Curriculum and Instruction

Curriculum and Instruction Courses

CI112 - Strategic Reading Lab The strategic reading lab assists students in mastering the strategies necessary to interact with and comprehend college text(s).The lab is taught in conjunction with ENGL 101 so that students can become more aware of their reading and writing behaviors. The lab focuses on strategies with text(s) and critical analysis of text(s).

CI120 - Mathematics Content and Methods for Elementary School I (Same as MATH 120) Modern approaches to mathematics instruction for the elementary grades. Mathematics content includes problem solving, intuitive set theory, development of whole numbers, integers and rational numbers and the fundamental arithmetic operations. Place value. Prime numbers and divisibility properties. Computation includes students' informal mathematics, mental computation and estimation, algorithms and the appropriate use of calculators. Emphasis is placed throughout on reasoning, multiple representations of mathematical concepts, making connections and communication. Three hours lecture/laboratory per week. Prerequisite: Three years of college preparatory mathematics including Algebra I, Algebra II and Geometry and satisfactory placement score.

CI199 - Introduction to College Research Use of resources such as the library, electronic databases, and the Internet in order to find, evaluate, and use information effectively, efficiently, and ethically. Students will learn to determine the extent of the information needed, as well as learn to use software tools to manage their research.

CI321 - Mathematics Content and Methods for the Elementary School III (Same as MATH 321) Modern approaches to mathematics instruction for the elementary grades. Mathematics content focuses on: straight-edge and compass construction. Justification and proof of geometric properties. Three-dimensional geometry. Coordinate geometry. Transformations expressed in coordinate notation. Analysis of linear relationships geometrically and algebraically. Modeling various "real-world" situations by linear equations and inequalities. Setting up and solving equations and inequalities. Exploration of statistical data. Representation of data, interpretation of data, misrepresentation of data. Introduction to the fundamental ideas of statistics; measures of spread and central tendency. Introduction to the fundamental concepts of probability. Counting techniques needed for calculating probabilities. Dependent and independent events. Conditional probability. Odds, expected value. Simulation. Emphasis is placed throughout on reasoning, multiple representations of mathematical concepts, making connections and communication. Prerequisite: C or better in ELED 220 or MATH 220 or equivalent.

CI322 - Mathematics Content and Methods for the Elementary School IV (Same as MATH 322) Modern approaches to mathematics instruction for the elementary grades. Mathematics content focuses on: algebra and algebraic thinking, geometry, relations and functions and their applications to real-life problems. Emphasis is placed throughout on reasoning, multiple representations of mathematical concepts, making connections and communication. Prerequisite: C or better in CI 321 or Mathematics 321.

CI324 - Teaching Tools for the Early Childhood Classroom In this course, students will learn to use multimedia technology and group management strategies appropriate for Kindergarten through third grade classrooms. They will develop professional leadership and collaboration skills and apply professional standards to analyze and reflect on their work. Prerequisite: Admission to the Teacher Education Program, ECFS 318A and ECFS 318B or concurrent enrollment in ECFS 318A and 318B, or consent of instructor.

CI390A - Readings-Curriculum In-depth reading in various areas of education as related to the field of curriculum. Special approval needed from the instructor.

CI390C - Readings-Language Arts In-depth reading in various areas of education as related to the field of language arts. Special approval needed from the instructor.

CI390D - Readings-Science In-depth reading in various areas of education as related to the field of science. Special approval needed from the instructor.

CI390E - Readings-Mathematics In-depth reading in various areas of education as related to the field of mathematics. Special approval needed from the instructor.

CI390F - Readings-Reading In-depth reading in various areas of education as related to the field of reading. Special approval needed from the instructor.

CI390G - Readings-Social Studies In-depth reading in various areas of education as related to the field of social studies. Special approval needed from the instructor.

CI390J - Readings-Middle School In-depth reading in various areas of education as related to the field of middle school. Special approval needed from the instructor.

CI390M - Readings-Instruction In-depth reading in various areas of education as related to the field of instruction. Special approval needed from the instructor.

CI390O - Readings-Environmental Education In-depth reading in various areas of education as related to the field of environmental education. Special approval needed from the instructor.

CI390P - Readings-Children's Literature In-depth reading in various areas of education as related to the field of children's literature. Special approval needed from the instructor.

CI390Q - Readings-Family Studies In-depth reading in various areas of education as related to the field of family studies. Special approval needed from the instructor.

CI393A - Individual Research in Education-Curriculum The selection, investigation, and writing of a research topic under the personal supervision of a member of the departmental staff. Maximum of 6 hours to be counted toward a bachelor's degree. Special approval needed from the instructor.

CI393C - Individual Research in Education-Language Arts The selection, investigation, and writing of a research topic under the personal supervision of a member of the departmental staff. Maximum of 6 hours to be counted toward a bachelor's degree. Special approval needed from the instructor.

CI393D - Individual Research in Education-Science The selection, investigation, and writing of a research topic under the personal supervision of a member of the departmental staff. Maximum of 6 hours to be counted toward a bachelor's degree. Special approval needed from the instructor.

CI393E - Individual Research in Education-Mathematics The selection, investigation, and writing of a research topic under the personal supervision of a member of the departmental staff. Maximum of 6 hours to be counted toward a bachelor's degree. Special approval needed from the instructor.

CI393F - Individual Research in Education-Reading The selection, investigation, and writing of a research topic under the personal supervision of a member of the departmental staff. Maximum of 6 hours to be counted toward a bachelor's degree. Special approval needed from the instructor.

CI393G - Individual Research in Education-Social Studies The selection, investigation, and writing of a research topic under the personal supervision of a member of the departmental staff. Maximum of 6 hours to be counted toward a bachelor's degree. Special approval needed from the instructor.

CI393I - Individual Research in Education-Elementary Education The selection, investigation, and writing of a research topic under the personal supervision of a member of the departmental staff. Maximum of 6 hours to be counted toward a bachelor's degree. Special approval needed from the instructor.

CI393J - Individual Research in Education-The Middle School-Junior High School The selection, investigation, and writing of a research topic under the personal supervision of a member of the departmental staff. Maximum of 6 hours to be counted toward a bachelor's degree. Special approval needed from the instructor.

CI393M - Individual Research in Education-Instruction The selection, investigation, and writing of a research topic under the personal supervision of a member of the departmental staff. Maximum of 6 hours to be counted toward a bachelor's degree. Special approval needed from the instructor.

CI393O - Individual Research in Education-Environmental Education The selection, investigation, and writing of a research topic under the personal supervision of a member of the departmental staff. Maximum of 6 hours to be counted toward a bachelor's degree. Special approval needed from the instructor.

CI401 - Designing Digital Games and Simulations This course focuses on the design and development of simulated environments (such as digital games and virtual worlds) and how they may be used for the delivery of online learning and instruction. The production process will focus on the use of suitable technologies and game development toolkits to create immediately usable prototypes for learning showcases.

CI407C - Diagnostic Teaching Strategies for Classroom Teachers-Language Arts Diagnostic instruments and teaching techniques with an emphasis on understanding and teaching students underachieving. Prerequisite: CI 423 or consent of instructor.

CI407E - Diagnostic Teaching Strategies for Classroom Teachers-Mathematics Diagnostic instruments and teaching techniques with an emphasis on understanding and teaching students underachieving. Prerequisite: CI 322 or consent of instructor.

CI407F - Diagnostic Teaching Strategies for Classroom Teachers-Reading Diagnostic instruments and teaching techniques with an emphasis on understanding and teaching students who are underachieving. Prerequisite: ELED 432 and ELED 433 with grades of C or better or consent of instructor.

CI409 - Curriculum Planning and Assessment in the Arts A graduate-level course designed to explore curriculum development for the visual and performing arts (e.g., drama, painting, drawing) and assessment strategies for the elementary and middle school level.

CI410 - Creative Writing in the Public School Techniques of encouraging creative writings in the schools.

CI411 - Research after College This course will acquaint students with theoretical concepts and professional resources relating to post-university research. This class will utilize professional and free resources that students will have access to after they graduate. Students will leave this class prepared to conduct research for professional or personal advancement as well as lifelong learning. Critical analysis of materials and resources will be strongly emphasized in the course.

CI412C - Improvement of Instruction in Early Childhood Education (Preschool-Grade 3)-Language Arts Examines recent findings, current practices, and materials used in early childhood education. Prerequisite: specialized methods course for the field of study selected by the student.

CI412D - Improvement of Instruction in Early Childhood Education (Preschool-Grade 3)-Science Examines recent findings, current practices, and materials used in early childhood education. Prerequisite: specialized methods course for the field of study selected by the student.

CI412E - Improvement of Instruction in Early Childhood Education (Preschool-Grade 3)-Mathematics Examines recent findings, current practices, and materials used in early childhood education. Prerequisite: specialized methods course for the field of study selected by the student.

CI412F - Improvement of Instruction in Early Childhood Education (Preschool-Grade 3)-Reading Examines recent findings, current practices, and materials used in early childhood education. Prerequisite: specialized methods course for the field of study selected by the student.

CI412G - Improvement of Instruction in Early Childhood Education (Preschool-Grade 3)-Social Studies Examines recent findings, current practices, and materials used in early childhood education. Prerequisite: specialized methods course for the field of study selected by the student.

CI415 - Teaching Middle School Mathematics [Grades 4-8] Examines current approaches to middle school mathematics and the use of meaningful instructional materials, quantitative literacy, and

technologies for problem solving. Students will share experiences and design activities for classroom use. Prerequisite: CI 322 and an overall GPA of at least 2.75, or consent of instructor.

CI421 - Family Literacy Programs, Policies, and Practices This course offers an in-depth look at family literacy programs, policies, and practices. The course adopts a sociocultural underpinning to explore how family literacy can contribute to the literacy growth of families and re-center parents as their children's first teachers. Topics include family diversity and funds of knowledge, the basic components of family literacy programs, opportunities for literacy learning, professional development and program improvement, and advocacy. Participants will gain an understanding of family literacy in historical, educational, social, and political contexts.

CI422 - Teaching Reading in the Elementary School Examination of the reading process with emphasis on the factors and conditions that affect reading. Emphasis also on the formulation of a philosophy of reading and its implications in relation to methods, materials, organizational procedures, and evaluation techniques. Enrollment restricted to consent of department.

CI423 - Teaching Elementary School English Language Arts This course covers the oral and written communication processes with emphasis on the English language arts in the elementary school. Focus on the fundamentals of academic and social language of all users of English. Effective planning, delivery, and assessment of literacy lessons align with the Illinois Common Core learning standards for writing, speaking and listening, and reading and that accommodate all learners in the elementary classroom, including English Language Learners (ELL) and students with Individualized Education Programs (IEP). Prerequisite: Communication Studies 101 or equivalent, C or better in CI 321 and CI 435, or consent of instructor. Note: Elementary Education majors must take CI 422 concurrently with this class.

CI428 - Inquiry Skills for Teaching Junior and Senior High School Science The major focus will be the application of inquiry skills as used in all areas of science instruction at the junior and senior high school levels; students will be expected to demonstrate mastery of basic and integrated science process skills through conducting and reporting results of science investigations.

CI429 - Instructional Methods for the Primary Child: Social Studies and Science Emphasis on creating optimum learning environments, planning for instruction, models of teaching, integrated learning and appropriate instructional methods in science and social sciences, grades 1-3. Concurrent enrollment in CI 430 required. Prerequisites: ECFS 318A,B, CI 324, or consent of instructor.

CI430 - Instructional Strategies for the Primary Child: Mathematics Emphasis on creating optimum learning environments, integrated learning and appropriate instructional methods in the content area of mathematics, grades 1-3. Concurrent enrollment in CI 429 required. Prerequisite: ECFS 318A,B, CI 324, with grades of C or better, or consent of instructor.

CI435 - Literature and Informational Texts for Children and Early Adolescents Students will engage with studies of various types of literature and informational texts as well as text exemplars from the common core initiative; analysis of literary qualities; selection of literature for various developmental needs of children in preschool, elementary school, and middle level settings; and research-based presentations of books and other media for use in various school settings. Prerequisite: C or better in English 101 and 102, and overall GPA of 2.75; or consent of instructor. Restriction: Admittance to the Teacher Education Program. Lab fee: $10.

CI441 - Multicultural Literature for Children Identification, selection and evaluation of books and audiovisual materials dealing with various cultural groups such as African Americans, Asian Americans, Native Americans, Hispanic Americans and European Americans.

CI445 - Literature and Informational Texts for Young Adults This course introduces quality literature and informational texts for young adults (grades 6-12). Students will engage with genres and authors of young adult literature, text exemplars from the common core initiative, cross-curricular rationales and differentiated instructional methodologies for integrating young adult literature with content and other text.

CI462 - Middle and Junior High School Programs Focuses on the development of middle and junior high school curriculum and the identification of instructional activities for early adolescents. Emphasis is placed on development of literacy strategies, developmentally appropriate teaching strategies,

interdisciplinary unit planning, teaming, and technologies and materials appropriate for teaching early adolescents, ages 10-14. Prerequisite: EDUC 313 or consent of instructor.

CI463 - Meeting the Social and Emotional Needs of Gifted Children Deals with strategies for meeting the social and emotional needs of gifted children in the classroom. In particular, this course focuses on low-incidence gifted students, including underachievers, minorities and females. The course will not only cover particular curriculum and instruction strategies designed for this population and will emphasis strategies for teachers to be more facilitative in assisting these students to accept and realize their potential. Prerequisite: CI 467 or consent of instructor.

CI466 - Documenting Accomplished Teaching This course will help teachers understand and gain requisite skills for participation in the National Board for Professional Teaching Standards (NBPTS) certification process. As part of learning to understand and document NBPTS standards, teachers will describe, analyze and reflect on drafts of written commentaries, videotapes of small and large group lessons, and student work.

CI467 - Methods and Materials in the Education of the Gifted Content focused on the most appropriate instructional strategies and materials to be utilized with the gifted. Time spent practicing teaching models, designing materials and developing teaching units. Emphasis placed on techniques for individualizing instruction for the gifted and talented students.

CI473 - Teaching in Middle Level Schools Acquaints students with issues of teaching young adolescents and the role of teachers in connecting schools with community resources. Information from current area specialists and exemplary practitioners extend appropriate teaching strategies and supplement background knowledge on special topics related to social, emotional and physical development related to the curriculum. Prerequisite: CI 462, EDUC 313, or consent of instructor. Lab fee: $10.

CI496 - Field Study Abroad Orientation and study before travel, readings, reports, and planned travel. Includes visits to cultural and educational institutions. Maximum credit hours in any term are 4.

CI498C - Workshops in Education-Language Arts Critical evaluation of innovative programs and practices. Acquaints teachers within a single school system or in a closely associated cluster of school systems with the philosophical and psychological considerations and methods of implementation of new programs and practices. Maximum of six hours toward a master's degree. Special approval needed from the instructor.

CI498D - Workshops in Education-Science Critical evaluation of innovative programs and practices. Acquaints teachers within a single school system or in a closely associated cluster of school systems with the philosophical and psychological considerations and methods of implementation of new programs and practices. Maximum of six hours toward a master's degree. Special approval needed from the instructor.

CI498E - Workshops in Education-Mathematics Critical evaluation of innovative programs and practices. Acquaints teachers within a single school system or in a closely associated cluster of school systems with the philosophical and psychological considerations and methods of implementation of new programs and practices. Maximum of six hours toward a master's degree. Special approval needed from the instructor.

CI498F - Workshops in Education-Reading Critical evaluation of innovative programs and practices. Acquaints teachers within a single school system or in a closely associated cluster of school systems with the philosophical and psychological considerations and methods of implementation of new programs and practices. Maximum of six hours toward a master's degree. Special approval needed from the instructor.

CI498G - Workshops in Education-Social Studies Critical evaluation of innovative programs and practices. Acquaints teachers within a single school system or in a closely associated cluster of school systems with the philosophical and psychological considerations and methods of implementation of new programs and practices. Maximum of six hours toward a master's degree. Special approval needed from the instructor.

CI498I - Workshops in Education-Elementary Education Critical evaluation of innovative programs and practices. Acquaints teachers within a single school system or in a closely associated cluster of

school systems with the philosophical and psychological considerations and methods of implementation of new programs and practices. Maximum of six hours toward a master's degree. Special approval needed from the instructor.

CI498J - Workshops in Education-The Middle School Critical evaluation of innovative programs and practices. Acquaints teachers within a single school system or in a closely associated cluster of school systems with the philosophical and psychological considerations and methods of implementation of new programs and practices. Maximum of six hours toward a master's degree. Special approval needed from the instructor.

CI498K - Workshops in Education-Secondary Education Critical evaluation of innovative programs and practices. Acquaints teachers within a single school system or in a closely associated cluster of school systems with the philosophical and psychological considerations and methods of implementation of new programs and practices. Maximum of six hours toward a master's degree. Special approval needed from the instructor.

CI498M - Workshops in Education-Instruction Critical evaluation of innovative programs and practices. Acquaints teachers within a single school system or in a closely associated cluster of school systems with the philosophical and psychological considerations and methods of implementation of new programs and practices. Maximum of six hours toward a master's degree. Special approval needed from the instructor.

CI498O - Workshops in Education-Environmental Education Critical evaluation of innovative programs and practices. Acquaints teachers within a single school system or in a closely associated cluster of school systems with the philosophical and psychological considerations and methods of implementation of new programs and practices. Maximum of six hours toward a master's degree. Special approval needed from the instructor.

CI498P - Workshops in Education-Children's Literature Critical evaluation of innovative programs and practices. Acquaints teachers within a single school system or in a closely associated cluster of school systems with the philosophical and psychological considerations and methods of implementation of new programs and practices. Maximum of six hours toward a master's degree. Special approval needed from the instructor.

CI498S - Workshops in Education-Gifted and Talented Education Critical evaluation of innovative programs and practices. Acquaints teachers within a single school system or in a closely associated cluster of school systems with the philosophical and psychological considerations and methods of implementation of new programs and practices. Maximum of six hours toward a master's degree. Special approval needed from the instructor.

CI498T - Workshops in Education-Teacher Education Critical evaluation of innovative programs and practices. Acquaints teachers within a single school system or in a closely associated cluster of school systems with the philosophical and psychological considerations and methods of implementation of new programs and practices. Maximum of six hours toward a master's degree. Special approval needed from the instructor.

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