

# COURSES FOR CURRICULUM AND INSTRUCTION

## Curriculum and Instruction Courses

### CEE304 Teaching Early Childhood and Elementary School Science

Hours 3

Teaching experiences related to P-6 children's learning of science, with emphasis on teaching strategies that use inquiry approaches. Intensive field experience.

Prerequisite(s): CEE 365, CEE 370, CEE 380, CEE 492, and CEE 495 with a minimum passing grade of C-, and admission to Teacher Education Program.

Prerequisite(s) with concurrency: CEE 366 and CEE 401 and CEE 478 and CEE 496 and BER 450

### CEE320 Survey of Early Childhood and Elementary Education

Hours 3

Surveys early childhood and elementary education as professional careers. Students become acquainted with factors affecting successful teaching in P-6.

Prerequisite(s) with concurrency: CEE 491 and CRD 369 and MUE 385

### CEE365 Literature for Early Childhood and Elementary Ages

Hours 3

Selection and teaching of literature for P-6 children at various developmental levels, according to interests, needs, and abilities. Intensive field experience.

Prerequisite(s): CEE 320, CRD 369, MUE 385 and CEE 491 with a minimum passing grade of C-

Prerequisite(s) with concurrency: CEE 370 and CEE 380 and CEE 401 and CEE 495 and CEE 492

### CEE366 Teaching Social Sciences for Early Childhood and Elementary Children

Hours 3

The nature of P-6 social studies, the resource unit, kinds of materials, teaching procedures, and the evaluation of learning. Intensive field experience.

Prerequisite(s): CEE 365, CEE 370, CEE 380, CEE 492, and CEE 495 with a minimum passing grade of C-. Admission to Teacher Education Program.

Prerequisite(s) with concurrency: CEE 304 and CEE 401 and CEE 478 and CEE 496 and BER 450

### CEE370 Teaching Reading Elem School

W

Hours 3

Materials and methods in the teaching of reading, with emphasis on assessment-based instruction and planning a balanced program. Intensive field experience. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): CEE 320, CEE 491, CRD 369, and MUE 385

Prerequisite(s) with concurrency: CEE 365 and CEE 380 and CEE 401 and CEE 495 and CEE 492

Writing

### CEE380 Teaching Early Childhood and Elementary Mathematics

Hours 3

P-6 teaching experiences related to children's developmental learning of mathematics, with emphasis on teaching strategies, manipulatives, and other materials useful in teaching content. Intensive field experience.

Prerequisite(s): CEE 320, CRD 369, MUE 385, and CEE 491 with minimum passing grade of C-

Prerequisite(s) with concurrency: CEE 365 and CEE 370 and CEE 401 and CEE 495 and CEE 492

### CEE381 Geometry, Measurement, & Data Analysis: Specialized Knowledge and Pedagogy

Hours 3

This course examines the mathematics content and related pedagogy of geometry, measurement, and data analysis at the K-6 elementary level. Topics include: attributes of shapes as well as classifying, dividing, combining, and transforming shapes; meaning and process of measuring, including attributes, tools, and differing units and conversions; and designing and conducting data investigations. Conceptual and research-based framings and methods are explored.

Prerequisite(s): Admission to a Bachelor or Master of Education program leading to certification in Elementary (K-6) and/or Early Childhood (P-3).

### CEE382 Whole Number & Operations: Specialized Knowledge and Pedagogy

Hours 3

This course examines the mathematics content and related pedagogy of whole number and operations at the K-6 elementary level. Topics include prenumber, early number, place value, meaning of the four operations as well as computational strategies, alternative algorithms, mental math, and estimation. Conceptual and research-based framings and methods are explored.

Prerequisite(s): Admission to a Bachelor or Master of Education program leading to certification in Elementary (K-6) and/or Early Childhood (P-3).

### CEE401 Managing Effective Classrooms

Hours 1-6

This course is designed to teach students the principles and theory of classroom management. Emphasis will be placed on the design and implementation of classroom management methods and techniques.

**CEE478 Teaching Language Arts in Early Childhood and Elementary**

W

Hours 3

Deepening understanding of the materials and methods for teaching of P-6 language arts with emphasis on planning and implementing a writing program. Intensive field experience. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): CEE 365, CEE 370, CEE 380, CEE 492, and CEE 495 with a minimum passing grade of C-. Admission to Teacher Education Program.

Prerequisite(s) with concurrency: CEE 304 and CEE 366 and CEE 401 and CEE 496 and BER 450

Writing

**CEE483 Algebra & Rational Number. Specialized Knowledge and Pedagogy**

Hours 3

This course examines the mathematics content and related pedagogy of algebra and rational number at the K-6 elementary level. Topics include: equivalence, unknowns, relational thinking, patterns, functions, and general properties of arithmetic; understanding and representing rational number; and meanings of operations with rational number. Conceptual and research-based framings are explored.

Prerequisite(s): Admission to a Bachelor or Master of Education program leading to certification in Elementary (K-6) and/or Early Childhood (P-3).

**CEE491 Early Childhood Curr. & Inst.**

Hours 3

A foundation in the materials and methods for teaching in early childhood classrooms with an emphasis on child development, assessment, and instruction. Completion of Professional Semester II courses required.

Prerequisite(s) with concurrency: CEE 320 and CRD 369 and MUE 385

**CEE492 Engaging Children and Families in the Early Childhood Classroom**

Hours 3

Students will develop advanced skills in planning and facilitating play-based activities to support the learning and development of children from birth through age eight. Students will use an integrated approach to teaching developmentally appropriate curriculum while building their professional knowledge related to advocacy and family engagement.

Prerequisite(s): CEE 320, CEE 491, CRD 369, MUE 385

Prerequisite(s) with concurrency: CEE 401 and CEE 365 and CEE 495 and CEE 370 and CEE 380

**CEE495 Practicum**

Hours 3

Open only to students in professional semester II of the early childhood and elementary program. This course offers students significant clinical experience and opportunities to plan and teach lessons in P-6.

Prerequisite(s): CRD 369, CEE 320, CEE 491, and MUE 385 with minimum passing grade of C-

Prerequisite(s) with concurrency: CEE 365 and CEE 370 and CEE 380 and CEE 401 and CEE 492

**CEE496 Senior Practicum**

Hours 3

A field-based course providing opportunities to practice authentic classroom application of various subject areas in P-6 education.

Prerequisite(s): CEE 365, CEE 370, CEE 380, CEE 492, CEE 495 with a minimum passing grade of C-. Admission to Teacher Education Program.

Prerequisite(s) with concurrency: CEE 304 and CEE 366 and CEE 401 and CEE 478 and BER 450

**CEE497 Early Childhood and Elementary Education Internship**  
*EXP*

Hours 4.5-7.5

Observation, participation, and teaching experiences supervised by selected cooperating teachers in P-6 early childhood and elementary schools. Additional supervision is provided by College of Education personnel.

Prerequisite(s): CEE 304 and CEE 366 and CEE 401 and CEE 478 and CEE 496 and BER 450 with a minimum passing grade of C-. Admission to Teacher Education Program.

Prerequisite(s) with concurrency: EDU 400

Experiential Learning

**CIE480 Meth Teach Foreign Langs**

W

Hours 3

Theories, methods, techniques, and essential media for teaching foreign languages effectively. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Admission to Teacher Education Program. Corequisite: CSE 489

Writing

**CIE497 Intern Foreign Lang Educ**

*EXP*

Hours 3-12

Observation and teaching of the major subject in an elementary and secondary school. Offered in the fall and spring semesters only. Application for student teaching must be made the semester prior to student teaching (excluding summer term) through the Office of Clinical Experience. Formal application meetings are held and their times will be posted in Autherine Lucy Hall and announced in the Crimson White prior to the meetings.

Prerequisite(s): Admission to Teacher Education Program

Experiential Learning

**CIE499 Special Topics in Early Childhood, Elementary, and/or Secondary Education**

SP

Hours 1-6

This course, offered on campus or abroad, provides opportunities to engage with topics or projects of collective concern in early childhood, elementary, and/or secondary education. Topics vary. May be repeated. Offered according to demand.

Prerequisite(s): Permission of instructor

Special Topics Course

**CRD369 Foundations of Reading Instruction for Early Childhood and Elementary Children**

Hours 3

Introduction to literacy development, instruction, and assessment for P-6. Foundational concepts of literacy instruction and best-practice are covered. A field component is required.

Prerequisite(s) with concurrency: CEE 320 and CEE 491 and MUE 385

**CRD400 Teach Readg Diverse Learn K-12**

Hours 3

A foundation in the materials and methods for teaching of reading and language arts K-12, with emphasis on intervention programs, assessment, and instruction for individual and small groups of students. Intensive field experience is required.

Prerequisite(s): Admission to Teacher Education Program.

**CRD412 Impr Read Second Schools**

W

Hours 3

Study of methods and strategies for teaching reading at the secondary and junior-college levels. Methods of teaching word attack and comprehension skills are emphasized. Diagnostic techniques, study skills, and teaching reading in the content areas are also covered. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Admission to Teacher Education Program.

Writing

**CSE390 Instructn Accomd Sec Sch**

Hours 3

The course focuses on evaluating teaching and learning behaviors and on general teaching competencies.

Prerequisite(s) with concurrency: CSE 493

**CSE401 Tech for Teaching Sec. Math**

C

Hours 3

Examines and explores various existing and emerging classroom technologies for specifically teaching secondary mathematics topics including but not limited to spreadsheets, hand-held & computer graphing technologies, dynamic geometry software, computer algebra systems and data collection devices. Fall only. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): C- or better in MATH 227 or MATH 247

Prerequisite(s) with concurrency: CSE 390; CSE 493; MATH 403

Computer Science

**CSE402 Building Humanizing Classroom Communities in Secondary Schools**

Hours 3

This course will expose students to cultural and societal issues and perspectives that impact schools and schooling. The course lays a foundation for responsible participation and practice as a teacher in a diverse society by preparing candidates to make informed decisions about teaching, learning, and being in complex cultural contexts of both the U.S. and global communities. A required course for candidates in secondary teaching programs that will focus on classroom management and building humanizing classroom communities in secondary classrooms. It will focus on aspects of engaged learning environments, positive responses to challenging behavior, classroom expectations and routines, building connections between home and school, and accountability and responsibility among learners.

Prerequisite(s): Admission to Teacher Education Program is required.

**CSE406 Curriculm Secondary Math**

W

Hours 3

Future secondary mathematics teachers examine advanced concepts, structures, and procedures that comprise secondary mathematics. This course focuses on current issues and trends in the curriculum, teaching, and learning of secondary mathematics with an emphasis on the investigation and implementation of current reform efforts. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): C- or better in CSE 401. Admission to Teacher Education Program.

Writing

**CSE455 Adolescent Literature**

Hours 3

Study of contemporary literature for young adults, with emphasis on high-interest and high-quality literature from diverse authors.

**CSE469 Pedagogical Grammar**

Hours 3

This is a practical course intended to enhance the student's understanding of the structure of the English language. The course is designed to encourage a thorough study of grammar and its role in the English language arts curriculum, to explore the psycholinguistic nature of language processes, and to develop methods of instruction for the classroom.

**CSE470 Teaching Writing 6-12**

Hours 3

This course is designed to prepare prospective English teachers to successfully teach and evaluate writing in grades 6-12.

**CSE476 Improving Science Teaching**

C

Hours 3

Examination and evaluation of emerging and existing technologies specific to secondary science teaching. Students will grow their capacity to employ technologies to plan, enact, and assess science teaching and learning. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CSE 390. Admission to Teacher Education Program is required.

Prerequisite(s) with concurrency: BER 450 and CSE 489

Computer Science

**CSE479 Teach Second Sch English**

C, W

Hours 3

Methods and media essential to effective instruction of English in the secondary school. Admission to Teacher Education Program is required. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Computer proficiency is required for a passing grade in this course.

Prerequisite(s): CSE 390

Prerequisite(s) with concurrency: BER 450 and CRD 412 and CSE 489

Computer Science, Writing

**CSE480 Teach Sec Sch Forgn Lang**

W

Hours 3

Theories, methods, techniques, and essential media for teaching foreign languages effectively in the secondary school. Offered fall semester only. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Admission to Teacher Education Program is required.

Prerequisite(s) with concurrency: CSE 489 and CRD 412 and BER 450

Writing

**CSE483 Teach Second School Math**

W

Hours 3

The course presents primarily methods and instructional strategies of teaching mathematics, but necessarily includes a study of selected topics in mathematics. Offered fall semester only. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): CSE 390 with a minimum passing grade of D-. Admission to Teacher Education Program.

Prerequisite(s) with concurrency: CSE 489 (min grade of D-), BER 450 (min grade of D-), CSE 402 (min grade of D-)

Writing

**CSE485 Teaching Inquiry in Secondary Social Studies**

Hours 3

This course is designed to assist students' understanding of and application of powerful, inquiry-based strategies to the design of meaningful 21st century social studies instruction and assessment.

**CSE486 Teach Second Sch Science**

W

Hours 3

Instructional strategies and media essential to effective learning of science in the secondary school. Content includes objectives, inquiry teaching, analysis of curricula, assessment, teaching for diversity, science-thinking skills, unit planning, and laboratory management. Offered only fall semester. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Admission to Teacher Education Program. Corequisite: CSE 489

Writing

**CSE487 Teach Second Soc Science**

C, W

Hours 3

This course will use a reflective teaching model for examining the history, issues, and contemporary practices related to teaching middle- and high-school social science. Computing proficiency is required for a passing grade in this course. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): CSE 390 with a minimum passing grade of C-. Admission to Teacher Education Program.

Prerequisite(s) with concurrency: BER 450 (min. grade of C-), CSE 489 (min. grade of C-), CSE 402 (min. grade of C-)

Computer Science, Writing

**CSE489 Clinical Exper Second School**

*C, W*

Hours 3

Observation and participation experiences in secondary schools. Computing proficiency and writing proficiency are required for a passing grade in this course. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): CSE 390. Admission to Teacher Education Program.

Computer Science, Writing

**CSE493 Diversity Block Seminar**

Hours 1-3

A reflective teaching model will be used to explore differences in race, class, gender, and academic achievement as they affect classroom interaction and academic success.

Prerequisite(s) with concurrency: CSE 390

**CSE497 Secondary School Teaching**

*EXP*

Hours 3-12

Observing and teaching in the student's secondary school subject area.

Prerequisite(s): CSE 479 or CSE 480 or CSE 483 or CSE 486 or CSE 487 or CIE 480. Admission to Teacher Education Program.

Experiential Learning