

CURRICULUM AND INSTRUCTION (CI)

CI 5110 Developing Instruction for Middle Grades 4-5 Literacy and Social Studies

[3 credit hours]

A course in pedagogy and content for pre-service teachers currently working on Ohio's Early Childhood PK-3 licensure program and licensed teachers who have completed Ohio's Early Childhood PK-3 licensure program and are seeking to extend their license to be eligible to teach all content in grades four and five. The course will focus on the English language arts and social studies as outlined in the Ohio Academic Content Standards.

Term Offered: Spring, Fall

CI 5120 Developing Instruction in Mathematics and Science for Grades 4-5

[3 credit hours]

A course in pedagogy and content for pre-service teachers currently working on Ohio's Early Childhood PK-3 LAMP licensure program and licensed teachers who have completed Ohio's PK-3 licensure program and are seeking to extend their license to be eligible to teach all content in grades four and five. The course will focus on the mathematics and science outlined in Ohio's standards for teaching mathematics and science in grades 4 and 5.

Term Offered: Spring, Fall

CI 5190 Secondary Field Experience II

[3 credit hours]

Field experience for alternative 712 certification. Classroom observations and reports Teach series of lessons or unit of study in secondary classroom. Students will develop and implement a unit plan in the content area integrating teaching of content, thinking skills and adjusting the unit to a special needs population.

Term Offered: Spring, Fall

CI 5300 Literature For Children

[3 credit hours]

Emphasis on all genres of literature for children, including poetry, traditional literature, fantasy, realistic fiction, biography and other information books, particularly for early childhood and middle grades learners. Instructional strategies for engaging learners with children's literature and ways of increasing home-school connections through use of children's literature also introduced.

CI 5320 Literature For Young Adults

[3 credit hours]

Survey of literature materials written for the junior and senior high school student. Emphasis is placed on all genres, literary elements and uses of literature across the curriculum.

Term Offered: Spring, Fall

CI 5360 Multicultural Literature

[3 credit hours]

Picture books, fiction, biography and poetry appropriate for elementary and middle school students that interpret and reflect honestly the lives of persons of color will be studied and evaluated.

Term Offered: Fall

CI 5430 Issues In Second Language Instruction

[3 credit hours]

A critical study of teaching foreign languages and English as a second language across age groups including current theories, curriculum, materials, teaching strategies and assessment.

Term Offered: Spring

CI 5470 Literacy Assessment and Remediation

[3 credit hours]

Examine current literacy practices in assessment and remediation. Emphasis on knowledge and skill needed to diagnose and assess students in reading and writing by working with an at-risk learner. Apply word identification, comprehension, fluency, vocabulary and writing instructional strategies for supporting readers in an experiential learning environment.

Term Offered: Spring, Summer, Fall

CI 5490 Content Area Reading For Adolescent Young Adult, Multi-Age, And Career And Technical Education Teach

[3 credit hours]

Study of the integration of reading comprehension, writing, oral language and word skill development in content reading. Attention will be given to instructional methods as well as assessment practices.

Term Offered: Spring, Summer, Fall

CI 5510 Mathematics For The Young Child

[3 credit hours]

Development of mathematical understanding in young children, appropriate learning and assessment experiences and analysis of curriculum. Mathematics focus on place value, number sense, geometry, measurement, algebra, data analysis and probability.

Term Offered: Spring, Fall

CI 5530 TEACHING AND LEARNING GEOMETRY AND MEASUREMENT

[3 credit hours]

Examination of the development of mathematics concepts and skills across the K-12 curriculum. Discussion of mathematics content, teaching methods, instructional materials, assessment techniques and applications to classroom practice.

Term Offered: Spring

CI 5540 Teaching and Learning Algebra

[3 credit hours]

Examination of the development of algebraic concepts and skills across the K-12 curriculum. Emphasis on current research, theory, and innovative approaches for teaching and learning algebra

Term Offered: Fall

CI 5550 Teaching Problem Solving In Mathematics

[3 credit hours]

Focuses on the art of problem solving and methods and materials for classroom implementation. Consideration given to current trends and related resource regarding use of problem solving in mathematics teaching.

Term Offered: Fall

CI 5560 ASSESSMENT IN MATHEMATICS EDUCATION

[3 credit hours]

Study of the role of assessment in the teaching and learning of mathematics. Examination of current research, assessment techniques, and trends and ways in which assessment can guide and inform mathematics instruction.

Term Offered: Fall

CI 5580 TEACHING AND LEARNING NUMBER, DATA, AND PROBABILITY

[3 credit hours]

Examination of the development of concepts and skills associated with number, data, and probability across the K-12 curriculum. Emphasis on current research, theory, and innovative instructional approaches.

CI 5590 Topics in Mathematics Education

[3 credit hours]

Examination and exploration of policy issues, research, and national trends that have implications for teachers, curriculum specialists, school districts, and others involved in mathematics education

Term Offered: Summer, Fall**CI 5640 Environmental Education**

[3 credit hours]

An experiential course for those interested in developing their knowledge and expertise in Environmental Education. Participants will develop a personal response to current environmental issues and learn how to help others do the same. Participants include teachers, naturalists, environmental science professionals and anyone interested in environmental education. The course will take a practical approach to the NAEE standards for environmental and conservation education as well as the NGSS and relevant Common Core State Standards.

CI 5650 Mentoring a Preservice Teacher

[3 credit hours]

Designed for practicing teachers, this course explores the role of a mentor teacher in guiding prospective teachers in learning to teach. Emphasis is on developing productive mentor-mentee relationships; guiding planning, teaching and assessment; providing useful feedback; and assessing preservice teacher learning.

CI 5660 Technological Tools In Science Education

[3 credit hours]

Designed for science educators, this course explores the use of learning technologies for teaching and learning science. Students investigate theoretical frameworks for thinking about tools to support science learning and the role of technology in science education. This course explores technologies to extend students' capabilities at inquiry and enhance their thinking about science phenomena, how technologies can enhance learning within and beyond classrooms, and how technologies support and change science teachers' work with learners.

Term Offered: Spring**CI 5690 Project-Based Science**

[3 credit hours]

Advanced methods for teaching science to engage learners in extended inquiry as they investigate real-world questions. Emphasis on innovative instructional strategies, research and theoretical perspectives to promote deep understanding of fundamental concepts.

Term Offered: Spring, Summer**CI 5810 Instructional Strategies**

[3 credit hours]

This course examines the purposes and practices of effective teachers. Participants critically investigate different instructional models for teaching including mediated instruction, discussion, inquiry management, project-based instruction, cooperative learning and the use of technology. Many different teaching methodologies will be demonstrated, modeled and critically examined. Participants will draft a personal philosophy of education. Focus is firmly placed on individual student learning outcomes in a climate of increasing diversity in the 21st century.

Term Offered: Spring, Summer, Fall**CI 5870 Secondary School Curriculum**

[3 credit hours]

A critical exploration of secondary school curricular issues, trends, and practices including the historical, political, social, psychological, and philosophical traditions. Participants examine how secondary curriculum is developed, implemented and institutionalized. Emphasis will be placed on topics including teacher leadership, collaboration, action research, and reflective decision making in curriculum work. This course is for teachers, administrators, and anyone interested in how curriculum has influenced educational reform and can influence future reform.

Term Offered: Spring**CI 5980 Special Topics In Curriculum & Instruction**

[1-5 credit hours]

A course developed around topics of interest and concern to educators.

Term Offered: Spring, Summer, Fall**CI 5990 Graduate Independent Study In Curriculum And Instruction**

[1-5 credit hours]

Individual study designed to provide a student the opportunity to work individually on professional problems under the direction of the faculty of the Department of Curriculum and Instruction.

Term Offered: Spring, Summer, Fall**CI 6110 Language Arts Methods of Teaching**

[3 credit hours]

An initial in-depth study of methods and materials for teaching and learning the English Language Arts in middle and secondary classrooms with emphasis on planning, content standards and instructional strategies that attend to students as learners; for LAMP Middle Childhood and Adolescent to Young Adult licensure only. Admission to SECE or MIDD LAMP program required.

Corequisites: CI 6210**Term Offered:** Fall**CI 6120 Social Studies Methods of Teaching**

[3 credit hours]

An initial in-depth study of methods and materials for teaching and learning Social Studies in middle and secondary classrooms with emphasis on planning, content standards and instructional strategies that attend to students as learners; for LAMP Middle Childhood and Adolescent to Young Adult licensure only. Admission to SECE or MIDD LAMP program.

Corequisites: CI 6220**Term Offered:** Fall

CI 6130 Mathematics Method of Teaching

[3 credit hours]

An initial in-depth study of methods and materials for teaching and learning Mathematics in middle and secondary classrooms with emphasis on planning, content standards and instructional strategies that attend to students as learners; for LAMP Middle Childhood and Adolescent to Young Adult licensure only. Admission to SECE or MIDD LAMP program required.

Corequisites: CI 6230**Term Offered:** Fall**CI 6140 Science Methods of Teaching**

[3 credit hours]

An initial in-depth study of methods and materials for teaching and learning Science in middle and secondary classrooms with emphasis on planning, content standards and instructional strategies that attend to students as learners; for LAMP Middle Childhood and Adolescent to Young Adult licensure only. Admission to SECE or MIDD LAMP program required.

Corequisites: CI 6240**Term Offered:** Fall**CI 6150 Advanced Methods of Teaching in Language Arts**

[3 credit hours]

A continued in-depth study of methods and materials for teaching and learning the English Language Arts in middle and secondary classrooms with an emphasis on academic language and classroom level assessments; for LAMP Middle Childhood and Adolescent to Young Adult licensure only. Admission to SECE or MIDD LAMP program required.

Prerequisites: CI 6110 with a minimum grade of C or CI 6120 with a minimum grade of C or CI 6130 with a minimum grade of C or CI 6140 with a minimum grade of C

Corequisites: CI 6250**Term Offered:** Spring**CI 6160 Social Studies Advanced Methods of Teaching**

[3 credit hours]

A continued in-depth study of methods and materials for teaching and learning Social Studies in middle and secondary classrooms with an emphasis on academic language and classroom level assessments; for LAMP Middle Childhood and Adolescent to Young Adult licensure only. Admission to SECE or MIDD LAMP program required.

Prerequisites: CI 6110 with a minimum grade of C or CI 6120 with a minimum grade of C or CI 6130 with a minimum grade of C or CI 6140 with a minimum grade of C

Corequisites: CI 6260**Term Offered:** Spring**CI 6170 Mathematics Advanced Methods of Teaching**

[3 credit hours]

A continued in-depth study of methods and materials for teaching and learning Mathematics in middle and secondary classrooms with an emphasis on academic language and classroom level assessments; for LAMP Middle Childhood and Adolescent to Young Adult licensure only. Admission to SECE or MIDD LAMP program required.

Prerequisites: CI 6110 with a minimum grade of C or CI 6120 with a minimum grade of C or CI 6140 with a minimum grade of C or CI 6130 with a minimum grade of C

Corequisites: CI 6270**Term Offered:** Spring**CI 6180 Science Advanced Methods of Teaching**

[3 credit hours]

A continued in-depth study of methods and materials for teaching and learning Science in middle and secondary classrooms with an emphasis on academic language and classroom level assessments; for LAMP Middle Childhood and Adolescent to Young Adult licensure only. Admission to SECE or MIDD LAMP program required.

Prerequisites: CI 6120 with a minimum grade of C or CI 6130 with a minimum grade of C or CI 6140 with a minimum grade of C

Corequisites: CI 6280**Term Offered:** Spring**CI 6190 Ambitious Teaching in PK-12 Classrooms**

[3 credit hours]

Designed for graduate students studying teaching and learning, this course explores current ideas about ambitious and culturally responsive PK-12 teaching and a teacher's role in the classroom. Ideas underlying dilemmas of teaching subject matter for all learners will be examined within student-authored cases of teaching. Students reflect on their experiences in the classroom to examine their personal role as an ambitious PK-12 classroom teacher.

Term Offered: Spring**CI 6210 Practicum in Teaching Language Arts**

[1 credit hour]

Initial field experience for LAMP Middle Childhood and Adolescent to Young Adult licensure only; experiences include focused observations in classroom settings, co-teaching with mentor teacher and the design, planning and teaching of units that integrate the English Language Arts. Admission to SECE or MIDD LAMP program required.

Corequisites: CI 6110**Term Offered:** Fall**CI 6220 Practicum in Teaching Social Studies**

[1 credit hour]

Initial field experience for LAMP Middle Childhood and Adolescent to Young Adult licensure only; experiences include focused observations in classroom settings, co-teaching with mentor teacher and the design, planning and teaching of units that integrate Social Studies. Admission to SECE or MIDD LAMP program required.

Corequisites: CI 6120**Term Offered:** Fall**CI 6230 Practicum in Teaching Mathematics**

[1 credit hour]

Initial field experience for LAMP Middle Childhood and Adolescent to Young Adult licensure only, experiences include focused observations in classroom settings, co-teaching with mentor teacher and the design, planning and teaching of units that integrate Mathematics. Admission to SECE or MIDD LAMP program required.

Corequisites: CI 6130**Term Offered:** Fall

CI 6240 Practicum in Teaching Science

[1 credit hour]

Initial field experience for LAMP Middle Childhood and Adolescent to Young Adult licensure only; experiences include focused observations in classroom settings, co-teaching with mentor teacher and the design, planning and teaching of units that integrate Science. Admission to SECE or MIDD LAMP program required.

Corequisites: CI 6140**Term Offered:** Fall**CI 6250 Internship/Student Teaching in Language Arts**

[2 credit hours]

Part 1 of full time, supervised classroom teaching; for LAMP middle childhood and Adolescent to Young Adult licensure only. Admission to SECE or MIDD LAMP program required.

Prerequisites: CI 6210 with a minimum grade of C or CI 6220 with a minimum grade of C or CI 6230 with a minimum grade of C or CI 6240 with a minimum grade of C

Corequisites: CI 6190**Term Offered:** Spring**CI 6260 Internship/Student Teaching in Social Studies**

[2 credit hours]

Part 1 of full time, supervised classroom teaching; for LAMP middle childhood and Adolescent to Young Adult licensure only. Admission to SECE or MIDD LAMP program required.

Prerequisites: CI 6210 with a minimum grade of C or CI 6220 with a minimum grade of C or CI 6230 with a minimum grade of C or CI 6240 with a minimum grade of C

Corequisites: CI 6190**Term Offered:** Spring**CI 6270 Internship/Student Teaching in Mathematics**

[2 credit hours]

Part 1 of full time, supervised classroom teaching; for LAMP middle childhood and Adolescent to Young Adult licensure only. Admission to SECE or MIDD LAMP program required.

Prerequisites: CI 6210 with a minimum grade of C or CI 6220 with a minimum grade of C or CI 6230 with a minimum grade of C or CI 6240 with a minimum grade of C

Corequisites: CI 6190**Term Offered:** Spring**CI 6280 Internship/Student Teaching in Science**

[2 credit hours]

Part 1 of full time, supervised classroom teaching; for LAMP middle childhood and Adolescent to Young Adult licensure only. Admission to SECE or MIDD LAMP program required.

Prerequisites: CI 6210 with a minimum grade of C or CI 6220 with a minimum grade of C or CI 6230 with a minimum grade of C or CI 6240 with a minimum grade of C

Corequisites: CI 6190**Term Offered:** Spring**CI 6310 Practicum in Teaching Foreign Language**

[1 credit hour]

Initial field experience for LAMP Middle Childhood and Adolescent to Young Adult licensure only; experiences include focused observations in classroom settings, co-teaching with a mentor teacher, and the design, planning, and teaching of units that integrate Foreign Language.

Corequisites: SPAN 5120**Term Offered:** Fall**CI 6320 Internship/Student Teaching in Foreign Language**

[2 credit hours]

Part 1 of full time, supervised classroom teaching; for LAMP middle childhood and AYA licensure only. Admission to SECE or MIDD LAMP program required.

Prerequisites: CI 6310 with a minimum grade of C**Corequisites:** CI 6190**Term Offered:** Spring**CI 6370 Fundamentals Of Grant Writing**

[3 credit hours]

This seminar will teach participants about fundamentals of grant writing. Topics covered will include: locating sources of funding, writing grants, designing evaluation instruments and administering grants.

Term Offered: Summer**CI 6400 Trends In Literacy Acquisition**

[3 credit hours]

Study of the theories and foundational components of literacy instruction. Factors affecting literacy development including oral language, phonemic awareness, phonics, fluency, comprehension, vocabulary, reading-writing connections and motivation considered. Issues for learners from diverse backgrounds including English Language Learners examined.

Term Offered: Spring, Summer, Fall**CI 6410 Content Area Literacy**

[3 credit hours]

Study of the integration of reading and writing in the content areas. Attention to both content area literacy approaches and disciplinary literacy practices. Consideration of needs of diverse learners including English Language Learners.

Term Offered: Spring, Summer, Fall**CI 6430 Diagnosis Of Reading Disability**

[3 credit hours]

Teachers acquire the knowledge and skills needed to assess the reading and writing of students and to plan appropriate instruction. Emphasis on phonemic awareness, concepts of print, word recognition, fluency, comprehension, word study, and writing.

Prerequisites: CI 6400 with a minimum grade of C**Term Offered:** Spring, Summer, Fall**CI 6440 Remediation Practicum**

[3 credit hours]

In depth tutoring with learners ranging from preK to 12th grade. Data-driven instructional decision-making as well as considerations for individualizing instruction emphasized. Design and conduct of a professional development workshop for literacy educators based on tutoring cases is a culminating aspect of the course.

Prerequisites: (CI 6400 with a minimum grade of C and CI 6430 with a minimum grade of C)

Term Offered: Spring, Summer, Fall

CI 6490 Theory And Research In Literacy

[3 credit hours]

Extensive examination of current research and theoretical considerations in language and literacy learning and instruction. Contemporary contextual factors such as policy and standards are explored. The reciprocal nature of research and practice is a central theme of the course. Individualized culminating projects focus on specific issues of interest related to language and literacy learning and instruction.

Term Offered: Spring, Summer, Fall**CI 6590 Theory And Research In Mathematics Education**

[3 credit hours]

Critical appraisal of current theory and research in mathematics education. Emphasis on issues related to teacher practice, student learning, and curriculum development.

Term Offered: Spring, Summer, Fall**CI 6650 Teacher Learning and Education**

[3 credit hours]

Designed for future teacher educators and teacher leaders, students investigate frameworks for teacher professional knowledge including pedagogical content knowledge, teacher learning, educative mentoring, and program design. Teacher educators' roles as leaders for teacher learning and improvement are examined.

CI 6690 Theory And Research In Science Education

[3 credit hours]

Designed for individuals beginning their thesis, project, or seminar paper phase of their graduate program, this course explores both theory and research in science education. Based on an area of interest, students review and critically analyze the research literature in science education. Students also learn how to find primary sources, read and critique research, and organize and write a literature review.

Term Offered: Spring, Summer, Fall**CI 6790 Theory And Research In Social Studies**

[3 credit hours]

Intensive study of research and theoretical considerations related to the development and current status of learning and instruction in the social studies. Historical and contemporary contextual factors such as policy and standards are explored. The reciprocal nature of research and practice is a central theme of the course. Individualized culminating projects focus on issues related to learning and instruction in the social studies.

Term Offered: Spring, Fall**CI 6800 Foundations Of Curriculum & Instruction**

[3 credit hours]

The purpose of CI 6800/8800, Foundations of Curriculum, is to provide an introduction to the foundational areas that affect the design and development of curriculum. This includes the history, social forces, philosophy, and psychology behind many of the curriculum practices and issues that exist in schools today as well as the nature of the curriculum development process. As a result, the course is designed to increase the learner's awareness of the field of curriculum and to introduce specific skills in design and development.

Term Offered: Summer, Fall**CI 6810 Curriculum Development: K-12**

[3 credit hours]

The purpose of CI 6810/8810, Curriculum Development: K-12, is to provide appropriate background information and practice in curriculum and instructional design and direct experiences in approaching this process imaginatively. The course will focus on how to use both traditional and emerging models of curriculum design and development to create a working curriculum and to design instructional based on research-based theories of learning and models of teaching.

Term Offered: Spring, Fall**CI 6830 Curriculum Trends And Issues**

[3 credit hours]

Designed for educators, this course guides students in exploring core ideas to develop a framework for the study of teaching. Students investigate issues of what and how to teach in the content areas as well as explore the knowledge of expert content teachers. As a core graduate course in curriculum and instruction, students analyze and integrate ideas to form a theoretical framework and are guided in developing professional written work grounded in the professional literature.

Term Offered: Spring, Summer, Fall**CI 6840 Curriculum For Educational Leaders**

[3 credit hours]

The purpose of this course is to introduce educational leaders to research-based leadership theories and principles and how these apply to P-12 school settings. Building principals, teacher leaders, and instructional coaches will focus on creating learning environments throughout the school that increase teacher effectiveness, utilize alternative assessment strategies, and focus on connecting curriculum, instruction and assessment in all classrooms.

Term Offered: Spring, Fall**CI 6890 Theory and Research in Learning and Teaching Content**

[3 credit hours]

A critical analysis of the research literature in language arts, mathematics, science, or social studies education. Students examine educational research regarding ideas about learning and teaching that influence research, finding primary sources, reading and critiquing research, and organizing and writing a literature review.

Term Offered: Spring, Summer, Fall**CI 6900 Master's Culminating Seminar In Teacher Education**

[1-3 credit hours]

This seminar is the master's culminating experience for students studying teaching and learning. This course is completed in three stages with a focus on the preparation and submission of a professional manuscript for publication in Learning to Teach Language Arts, Mathematics, Science, and Social Studies Through Research and Practice. Students identify a problem for practice, review professional resources, and present well-formed message orally and in writing.

Term Offered: Spring, Summer, Fall**CI 6920 Masters Research Project In Curriculum And Instruction**

[1-3 credit hours]

Students will complete an individual research project under the direction of a committee of at least two faculty members in Curriculum and Instruction, ordinarily including the faculty adviser.

Term Offered: Spring, Summer, Fall

CI 6950 Internship Capstone

[1 credit hour]

Part 2 of full time, supervised classroom teaching; for LAMP middle childhood and Adolescent to Young Adult licensure only; added emphasis on continual professional growth and development as educators. Admission to SECE or MIDD LAMP program required.

Prerequisites: CI 6250 with a minimum grade of C or CI 6260 with a minimum grade of C or CI 6270 with a minimum grade of C or CI 6280 with a minimum grade of C or CI 6320 with a minimum grade of C

Term Offered: Spring, Summer, Fall

CI 6960 Masters Thesis In Curriculum And Instruction

[1-3 credit hours]

Students will complete a thesis under the direction of committee of at least two faculty members from Curriculum and Instruction, ordinarily including the faculty adviser.

Term Offered: Spring, Summer, Fall

CI 7530 TEACHING AND LEARNING GEOMETRY AND MEASUREMENT

[3 credit hours]

Examination of the development of mathematics concepts and skills associated with geometry and measurement across the K-12 curriculum. Emphasis on current research, theory, and innovative instructional approaches to the teaching and learning of geometry and measurement.

Term Offered: Spring

CI 7540 Teaching and Learning Algebra

[3 credit hours]

Examination of the development of algebraic concepts and skills across the K-12 curriculum. Emphasis on current research, theory, and innovative approaches for teaching and learning algebra.

Term Offered: Fall

CI 7560 ASSESSMENT IN MATHEMATICS EDUCATION

[3 credit hours]

Study of the role of assessment in the teaching and learning of mathematics. Examination of current research, assessment techniques, and trends and ways in which assessment can guide and inform mathematics instruction

Term Offered: Fall

CI 7580 TEACHING AND LEARNING NUMBER, DATA, AND PROBABILITY

[3 credit hours]

Examination of the development of concepts and skills associated with number, data, and probability across the K-12 curriculum. Emphasis on current research, theory, and innovative instructional approaches

CI 7590 Topics in Mathematics Education

[3 credit hours]

Examination and exploration of policy issues, research, and national trends that have implications for teachers, curriculum specialists, school districts, and others involved in mathematics education.

Term Offered: Fall

CI 7650 Mentoring a Preservice Teacher

[3 credit hours]

Designed for practicing teachers, this course explores the role of a mentor teacher in guiding prospective teachers in learning to teach. Emphasis is on developing productive mentor-mentee relationships; guiding planning, teaching and assessment; providing useful feedback; and assessing preservice teacher learning.

CI 7660 Technological Tools In Science Education

[3 credit hours]

Designed for science educators, this course explores the use of learning technologies for teaching and learning science. Students investigate theoretical frameworks for thinking about tools to support science learning and the role of technology in science education. This course explores technologies to extend students' capabilities at inquiry and enhance their thinking about science phenomena, how technologies can enhance learning within and beyond classrooms, and how technologies support and change science teachers' work with learners.

Term Offered: Spring

CI 7690 Project-Based Science

[3 credit hours]

Advanced methods for teaching science to engage learners in extended inquiry as they investigate real-world questions. Emphasis on innovative instructional strategies, research and theoretical perspectives to promote deep understanding of fundamental concepts.

Term Offered: Spring, Summer

CI 7810 Instructional Strategies

[3 credit hours]

This course examines the purposes and practices of effective teachers. Participants critically investigate different instructional models for teaching including mediated instruction, discussion, inquiry management, project-based instruction, cooperative learning and the use of technology. Many different teaching methodologies will be demonstrated, modeled and critically examined. Participants will draft a personal philosophy of education. Focus is firmly placed on individual student learning outcomes in a climate of increasing diversity in the 21st century.

Term Offered: Spring, Summer, Fall

CI 7870 Secondary School Curriculum

[3 credit hours]

A critical exploration of secondary school curricular issues, trends, and practices including the historical, political, social, psychological, and philosophical traditions. Participants examine how secondary curriculum is developed, implemented and institutionalized. Emphasis will be placed on topics including teacher leadership, collaboration, action research, and reflective decision making in curriculum work. This course is for teachers, administrators, and anyone interested in how curriculum has influenced educational reform and can influence future reform.

Term Offered: Spring

CI 7940 Specialist Practicum In Curriculum And Instruction

[1-3 credit hours]

Observation and supervised experience in an appropriate setting. This experience may be in a school or other educational setting. Student will study under the supervision of appropriate mentors or advisors.

Term Offered: Spring, Summer, Fall

CI 7980 Special Topics In Curriculum & Instruction

[1-5 credit hours]

A course developed around topics of interest and concern to educators.

Term Offered: Spring, Summer, Fall

CI 8370 Fundamentals Of Grant Writing

[3 credit hours]

This seminar will teach participants about fundamentals of grant writing. Topics covered will include: locating sources of funding, writing grants, designing evaluation instruments and administering grants.

Term Offered: Summer

CI 8400 Trends In Literacy Acquisition

[3 credit hours]

Study of the theories and foundational components of literacy instruction. Factors affecting literacy development including oral language, phonemic awareness, phonics, fluency, comprehension, vocabulary, reading-writing connections and motivation considered. Issues for learners from diverse backgrounds including English Language Learners examined.

Term Offered: Spring, Summer, Fall**CI 8410 Content Area Literacy**

[3 credit hours]

Study of the integration of reading and writing in the content areas. Attention to both content area literacy approaches and disciplinary literacy practices. Consideration of needs of diverse learners including English Language Learners.

Term Offered: Spring, Summer, Fall**CI 8430 Diagnosis Of Reading Disability**

[3 credit hours]

Teachers acquire the knowledge and skills needed to assess the reading and writing of students and to plan appropriate instruction. Emphasis on phonemic awareness, concepts of print, word recognition, fluency, comprehension, word study, and writing.

Prerequisites: CI 6400 with a minimum grade of C**Term Offered:** Spring, Summer, Fall**CI 8440 Remediation Practicum**

[3 credit hours]

In depth tutoring with learners ranging from preK to 12th grade. Data-driven instructional decision-making as well as considerations for individualizing instruction emphasized. Design and conduct of a professional development workshop for literacy educators based on tutoring cases is a culminating aspect of the course.

Prerequisites: (CI 6400 with a minimum grade of C and CI 6430 with a minimum grade of C)**Term Offered:** Spring, Summer, Fall**CI 8490 Theory And Research In Literacy**

[3 credit hours]

Extensive examination of current research and theoretical considerations in language and literacy learning and instruction. Contemporary contextual factors such as policy and standards are explored. The reciprocal nature of research and practice is a central theme of the course. Individualized culminating projects focus on specific issues of interest related to language and literacy learning and instruction.

Term Offered: Spring, Summer, Fall**CI 8590 Theory And Research In Mathematics Education**

[3 credit hours]

Critical appraisal of current theory and research in mathematics education. Emphasis on issues related to teacher practice, student learning, and curriculum development.

Term Offered: Spring, Summer, Fall**CI 8650 Teacher Learning and Education**

[3 credit hours]

Designed for future teacher educators and teacher leaders, students investigate frameworks for teacher professional knowledge including pedagogical content knowledge, teacher learning, educative mentoring, and program design. Teacher educators' roles as leaders for teacher learning and improvement are examined.

CI 8690 Theory And Research In Science Education

[3 credit hours]

Designed for individuals beginning their thesis, project, or seminar paper phase of their graduate program, this course explores both theory and research in science education. Based on an area of interest, students review and critically analyze the research literature in science education. Students also learn how to find primary sources, read and critique research, and organize and write a literature review.

Term Offered: Spring, Summer, Fall**CI 8700 Doctoral Pro-Seminar I: Introduction to Scholarship in Curriculum and Instruction**

[3 credit hours]

The doctoral research cycle begins by introducing students to issues in curriculum and instruction, establishing a research agenda, and building a community of scholars. Pre-requisite to Pro-Seminar II.

Term Offered: Spring, Fall**CI 8710 Doctoral Pro-Seminar II: Themes in theory and research in Curriculum and Instruction**

[3 credit hours]

The doctoral research cycle continues by examining the paradigmatic and theoretical bases of C&I research. Develop lines of inquiry grounded in theoretical knowledge and personal interests. Prerequisite: Pro-Seminar I.

Prerequisites: CI 8700 with a minimum grade of D-**Term Offered:** Spring, Summer**CI 8720 Doctoral Pro-Seminar III: Themes in theory and research in curriculum and instruction.**

[3 credit hours]

The doctoral research cycle is completed. A study is designed, conducted and disseminated within a research group under the guidance of a mentor. Prerequisite: CI 8700 + 8710.

Prerequisites: CI 8710 with a minimum grade of D-**Term Offered:** Spring, Summer, Fall**CI 8790 Theory And Research In Social Studies**

[3 credit hours]

Intensive study of research and theoretical considerations related to the development and current status of learning and instruction in the social studies. Historical and contemporary contextual factors such as policy and standards are explored. The reciprocal nature of research and practice is a central theme of the course. Individualized culminating projects focus on issues related to learning and instruction in the social studies.

Term Offered: Spring, Fall**CI 8800 Foundations Of Curriculum & Instruction**

[3 credit hours]

The purpose of CI 6800/8800, Foundations of Curriculum, is to provide an introduction to the foundational areas that affect the design and development of curriculum. This includes the history, social forces, philosophy, and psychology behind many of the curriculum practices and issues that exist in schools today as well as the nature of the curriculum development process. As a result, the course is designed to increase the learner's awareness of the field of curriculum and to introduce specific skills in design and development.

Term Offered: Spring, Summer, Fall

CI 8810 Curriculum Development: K-12

[3 credit hours]

The purpose of CI 6810/8810, Curriculum Development: K-12, is to provide appropriate background information and practice in curriculum and instructional design and direct experiences in approaching this process imaginatively. The course will focus on how to use both traditional and emerging models of curriculum design and development to create a working curriculum and to design instructional based on research-based theories of learning and models of teaching.

Term Offered: Spring, Fall**CI 8830 Curriculum Trends And Issues**

[3 credit hours]

Designed for advanced students of education, this course guides students in exploring core ideas to develop a framework for the study of teaching. Students investigate issues of what and how to teach in the content areas as well as explore the knowledge of expert content teachers. As a core graduate course in curriculum and instruction, students analyze and integrate ideas to form a theoretical framework and are guided in developing professional written work grounded in the literature. Students explore questions and approaches for research on content teaching.

Term Offered: Spring, Summer**CI 8840 Curriculum For Educational Leaders**

[3 credit hours]

The purpose of this course is to introduce educational leaders to research-based leadership theories and principles and how these apply to P-12 school settings. Building principals, teacher leaders, and instructional coaches will focus on creating learning environments throughout the school that increase teacher effectiveness, utilize alternative assessment strategies, and focus on connecting curriculum, instruction and assessment in all classrooms.

Term Offered: Spring, Fall**CI 8860 Advanced Curriculum Theory**

[3 credit hours]

This course is designed to build on the foundational concepts and principles introduced in CI 6800/8800 and to explore, analyze and evaluate curriculum theory as it applies to curriculum studies as a discipline. This course will explore curriculum theory as a “complicated conversation” led by educators with the knowledge of contemporary social issues, history, philosophy and popular culture. The course will analyze and evaluate modernist and postmodern theories and practices and engage students with readings, discussions, and interactions with influential curriculum theorists.

Term Offered: Spring, Fall**CI 8900 Doctoral Seminar In Curriculum And Instruction**

[2-4 credit hours]

This seminar will consider problems and provide advanced study for doctoral students in Curriculum and Instruction.

Term Offered: Spring, Summer, Fall**CI 8930 Independent Research In Curriculum And Instruction**

[1-5 credit hours]

Individual study is designed to provide the doctoral student opportunity to work individually on professional problems under the direction of CI faculty.

Term Offered: Spring, Summer, Fall**CI 8940 Doctoral Internship In Curriculum And Instruction**

[1-3 credit hours]

Placement of doctoral students in appropriate school, school district, or other professional setting under direction of appropriate mentors or advisors.

Term Offered: Spring, Fall**CI 8960 Dissertation In Curriculum And Instruction**

[1-10 credit hours]

Original research in an area of curriculum and instruction.

Term Offered: Spring, Summer, Fall