

**ELE 201/Child and Adolescent Development**

**1 course unit**

*Corequisite:* RAL 221

(every semester)

Emphasizes the educational implications and applications of research on child development, cognitive science, learning, and teaching from pre-birth through adolescence. It is a systematic study of children in the elementary and middle school environment focusing on the whole child. Through an analysis of child development theories and research on learning and cognition, students will gain a deeper understanding of how children and adolescents grow and learn in different cultural contexts. The course includes instruction in the college classroom plus a weekly field experience.

**ELE 203/Introduction to Urban Education**

**1 course unit**

(annually)

The course begins with a study of urban education settings in New Jersey. Through texts, supplemental readings and experience in the field, students will explore the varied and rich social and political history of urban districts and analyze the educational foundations of the school system. This course will explore the change forces in the market today and students will be given opportunities to connect their educational foundation theories with an examination of the implementation of programs sponsored by the state of New Jersey, where the goal is to raise student achievement level of the students in the district. This course includes partnerships with after-school programs in Trenton.

**ELE 300/Urban Schools Seminar**

**1 course unit**

(summer only)

*Prerequisite:* Students must have completed their junior core block.

The course is structured as a two-week field experience situated in the School District of Philadelphia for pre-service teachers. Students live at a University dormitory in Philadelphia as they actively work at their assigned field placement. Additionally, the course participants conduct a service-learning project within the community during the weekend. The course is designed for any student interested in having a developed understanding of the urban classroom and the urban student through a hands-on learning experience.

**ELE 301/Integrating and Differentiating Instruction for All Learners**

**2 course units**

*Corequisite:* RAL 321, SOM 203

*Prerequisite:* ELE 201, RAL 221, MST 202/MTT 202

(every semester)

This advanced pedagogy course, consisting of seminars and an extensive field experience, requires teacher candidates to develop knowledge and skills that will enable them to: 1) continue developing their teaching performance skills; 2) plan long-term instructional units that use computer technology, children's literature, and the creative and performing arts as vehicles for content integration and include a parent involvement component; 3) differentiate instruction for children with different needs, including children learning English and those with disabilities (including those with behavioral disorders); 4) demonstrate reflective practice by reflecting on lessons taught and designing and implementing an inquiry project. Students will have two 3-hour seminars on campus and spend 1 and 1/2 days per week for 8 weeks, and all day, every day for

two weeks in an elementary classroom practicum. A 2.75 grade point average is required for entrance into ELE 301.

**ELE 302/Introduction to Teacher Research** **1 course unit**  
(annually)

This course will provide an introduction to the research process and teacher research more specifically. Topics will include developing a question, research methodologies, research ethics, design and analysis, and proposal writing. Utilizing a school-based site to develop their research question, students will see clearly how the research process can be applied to classroom practice. Students may use the proposal they develop for future independent research, classroom based inquiry projects, or to strengthen their own teaching practice.

**ELE 370/ Special Topics in Elementary Education** **variable course units**  
(annually)

**ELE 390/Research Topics in Elementary Education** **variable course units**  
(fall)

**ELE 391/Independent Study** **variable course units**  
(every semester)

**ELE 470/400 Level Special Topics** **variable course units**  
(annually)

**ELE 490/Student Teaching** **2 course units**

*Prerequisites:* All courses in the elementary education sequence

*Corequisite:* ELE 498

(every semester)

Provides fourteen weeks of intensive field-based experience. Students are placed in a K-5 classroom where they are required to demonstrate their ability to teach to the New Jersey Core Curriculum standards. By the end of the semester, they are fully in charge of the classroom, teaching all day. They are observed regularly and given feedback by their cooperating teacher and a college supervisor. They meet regularly with small groups to reflect on their practice. They conduct an inquiry project designed in their capstone course as well as a parent/community involvement project. A 2.75 GPA is required to register for ELE 490 and ELE 498.

**ELE 491/Middle School Specialization Student Teaching** **2 course units**

*Corequisite:* ELE 498

*Prerequisite:* a GPA of 2.75

(every semester)

Provides fourteen weeks of intensive field-based experience. Students are placed in a middle school setting where they are required to demonstrate their ability to teach to the New Jersey Core Curriculum standards in their content area. This is limited to those students who have a second major in mathematics, biology, history, English, or math/science/technology and all students who wish to register for ELE 491 must meet requirements set by the department and the NJDOE. By the end of the semester, they are fully in charge of the classroom, teaching all day.

They are observed regularly and given feedback by their cooperating teacher and a college supervisor. They meet regularly with small groups to reflect on their practice. They conduct an inquiry project designed in their capstone course as well as a parent/community involvement project.

**ELE 493/Independent Research III**  
(every semester)

**variable course units**

**ELE 495/Senior Thesis**  
(annually)

**1 course unit**

**ELE 498/Capstone: Inquiry into Learning**

**1 course unit**

*Prerequisites:* All courses in the elementary education sequence

*Corequisite:* ELE 490

(every semester)

Supports teacher candidates in developing an open-minded, inquiring approach to their own practice as teachers and increases their awareness of the issues that affect this practice. Weekly seminars deal with issues of importance to teachers and allow students to share questions and concerns that arise in the field. This course is the culminating experience for all elementary and early childhood education majors and serves to link their existing student teaching experience with the theoretical frameworks they have studied in prior courses.

**MST 202/Methods of Teaching Science, Health and Technology**

**1 course unit**

*Corequisite:* MTT 202

*Prerequisites:* MAT 105, MAT 106, BIO 104, PHY 103.

(every semester)

Examines the purposes, scope, sequences, materials, and methodology of teaching science in early childhood, elementary school and middle schools. The course develops skill in planning, instructing, and assessing comprehension of content. It links instruction and assessment in science and covers relevant content topics in chemistry, biology, physics, and earth and space science. Instruction in the college classroom, observation of an experienced teacher, and teaching in K-8 classrooms are provided.

**MST 203: Environmental Science for Educators**

**1 course unit**

(annually)

Examines key ideas in environmental science including human impacts on the environment, natural resource management and preservation, and environmental ethics. Course will take a blended learning format and will include: online lectures and simulations, hands-on demonstrations, and a field visit to a local recycling facility. Strategies for designing K-8 lessons and curricula aligned to these key ideas will also be discussed, and the culminating project will be a 3-lesson mini-unit designed to teach an environmental science topic to elementary and middle school students.

**MST 303 Interdisciplinary Science for Educators: Science  
Outside of School**

**1 course unit**

(annually)

*Prerequisites:* Open to all education majors who have already completed a course in science methods (MST 202) or with instructor permission. Biology, Chemistry and Physics majors may join with instructor's permission.

In this elective course, students will explore a multitude of science topics such as physics of light and sound and marine conservation. Students will visit several learning environments to understand how science content is delivered in informal settings and how to apply traditional science teaching methods to informal settings using choice-based learning, game-based learning, and physical education. This course counts as a science content courses for NJ Middle School Certification.

**MST 470/Special Topics in Methods**

**variable course units**

(every semester)

Examines the purposes, scope, sequences, materials, and methodology of teaching math in early childhood, elementary school and middle schools. The course develops skill in planning, instructing, and assessing comprehension of content. It links instruction and assessment in math and covers relevant content topics in math education. Instruction in the college classroom, observation of an experienced teacher, and teaching in a K-8 classrooms are provided. This course is taken by special permission.

**SOM 203/Methods of Teaching Social Studies  
from a Multicultural Perspective**

**1 course unit**

*Prerequisites:* ECE 201 or ELE 201

*Corequisite:* ELE 301 or ECE 301 and RAL 321 or RAL 322

(every semester)

Examines the purposes, scope, sequences, materials, and methodology of teaching social studies in the early childhood, elementary and middle school classroom. Using knowledge and data-gathering processes from history and the social sciences, appropriate and meaningful social studies experiences will be created for teacher candidates. Course content includes anthropology, economics, geography, political science, history, sociology, anti-harassment, human rights, multicultural education, international and global education. Instruction in the college classroom, observation of an experienced teacher, and teaching in an early childhood or elementary classroom are provided.