

# CURRICULUM AND INSTRUCTION (CI)

## CI 40093 VARIABLE TITLE WORKSHOP IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours

(Slashed with CI 50093 and CI 70093)(Repeatable 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 47192 STUDENT TEACHING IN CURRICULUM AND INSTRUCTION (ELR) 1-5 Credit Hours

(Repeatable for credit) Student teaching topics vary for each offering.

**Prerequisite:** Special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3-15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**Attributes:** Experiential Learning Requirement

## 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

(Slashed 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

(Slashed 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

(Slashed 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

(Slashed 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

(Slashed with CI 40093 and CI 70093)(Repeatable 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 55015 PSYCHOLOGY OF COACHING 3 Credit Hours**

(Slashed with PESP 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 PESP 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 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 60169 UNDERSTANDING EMERGENT BILINGUAL AND IMMIGRANT STUDENTS AND THEIR FAMILIES 3 Credit Hours**

(Slashed with CI 80169) This course is designed to help the general practitioner understand and know foundational concepts about multi-lingual students, immigrants, English Language Learners and their families.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 60171 TEACHING EMERGENT BILINGUAL AND IMMIGRANT STUDENTS 3 Credit Hours**

(Slashed with CI 80171) General educators will explore the application of teaching methods and a variety of curriculum approaches for immigrant and bi-literate children, and apply more fully their work with families and communities.

**Prerequisite:** CI 60169; and 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 62000 PRINCIPLES OF TEACHING WITH DIFFERENTIATION 3 Credit Hours**

Principles of teaching adolescents, including designing curriculum, planning instruction, differentiation, assessment, fundamentals of evaluation and reflective practice. Learning experiences focus on preparing teachers for secondary school teaching in diverse settings. Teaching as a profession is explored, including examination of the Ohio licensure code of professional conduct and the Ohio Standards for the Teaching profession. Additionally, the course emphasizes culturally relevant, responsive and sustaining pedagogies. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 62001 ASSESSMENT PROCEDURES AND PRAXIS 3 Credit Hours**

Students gain an understanding of the complexities of designing, collecting, analyzing and evaluating student performance data. Both formative and summative assessment practices are examined. Additionally, students determine best practices in inference-making based on data and consider pedagogical and evaluative choices that rely on the quality of data that they collect, both from their own design and assessment data from vendors. Students consider how qualitative data about individual learners can be collected and analyzed to strengthen the validity and reliability of the decisions made about learning outcomes. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** CI 62000; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 62002 CULTURALLY RESPONSIVE CLASSROOM MANAGEMENT PRACTICES 3 Credit Hours**

Course explores principles of positive behavior supports and interventions; procedures to promote and practice positive learning interactions; and development of routines that practice social-emotional skill development, including resolution of conflict using restorative practice methods. Additionally, students examine the physical- and psychological-learning environment as a factor in culturally responsive teaching. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 62003 LITERACIES IN THE CONTENT AREAS 3 Credit Hours**

Student acquire professional knowledge of the nature of literacy as it relates to specific content areas. Students understand the critical role that "literacy - including the interpretation and production of texts and representations - plays as vital to participation and learning in different academic disciplines" (International Literacy Association, 2017). Students develop, implement and reflect on a variety of curricular engagements, instructional strategies and assessment procedures for meeting the literacy needs of diverse students. Additionally, students learn how to plan inquiry-based teaching and learning that engages and extends students' literacy development. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 62101 CURRICULUM STUDIES OF SECONDARY ENGLISH LANGUAGE ARTS 3 Credit Hours**

Course explores pedagogies of reading and composing with a variety of print and non-print texts. Considers the impact of media upon adolescent culture. Also explores teaching canonical literature and literary theories. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 62102 CURRICULUM STUDIES OF SECONDARY MATHEMATICS 3 Credit Hours**

Course examines the secondary school mathematics curriculum, textbooks and national standards. Analyzes, implements and evaluates methodology and materials of effective teaching of secondary mathematics. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 62103 CURRICULUM STUDIES OF SECONDARY SCIENCE 3 Credit Hours**

This course is designed to deepen secondary science teaching through the development of content knowledge, pedagogical knowledge and methodologies appropriate for science learning in secondary school. Students engage in pedagogical analyses and curriculum development related to nature of science; science literacy; conceptual change and student misconceptions; issues-based instruction; problem-based learning; and teaching diverse-learners science concepts. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 62104 CURRICULUM STUDIES OF SECONDARY SOCIAL STUDIES 3 Credit Hours**

This course is designed to prepare prospective teachers to be purposeful, deliberative decision-makers and reflective practitioners who prepare citizens who contribute to the deepening of democracy and promote the common good. Areas of planning, curriculum, instruction and assessment are examined from a social studies perspective. The goal is to support purposeful social studies teaching and learning that engages students in the learning experiences designed to honor their real-world experiences and prepare them to be agents of change in their school and community. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 62121 FOUNDATIONS OF LITERACY AND PHONICS FOR SECONDARY TEACHERS 3 Credit Hours**

Course provides professional training in the teaching of the foundations of literacy: word/recognition/decoding, vocabulary, reading fluency and comprehension. Consideration of how struggling adolescent readers development may be assessed followed by how to provide interventions to strengthen literacy skills and strategies. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**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 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:** Practical Experience

**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:** Practical Experience

**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:** Practical Experience

**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 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 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 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:** Practical Experience

**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 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 RMS 65510 or RMS 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:** Practical Experience

**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 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:** Practical Experience

**Contact Hours:** 9 other

**Grade Mode:** Standard Letter

**CI 67692 CLINICAL PRACTICUM IN CORRECTIVE READING 3 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:** Practical Experience

**Contact Hours:** 9 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:** Practical Experience

**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:** Practical Experience

**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 planing, 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 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

**CI 77292 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 77224, CI 77226 and/or ECED 50147; and doctoral standing.

**Schedule Type:** Practical Experience

**Contact Hours:** 6 other

**Grade Mode:** Standard Letter

**CI 77310 THEORY AND PRACTICE IN THE TEACHING OF READING 3 Credit Hours**

(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

**CI 77312 TEACHING WRITING AS A PROCESS 3 Credit Hours**

(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

**CI 77314 SURVEY OF YOUNG ADULT LITERATURE 3 Credit Hours**

(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

**CI 77319 DIAGNOSIS AND REMEDIATION IN READING 3 Credit Hours**

(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

**CI 77330 READING IN CONTENT AREAS 3 Credit Hours**

(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

**CI 77339 WRITING ASSESSMENT AND RESPONSE 3 Credit Hours**

(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

**CI 77351 PERSPECTIVES ON LITERACY RESEARCH 3 Credit Hours**

(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

**CI 77352 LITERACY COACHING 3 Credit Hours**

(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

**CI 77353 MULTICULTURAL VOICES IN TEACHING CHILDREN'S AND YOUNG ADULT LITERATURE 3 Credit Hours**

(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

**CI 77392 ADVANCED PRACTICUM AND INTERNSHIP IN READING****1-10 Credit Hours**

(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:** Practical Experience

**Contact Hours:** 3-30 other

**Grade Mode:** Standard Letter

**CI 77395 SPECIAL TOPICS IN READING 1-5 Credit Hours**

(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

**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:** Practical Experience

**Contact Hours:** 9 other

**Grade Mode:** Standard Letter

**CI 77692 CLINICAL PRACTICUM IN CORRECTIVE READING 3 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:** Practical Experience

**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 80169 UNDERSTANDING EMERGENT BILINGUAL AND IMMIGRANT STUDENTS AND THEIR FAMILIES 3 Credit Hours**

(Slashed with CI 60169) This course is designed to help the general practitioner understand and know foundational concepts about multi-lingual students, immigrants, English Language Learners and their families.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 80171 TEACHING EMERGENT BILINGUAL AND IMMIGRANT STUDENTS 3 Credit Hours**

(Slashed with CI 60171) General educators will explore the application of teaching methods and a variety of curriculum approaches for immigrant and bi-literate children, and apply more fully their work with families and communities.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**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**

(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:** 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**

(Repeatable for credit) Students pursue an individualized research project on a specialized topic with approval and under direction of instructor.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Research

**Contact Hours:** 1-15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 87340 RESEARCH IN READING 3 Credit Hours**

An introduction to a perspective on psychological processes underlying levels of reading from 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**

(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-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