Credit Hours: 3
(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
Grade Mode: Standard Letter

Course: PERSPECTIVES ON LITERACY RESEARCH  
Credit Hours: 3
(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
Grade Mode: Standard Letter

Course: LITERACY COACHING  
Credit Hours: 3
(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
Grade Mode: Standard Letter

Course: MULTICULTURAL VOICES IN TEACHING CHILDREN'S AND YOUNG ADULT LITERATURE  
Credit Hours: 3
(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
Grade Mode: Standard Letter

Course: ADVANCED PRACTICUM AND INTERNSHIP IN READING  
Credit Hours: 1-10
(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
Grade Mode: Standard Letter

Course: SPECIAL TOPICS IN READING  
Credit Hours: 1-5
(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
Grade Mode: Standard Letter
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 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.
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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Schedule Type</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>CI 87000</td>
<td>THEORY AND RESEARCH IN TEACHING</td>
<td>3</td>
<td>Lecture</td>
<td>Doctoral standing; and special approval.</td>
</tr>
<tr>
<td></td>
<td>Focusses 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prerequisite: Doctoral standing; and special approval.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Schedule Type: Lecture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contact Hours: 3 lecture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grade Mode: Standard Letter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CI 87001</td>
<td>THEORY AND RESEARCH IN CURRICULUM</td>
<td>3</td>
<td>Lecture</td>
<td>Doctoral standing; and special approval.</td>
</tr>
<tr>
<td></td>
<td>Focusses 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prerequisite: CI 77001; and doctoral standing.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Schedule Type: Lecture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contact Hours: 3 lecture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grade Mode: Standard Letter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CI 87002</td>
<td>FORMS OF INQUIRY IN CURRICULUM AND INSTRUCTION</td>
<td>3</td>
<td>Lecture</td>
<td>Doctoral standing.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prerequisite: Doctoral standing.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Schedule Type: Lecture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contact Hours: 3 other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grade Mode: Standard Letter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CI 87091</td>
<td>SEMINAR IN CURRICULUM AND INSTRUCTION</td>
<td>1-4</td>
<td>Seminar</td>
<td>Doctoral standing; and special approval.</td>
</tr>
<tr>
<td></td>
<td>(Slashed with CI 87091)(Repeatable for credit)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A wide range of topics for advanced graduate inquiry. Normally, course provides a balance of theoretical study and creative application.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prerequisite: Doctoral standing; and special approval.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Schedule Type: Seminar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contact Hours: 1-4 other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grade Mode: Standard Letter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CI 87098</td>
<td>RESEARCH IN CURRICULUM AND INSTRUCTION</td>
<td>1-15</td>
<td>Research</td>
<td>Doctoral standing; and special approval.</td>
</tr>
<tr>
<td></td>
<td>(Repeatable for credit) Students pursue an individualized research project on a specialized topic with approval and under direction of instructor.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prerequisite: Doctoral standing; and special approval.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Schedule Type: Research</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contact Hours: 1-15 other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grade Mode: Satisfactory/Unsatisfactory-IP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CI 87340</td>
<td>RESEARCH IN READING</td>
<td>3</td>
<td>Lecture</td>
<td>Doctoral standing; and special approval.</td>
</tr>
<tr>
<td></td>
<td>An introduction to a perspective on psychological processes underlying levels of reading from pre-reading to mature reading with implications for instruction.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prerequisite: Doctoral standing; and special approval.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Schedule Type: Lecture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contact Hours: 3 lecture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grade Mode: Standard Letter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CI 87342</td>
<td>SEMINAR IN READING AND LANGUAGE</td>
<td>3</td>
<td>Lecture</td>
<td>Doctoral standing.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prerequisite: Doctoral standing.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Schedule Type: Lecture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contact Hours: 3 lecture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grade Mode: Standard Letter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CI 87343</td>
<td>RESEARCH IN TEACHING OF WRITING</td>
<td>3</td>
<td>Lecture</td>
<td>Doctoral standing.</td>
</tr>
<tr>
<td></td>
<td>Issues and methodologies in research in the teaching of writing. Students review the literature and conduct research in a significant area of writing instruction.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prerequisite: Doctoral standing.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Schedule Type: Lecture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contact Hours: 3 other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grade Mode: Standard Letter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CI 87398</td>
<td>RESEARCH IN READING AND LANGUAGE ARTS</td>
<td>1-15</td>
<td>Seminar</td>
<td>Doctoral standing; and special approval.</td>
</tr>
<tr>
<td></td>
<td>(Repeatable for credit) Students pursue an individualized research project on a specialized topic with approval and under direction of instructor.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prerequisite: Doctoral standing; and special approval.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Schedule Type: Research</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contact Hours: 1-15 other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grade Mode: Standard Letter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CI 87517</td>
<td>NEW LITERACIES IN PRACTICE</td>
<td>3</td>
<td>Lecture</td>
<td>Doctoral standing.</td>
</tr>
<tr>
<td></td>
<td>(Slashed 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-literals 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prerequisite: Doctoral standing.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Schedule Type: Lecture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contact Hours: 1-15 other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grade Mode: Standard Letter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CI 87791</td>
<td>DOCTORAL SEMINAR IN MATHEMATICS EDUCATION</td>
<td>1-3</td>
<td>Seminar</td>
<td>Doctoral standing; and doctoral standing.</td>
</tr>
<tr>
<td></td>
<td>(Repeatable for a maximum of 12 credit hours)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Variable content seminar covering mathematics education. Students must seek faculty advisor recommendation prior to registration.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prerequisite: Curriculum and Instruction major; and doctoral standing.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Schedule Type: Seminar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contact Hours: 1-3 other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grade Mode: Standard Letter</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>