

CURRICULUM AND INSTRUCTION (CI)

Curriculum and Instruction (CI) Courses

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 \$90; LRH1 \$20.54; STSH \$30.81.

CI 5053. Perspectives on Teaching, Learning and Classroom Culture. (3-0) 3 Credit Hours.

In this course, students are introduced to Universal Design for Learning, an approach that aims to meet the diverse needs of all learners. The course's focus on instructional equity is strengthened by the integration of culturally responsive/sustaining pedagogy, social emotional learning, trauma-informed pedagogy, and restorative justice practices. Students will explore classroom ecology by examining the deep connection between a teacher's curricular and instructional choices and how it shapes the EC-12 classroom environment. Students will apply their developing knowledge of these concepts and skills by designing curricular materials that demonstrate the importance of fostering a healthy and supportive learning environment. Field experience required. Course fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 5063. Teaching and Learning in the Secondary School. (3-0) 3 Credit Hours.

This course is a study of curricular, instructional, and management approaches to teaching in the secondary schools. Emphasis on developing instructional and curricular strategies that are effective in teaching across content areas. Course will address special populations of students, application of instructional media, technology, and classroom management for the content areas. Field experience required. Course fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 5303. Instructional Methods in Subject-Matter Fields. (3-0) 3 Credit Hours.

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 CI 6303 and C&I 6303. Credit can only be earned for one of the following: C&I 6303, CI 6303, and CI 5303.) Course Fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

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 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6003. Theory of Curriculum and Instruction. (3-0) 3 Credit Hours.

This course is 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, classroom teachers, and educational professionals in alternative, community-based, and/or university settings. The course analyzes various issues of curriculum and instruction that affect learners and educators at the local, state, national, and global level. The course offers an introduction to the historical, theoretical, and philosophical perspectives of curriculum and instruction theory in relation to current trends that influence learners' educational experiences. (Formerly C&I 5003 and CI 5003. Credit can only be earned for one of the following: C&I 5003, CI 5003, or CI 6003.) Course Fees: DL01 \$75; GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6013. Curriculum, Instruction and Assessment. (3-0) 3 Credit Hours.

Prerequisite: Concurrent or previous enrollment in CI 6003 (or CI 5003 in previous catalogs). This course is designed to serve as an exploration of the cycle of planning, instruction, and assessment of curriculum in classrooms and an exploration of and reflection on the ways teachers develop a professional identity within a highly politicized and high stakes context. This teaching and learning process will be analyzed in order to gain an understanding of the ways a teacher's philosophical, pedagogical, and socio-political orientations, as well as their interaction with their teaching context impacts teaching and learning, and ultimately their students' academic success. (Formerly CI 5013 and C&I 5013. Credit can only be earned for one of the following: C&I 5013, CI 5013, and CI 6013.) Course Fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6023. Secondary School Curricula. (3-0) 3 Credit Hours.

This course is an exploration of the history of Secondary Education in the United States. A systematic analysis of secondary school curricula. A critical study of objectives, methods of organization, content, methods, and learning materials for youth. (Formerly CI 5703 and C&I 5703. Credit can only be earned for one of the following: C&I 5703, CI 5703, and CI 6023.) Course Fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6063. Research in Subject Matter Fields. (3-0) 3 Credit Hours.

Prerequisite: CI 6003 (or CI 5003 in previous catalogs). 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. Course Fee: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

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. (Same as ECE 6653. Credit cannot be earned for both CI 6103 and ECE 6653.) Course Fee: DL01 \$75; GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6123. Critical Perspectives in Curriculum and Instruction. (3-0) 3 Credit Hours.

This course is 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. Course Fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

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 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6143. Funds of Knowledge Theory and Application in Curriculum and Instruction. (3-0) 3 Credit Hours.

Course will explore the theoretical underpinnings and application of Funds of Knowledge in curriculum and instruction. Emphasis will be on ways to build trust with families and communities when exploring their funds of knowledge through anthropological and ethnographic research methods. Students will learn about how cultural knowledge and practices can be viewed as assets in the classroom. Students will learn how to elicit and incorporate students' and families' funds of knowledge into their practice. Course fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6153. Innovative Approaches to Curriculum Transformation in Elementary and Secondary Settings. (3-0) 3 Credit Hours.

In this course, students learn how to transform "mainstream," "traditional," or "Eurocentric" EC-12 and higher education curricula using critical, decolonized, abolitionist, sustaining, or revitalizing, among other approaches to improve teaching effectiveness, student learning outcomes, and the overall quality of teaching and learning. Course fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6313. Research Design I: Introduction to Research Methods in Curriculum and Instruction. (3-0) 3 Credit Hours.

Prerequisite: CI 6003 and CI 6013. An introduction to quantitative and qualitative paradigms of research design appropriate for educational settings, including formal and informal contexts, such as: action research, design-based research, teaching experiments, and other approaches. A consideration of history and definitions, as well as an analysis of purposes, process, and theoretical foundations will be addressed. Students will engage in practitioner-based research strategies such as observations, interviews, and document analysis and conceptualize, plan and conduct a research study. Course fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6323. Research Design II: Application and Analysis of Research in Curriculum and Instruction. (3-0) 3 Credit Hours.

Prerequisite: CI 6003, CI 6013, and concurrent or previous enrollment in CI 6313. A consideration of research design appropriate for educational settings, including formal and informal contexts, such as: action research, design-based research, teaching experiments, and other approaches. A consideration of history and definitions, as well as an analysis of purposes, process, and theoretical foundations will be addressed. Students will continue engaging in practitioner-based research strategies such as observations, interviews, and document analysis and conceptualize, plan and conduct a research study. Course fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6383. Community-Based Research. (3-0) 3 Credit Hours.

This course is an overview of designs for Community-Based Research (CBR), such as Community-Based Participatory Research, Community-Engaged Research, Community-Based Action Research, and other approaches. A consideration of history and definitions, as well as analysis of purposes, process, and critical theoretical frameworks will be addressed. Students will engage in CBR strategies that situate conceptualizing, planning, and conducting a research study informed by, in partnership, and/or engaged with community. (Formerly ALT 6933 and C&I 6383. Credit can only be earned for one of the following: ALT 6933, C&I 6383, and CI 6383.) Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

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 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6523. Metacognitive Learning Principles. (3-0) 3 Credit Hours.

This course covers metacognition as a foundational learning construct that 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 curricular contexts? Each participant will explore motivation with three foci: theory, practical application toward the self, and practical application toward others. (Formerly CI 5523, C&I 5523, and ECE 6753. Credit can only be earned for one of the following: CI 5523, C&I 5523, ECE 6753, and CI 6523.) Course Fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

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 \$90; LRH1 \$20.54; STSH \$30.81.

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 6613. Credit cannot be earned for both C&I 6613 and CI 6613.) Course Fees: DL01 \$75; GH01 \$90; LRH1 \$20.54; STSH \$30.81.

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 6623. Credit cannot be earned for both C&I 6623 and CI 6623.) Course Fees: DL01 \$75; GH01 \$90; LRH1 \$20.54; STSH \$30.81.

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 6633. Credit cannot be earned for both C&I 6633 and CI 6633.) Course Fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

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 \$90; LRH1 \$20; STSH \$30.

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. Only 6 hours may be applied to the degree. (Formerly C&I 5663 and C&I 6663.) Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

CI 6673. Policy and Critical Issues in Teaching. (3-0) 3 Credit Hours.

Prerequisites: CI 6003 and CI 6013 (or CI 5003 and CI 5013 in previous catalogs). This course is a 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 6673. Credit cannot be earned for both C&I 6673 and CI 6673.) Course Fees: DL01 \$75; GH01 \$90; LRH1 \$20.54; STSH \$30.81.

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 the United States. Students will investigate how policies impact social studies education from both historical and current perspectives. Students will also examine, discuss, and form positions on the research, practices, reforms, 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 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6733. Fundamentals of Environmental Education. (3-0) 3 Credit Hours.

This course 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 of the following: ECE 6733, C&I 6733, or CI 6733.) Course Fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6773. Environmental Education in the Curriculum. (3-0) 3 Credit Hours.

This course is 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 of the following: C&I 6773, CI 6773, or ECE 6773.) Course Fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6903. Environmental Issues Investigations. (3-0) 3 Credit Hours.

This course covers 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 of the following courses: C&I 6903, CI 6903, or ECE 6903.) Course Fees: GH01 \$90; LRH1 \$20; STSH \$30.

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 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6923. Mentoring. (3-0) 3 Credit Hours.

This course includes description, analysis, and appraisal of mentoring for prospective and practicing teachers. In addition to learning about the review of research on 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 6923. Credit cannot be earned for both C&I 6923 and CI 6923.) Course Fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

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 \$30; LRH1 \$20; STSH \$10.

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 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6943. Interdisciplinary Internship. (0-0) 3 Credit Hours.

Prerequisite: Consent of student's graduate advisor. This internship is an 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 clinical teaching. Taken on a credit/no-credit basis. Enrollment in CI 6943 (3 credit hours) requires a total of 130 hours in the field. May be repeated for credit, but not more than 6 hours may be applied toward the M.A. in Curriculum and Instruction degree. (Formerly C&I 6943. Credit cannot be earned for both C&I 6943 and CI 6943.) Course Fees: GH01 \$90; LRH1 \$20.54; STF1 \$75; STSH \$30.81.

CI 6946. Interdisciplinary Internship. (0-0) 6 Credit Hours.

Prerequisite: Consent of student's graduate advisor. This internship is an 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 clinical teaching. Enrollment in CI 6946 (6 credit hours) requires a total of 260 hours in the field. Taken on a credit/no-credit basis. May be repeated for credit, but not more than 6 hours may be applied toward the M.A. in Curriculum and Instruction degree. (Formerly C&I 6946. Credit cannot be earned for both C&I 6946 and CI 6946.) Course Fees: GH01 \$180; LRH1 \$20.54; STF1 \$75; STSH \$61.62.

CI 6951. Independent Study. (0-0) 1 Credit Hour.

Prerequisite: 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 Fee: GH01 \$30; STSH \$10.27.

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 \$90; STSH \$30.81.

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: DL01 \$75; GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6973. Special Problems. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor. This is 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 no more than 6 hours, regardless of discipline, will apply to the M.A. in Curriculum and Instruction degree. (Formerly C&I 6973. Credit cannot be earned for both C&I 6973 and CI 6973.) Course Fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 6981. Master's Thesis. (0-0) 1 Credit Hour.

Prerequisite: 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. Course fees: GH01 \$30; LRH1 \$20.54; STSH \$10.27.

CI 6982. Master's Thesis. (0-0) 2 Credit Hours.

Prerequisite: 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. Course fees: GH01 \$60; LRH1 \$20.54; STSH \$20.54.

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 \$90; STSH \$30.81.

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 \$20.54; STSH \$30.81.

CI 7213. Instructional Strategies and Learning to Teach in Higher Education. (3-0) 3 Credit Hours.

Students are introduced to the pedagogies and approaches utilized in higher education courses. Topics include: the role and work of the higher education instructor, curriculum design and implementation, authentic assessment practices and teaching strategies for working with adult learners. Course fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 7223. Historical Foundations and Current Issues in Teacher Education. (3-0) 3 Credit Hours.

Students explore research in and about teachers and teacher education. Topics covered include an analysis of historical and foundational literature on effective teaching practices, teacher knowledge and beliefs, teaching quality, the influence of teaching and school contexts and culture on teaching practice and curriculum. In the end, it examines the complex relationship between schooling, teaching, and learning of students of diverse backgrounds. Course fees: GH01 \$90; LRH1 \$20.54; STSH \$30.81.

CI 7771. Independent Study. (0-0) 1 Credit Hour.

Prerequisite: Doctoral standing and permission in writing (form available) of the instructor and the student's Graduate Advisor of Record. This course includes 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 7771. Credit cannot be earned for both C&I 7771 and CI 7771.) Course Fees: GH01 \$30; STSH \$10.

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 \$90; STSH \$30.

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 \$90; STSH \$30.81.