**CURRICULUM AND INSTRUCTION (CI)**

**Curriculum and Instruction (CI) Courses**

**CI 5003. Theory of Curriculum and Instruction. (3-0) 3 Credit Hours.**
An examination of theoretical structures underlying curriculum considerations and the implications of these for the work of responsible curriculum decision-makers at all levels, including administrators, instructional supervisors, and classroom teachers. (Formerly C&I 5003. Credit cannot be earned for both C&I 5003 and CI 5003.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

**CI 5013. Curriculum, Instruction and Assessment. (3-0) 3 Credit Hours.**
Prerequisite: CI 5003. Examination of different pedagogical approaches to the teaching and learning process in schools, with emphasis on the development of curriculum for classroom instruction, evaluation, organization, and management. (Formerly C&I 5013. Credit cannot be earned for both C&I 5013 and CI 5013.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

**CI 5043. Classroom Management and Motivation. (3-0) 3 Credit Hours.**
A detailed investigation of various theories and models of classroom management and motivation. Topics include behavior modification, assertive discipline, control theory, and the concept of the democratic classroom. (Formerly C&I 5043. Credit can only be earned for one of the courses: C&I 5043, EDP 5043, or CI 5043.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

**CI 5523. Metacognitive Learning Principles. (3-0) 3 Credit Hours.**
Metacognition as a foundational learning construct is considered first as it is presented in the literature and then as a lived experience of reflective practice. Core questions include: What are ways of knowing? How does one know what and how one knows? What are appropriate metacognitive strategies across curriculum contexts? Each participant will explore motivation with three foci: theory, practical application toward the self and practical application toward others. (Formerly C&I 5523. Same as ECE 6753. Credit can only be earned for one course: ECE 6753, C&I 5523, or CI 5523.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

**CI 5703. Secondary School Curricula. (3-0) 3 Credit Hours.**
A systematic analysis of secondary school curriculum. A critical study of objectives, methods of organization, content, methods, and learning materials for youth. (Formerly C&I 5703. Credit cannot be earned for both CI 5703 and C&I 5703.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

**CI 5933. Service-Learning. (3-0) 3 Credit Hours.**
History, rationale, research, methodology, and outcomes of service-learning. Students will conceptualize, plan, and participate in a service-learning project. Emphasis is on how service can be incorporated into curriculum with a primary focus on learning. (Formerly C&I 5933. Credit cannot be earned for both CI 5933 and C&I 5933.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

**CI 6003. Research in Subject Matter Fields. (3-0) 3 Credit Hours.**
Prerequisite: CI 5003. A study of various past and current educational philosophies, purpose and methods of educational research including research of content, pedagogy, technology, and research on teaching and learning of concepts and skills, standards and assessments. Examination and in-depth discussion of existing links between educational research in specific subject fields and classroom practice. May be offered in: Science; Mathematics; Social Studies; English Language Arts; Foreign Languages; Physical and Health Education; Interdisciplinary. May be repeated once for credit (for a total of 6 hours) when disciplines vary. (Formerly C&I 6003. Credit cannot be earned for both CI 6003 and C&I 6003.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

**CI 6103. Research in Action. (3-0) 3 Credit Hours.**
Action research across diverse contexts. The course includes a consideration of history and definitions of action research, and an analysis of its purpose, process, and theoretical foundations. Students will engage in practitioner-based research strategies such as observations, interviews, and document analysis and conceptualize, plan, and conduct an action research study. (Formerly C&I 6103. Same as ECE 6653. Credit can only be earned for one course: CI 6103, C&I 6103, or ECE 6653.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

**CI 6123. Critical Perspectives in Curriculum and Instruction. (3-0) 3 Credit Hours.**
An examination of curriculum at the intersection of power, identity, knowledge, and cultural politics. Critical theoretical frameworks introduced in this course include critical social theories and postmodernism. (Formerly C&I 7123 and C&I 6123. Credit can only be earned for one course: CI 6123, C&I 6123 or C&I 7123.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

**CI 6133. Curriculum in International Contexts. (3-0) 3 Credit Hours.**
This course explores curriculum through comparative analysis of education practices in international contexts. Questions include: How is learning approached globally? How does a global perspective on curriculum transform local and global educational practices? (Formerly C&I 6133. Credit cannot be earned for both CI 6133 and C&I 6133.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

**CI 6303. Advanced Methods in Subject-Matter Fields. (3-0) 3 Credit Hours.**
Prerequisite: CI 5003 or consent of instructor. Course sections are designed to offer students the opportunity to develop skill in instructional methodology specifically related to and derived from the characteristics of the discipline taught: Science; Mathematics; Social Studies; Language Arts; Foreign Languages; Physical and Health Education; Interdisciplinary; Environmental Education. May be repeated for credit when disciplines vary. (Formerly C&I 6303.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

**CI 6383. Community-Based Research. (3-0) 3 Credit Hours.**
Overview of curricular and instructional principles for Community-Based Research (CBR). (Formerly ALT 6933 and C&I 6383. Credit can only be earned for one course: C&I 6383, ALT 6933, or CI 6383). Course Fees: GH01 $75; LRH1 $10; STSH $18.

**CI 6513. Grant Writing. (3-0) 3 Credit Hours.**
Grant writing basics and specifics. The course is designed to help educators learn how to conceptualize, write, and submit a grant application. Students will learn how to identify funding entities, develop a theoretical and research base for grants, create timelines, and utilize grant-writing strategies. (Formerly C&I 6513. Same as ECE 6513. Credit can only be earned for one course: C&I 6513, ECE 6513, or CI 6513.) Course Fees: GH01 $75; LRH1 $10; STSH $18.
CI 6603. Critical Pedagogy. (3-0) 3 Credit Hours.
Students will become familiar with key concepts and principles of critical theory, critical pedagogy, and social justice education to inform their teaching, leadership, scholarship, and perhaps, their lives. The course also focuses on writing scholarly essays about critical pedagogy that encourages scholarly discourse with peers. Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 6613. Nature and Meaning of Interdisciplinary STEM Education. (3-0) 3 Credit Hours.
This course focuses on the nature and meaning of STEM with special emphasis on the role of interdisciplinary STEM in educational environments. Participants will be asked to take a critical perspective on questions, such as: “What is Interdisciplinary STEM Education?” and “What about Interdisciplinary STEM Education is most important for a student to know?” The course will address the nature of STEM disciplines (the theories and problems which characterize them); the relationship between theory and empirical work; and the role of learning and teaching in pre-K–16 environments. (Formerly C&I 5613 and C&I 6613. Credit can only be earned for one course: C&I 6613, C&I 5613, or CI 6613.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 6623. Inquiry in Interdisciplinary STEM Education. (3-0) 3 Credit Hours.
This course will explore developing and designing learning environments for interdisciplinary STEM Education through inquiry. Provides a broad foundation into the teaching, learning, and research of interdisciplinary STEM Education in both formal and informal contexts. (Formerly C&I 5623 and C&I 6623. Credit can only be earned for one course: C&I 6623, C&I 5623, or CI 6623.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 6633. Equity, Agency, and Participation in Interdisciplinary STEM Education. (3-0) 3 Credit Hours.
This course will focus on equity, agency, and participation issues in interdisciplinary STEM Education as they relate to diverse demographics and communities. Agency is explored both as a process of becoming aware of and confident in one's ability to impact the community at large, as well as an expression and hallmark of democratic settings. (Formerly C&I 5633 and C&I 6633. Credit can only be earned for one course: C&I 6633, C&I 5633, or CI 6633.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 6643. Assessment in Interdisciplinary STEM Education. (3-0) 3 Credit Hours.
This course explores a broad range of issues related to interdisciplinary research in assessment of student understanding in Science, Technology, Engineering, and Mathematics (STEM) and the underlying perspectives that guide what it means for students to understand fundamental STEM ideas. Topics on authentic assessment, elicitation of student thinking, formative assessment, and ethics and equity in assessment from an interdisciplinary perspective in STEM will be covered. Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 6663. Topics in Curriculum and Instruction. (3-0) 3 Credit Hours.
Students are provided the opportunity for in-depth study of specialized areas of curriculum and instruction. The course may be repeated for credit when topics vary. 6 hours may be applied to the degree. (Formerly C&I 5663 and C&I 6663.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 6673. Policy and Critical Issues in Teaching. (3-0) 3 Credit Hours.
Prerequisites: CI 5003 and CI 5013. Study of critical issues in school. Investigation of research, practices, and policies related to special education, bilingual and multicultural education, early childhood education, middle and secondary schools and other current broad-based social issues. (Formerly C&I 5673 and C&I 6673. Credit can only be earned for one course: C&I 6673, C&I 5673, or CI 6673.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 6693. History, Policy and Critical Issues in Social Studies Education. (3-0) 3 Credit Hours.
This course will present both the history and foundations of social studies education in America and how these have evolved over time. Students will investigate policies that impact social studies education from both historical and current viewpoints. Students will study, debate, and form a position on the research, practices and policies related to current critical issues in social studies education. (Formerly C&I 6693. Credit cannot be earned for both CI 6693 and C&I 6693.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 6733. Fundamentals of Environmental Education. (3-0) 3 Credit Hours.
Provides educators with the knowledge and skills necessary to incorporate quality environmental education into their instruction and curriculum. Explores the explanation of the theory, history, definition, national standards, and goals of environmental education. Provides an understanding of the professional roles and instructional methods and assessment strategies of environmental educators within the context of environmental education. (Same as ECE 6733. Formerly C&I 6733. Credit can only be earned for one course: ECE 6733, C&I 6733, or CI 6733.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 6773. Environmental Education in the Curriculum. (3-0) 3 Credit Hours.
An exploration of the integration of environmental concepts and environmental education curricula into the total school curriculum. Using local, accessible outdoor locations, students will explore the many aspects that come together to create a “Sense of Place.” This course will assist students to discover and interpret the natural history and critical environmental issues of their local communities through a variety of mediums. It is designed for educators who want to help learners of all ages to discover the wonders and intricacies of the natural world. (Formerly C&I 6773. Same as ECE 6773. Credit can only be earned for one course: ECE 6773, C&I 6773, or CI 6773.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 6903. Environmental Issues Investigations. (3-0) 3 Credit Hours.
Rationale and strategies for investigating environmental issues at local, state, regional, or national levels. Select and implement actions to resolve issues through political, economic, legal, educational, and lifestyle avenues. (Formerly C&I 6903. Same as ECE 6903. Credit can only be earned for one course: C&I 6903, ECE 6903, or CI 6903.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 6913. Advanced Topics in Interdisciplinary STEM Education. (3-0) 3 Credit Hours.
Topics and critical issues in interdisciplinary STEM education. Topics include focus on (1) research and development of innovative STEM learning and emerging STEM learning environments in both in and out of school settings, and (2) research that advances the field of formal and informal STEM Education. May be repeated for credit when topics vary. (Formerly C&I 6913.) Course Fees: GH01 $75; LRH1 $10; STSH $18.
CI 6923. Mentoring. (3-0) 3 Credit Hours.
Description, analysis, and appraisal of mentoring for prospective and practicing teachers. In addition to learning about the research of mentoring, the course focuses on the examination of content, processes, roles, and responsibilities in interactions of mentors and teachers of prekindergarten through high school. (Formerly C&I 5923 and C&I 6923. Credit can only be earned for one course: C&I 6923, C&I 5923, or CI 6923.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 6931. Curriculum and Instruction Practicum. (0-0) 1 Credit Hour.
An exploration of the teaching profession. Required field experience for all graduate-level teacher certification students. (Formerly C&I 6931. Credit cannot be earned for both CI 6931 and C&I 6931.) Course Fees: GH01 $25; LRH1 $10; STSH $6.

CI 6933. Curriculum and Instruction Practicum. (0-0) 3 Credit Hours.
An exploration of the teaching profession. Required field experience for all graduate-level teacher certification students. (Formerly C&I 6933. Credit cannot be earned for both CI 6933 and C&I 6933.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 6943. Interdisciplinary Internship. (0-0) 3 Credit Hours.
Prerequisite: Consent of student’s graduate advisor. Individually supervised experience in assigned placements for one semester to assist students in developing professional and leadership skills. May be taken for teaching internship or student teaching. Enrollment in CI 6943 (3 credit hours) requires a total of 130 hours in the field and enrollment in CI 6946 (6 credit hours) requires a total of 260 hours in the field. May be repeated for credit, but not more than 6 hours may be applied toward the M.A. in Education degree. (Formerly C&I 6943.) Course Fees: GH01 $75; LRH1 $10; STF1 $57; STSH $18.

CI 6946. Interdisciplinary Internship. (0-0) 6 Credit Hours.
Prerequisite: Consent of student’s graduate advisor. Individually supervised experience in assigned placements for one semester to assist students in developing professional and leadership skills. May be taken for teaching internship or student teaching. Enrollment in CI 6946 (3 credit hours) requires a total of 130 hours in the field and enrollment in CI 6946 (6 credit hours) requires a total of 260 hours in the field. May be repeated for credit, but not more than 6 hours may be applied toward the M.A. in Education degree. (Formerly C&I 6946.) Course Fees: GH01 $150; LRH1 $10; STF1 $57; STSH $36.

CI 6951. Independent Study. (0-0) 1 Credit Hour.
Prerequisites: Approval of the instructor and the Graduate Advisor of Record. Independent reading, research, discussion and/or writing under the direction of a faculty member. For students needing specialized work not normally or not often available as part of the regular course offerings. May be repeated for credit, but not more than 6 hours, regardless of discipline, will apply to the degree. (Formerly C&I 6951.) Course Fees: GH01 $25; STSH $6.

CI 6953. Independent Study. (0-0) 3 Credit Hours.
Prerequisites: Approval of the instructor and the Graduate Advisor of Record. Independent reading, research, discussion and/or writing under the direction of a faculty member. For students needing specialized work not normally or not often available as part of the regular course offerings. May be repeated for credit, but not more than 6 hours, regardless of discipline, will apply to the degree. (Formerly C&I 6953.) Course Fees: GH01 $75; STSH $18.

CI 6963. Interdisciplinary STEM Education Trends and Issues. (3-0) 3 Credit Hours.
Introduction to historical and contemporary K-16 STEM Education developments, opportunities, and challenges from both discipline-based and integrative approaches. Students will examine current Interdisciplinary STEM Education initiatives and considerations pertaining to policy, structure, process, and student learning. (Formerly C&I 6963. Credit cannot be earned for both CI 6963 and C&I 6963.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 6973. Special Problems. (3-0) 3 Credit Hours.
Prerequisite: Consent of instructor. An organized course offering the opportunity for specialized study not normally or not often available as part of the regular course offerings. Special Problems courses may be repeated for credit when topics vary, but not more than 6 hours, regardless of discipline, will apply to the M.A. in Education degree. (Formerly C&I 6973.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 6983. Master's Thesis. (0-0) 3 Credit Hours.
Prerequisites: Permission of the Graduate Advisor of Record and thesis director. Thesis research and preparation. May be repeated for credit, but not more than 6 hours will apply to the Master's degree. Credit will be awarded upon completion of the thesis. Enrollment is required each term in which the thesis is in progress. (Formerly C&I 6983.) Course Fees: GH01 $75; STSH $18.

CI 7153. Critical Multicultural Education in Urban Schools. (3-0) 3 Credit Hours.
Historical and theoretical overview of multicultural education across multiple contexts including urban education. Specific focus is paid to the emergence of Critical Multicultural Education as a pedagogical and curricular tool used to transform schools through the exploration of research in the field and in engaging with curriculum transformation processes. Students engage in the development of a strong theoretical foundation from which to think more complexly about equity and diversity related schooling processes. (Formerly C&I 7153. Credit cannot be earned for both CI 7153 and C&I 7153.) Course Fees: GH01 $75; LRH1 $10; STSH $18.

CI 7771. Independent Study. (0-0) 1 Credit Hour.
Prerequisites: Doctoral standing and permission in writing (form available) of the instructor and the student's Graduate Advisor of Record. Independent reading, research, discussion, and/or writing under the direction of a faculty member. For students needing specialized work as part of the regular course offerings. May be repeated for credit, but no more than 6 hour will apply to the Doctoral degree. (Formerly C&I 7771.) Course Fees: GH01 $25; STSH $6.

CI 7773. Independent Study. (0-0) 3 Credit Hours.
Prerequisites: Doctoral standing and permission in writing (form available) of the instructor and the student's Graduate Advisor of Record. Independent reading, research, discussion, and/or writing under the direction of a faculty member. For students needing specialized work as part of the regular course offerings. May be repeated for credit, but no more than 6 hours will apply to the Doctoral degree. (Formerly C&I 7773.) Course Fees: GH01 $75; STSH $18.

CI 7893. Directed Doctoral Research. (0-0) 3 Credit Hours.
Supervised research on a topic in Interdisciplinary Learning and Teaching. May be repeated for credit, but no more than 6 hours may be applied to the Doctoral degree. (Formerly C&I 7893.) Course Fees: GH01 $75; STSH $18.