

# EDUCATION (ED)

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## ED 1200 - Human Growth & Development

### Credit(s): 3 or 4 Credits

Study of maturation in childhood, adolescence, and early adulthood designed for those entering the teaching profession. Emphasis is placed on biological, health, social, cognitive, and affective development. (Taken by all Renaissance candidates.)

**Attributes:** Prof. Studies Students Only

## ED 1400 - Education of the Exceptional Individual

### Credit(s): 3 Credits

Study of the concept of exceptionality, specifically addressing the implications of atypical educational development. Alternative instructional strategies, educational decision-making, special education resources, inclusive programming, and related issues are examined.

**Attributes:** Prof. Studies Students Only

## ED 1500 - Surv of Science & Geography

### Credit(s): 4 Credits

This course is a survey of the concepts, development and basic principles of physics, astronomy, biology, chemistry and geography with emphasis on: the scientific method, use of scientific tools, metric system, beginning chemistry, electricity, magnetism, light, severe weather immunology, reproduction, genetics, technology, geological time periods, evolution, and earth geography, in terms of man/land relationships and place formation.

**Attributes:** Prof. Studies Students Only

## ED 2000 - Candidate Exp: Educational Observation

### Credit(s): 1 Credit

A field-based course that offers an introduction to the professional obligations and responsibilities of teachers. Must be completed prior to enrollment in a 3000 level education course.

**Attributes:** Prof. Studies Students Only

## ED 2001 - Candidate Experiences: Educational Observations in Elementary School

### Credit(s): 1 Credit

A field-based course that offers an introduction to the professional obligations and responsibilities of teachers. Must be completed prior to enrollment in a 3000 level education course.

## ED 2002 - Candidate Experiences: Educational Observations Middle School

### Credit(s): 1 Credit

A field-based course that offers an introduction to the professional obligations and responsibilities of teachers. Must be completed prior to enrollment in a 3000 level education course.

## ED 2003 - Candidate Experiences: Educational Observations Special Education

### Credit(s): 1 Credit

A field-based course that offers an introduction to the professional obligations and responsibilities of teachers. Must be completed prior to enrollment in a 3000 level education course.

## ED 2100 - Teaching and Learning: Trends and Issues

### Credit(s): 3 or 4 Credits

Study of contemporary issues in education: philosophical underpinning, innovations, current problems, and proposed changes. Topics will include discussion of the role of social context and socio-cultural background in learning, curriculum development, No child Left Behind, and school-agency alliances for fostering learning.

**Attributes:** Prof. Studies Students Only

## ED 2200 - Today's Diverse Educational Environment: Trends and Issues

### Credit(s): 3 Credits

Integrative course designed to explore, evaluate, compare and contrast schools and related social institutions with a focus on inter- and intra-cultural relationships. Teacher candidates will be introduced to the principles of human relation skill development.

**Attributes:** Prof. Studies Students Only, Urban Poverty - Applied

## ED 2930 - Special Topics

### Credit(s): 1-6 Credits (Repeatable for credit)

**Attributes:** Prof. Studies Students Only

## ED 2980 - Independent Study

### Credit(s): 1-4 Credits (Repeatable for credit)

**Attributes:** Prof. Studies Students Only

## ED 3000 - Candidate Experiences and Preparatory Teaching

### Credit(s): 2 Credits

An examination of the educational process through structured field assignments and observations. Teacher certification candidates only.

**Attributes:** Prof. Studies Students Only

## ED 3001 - Candidate Experiences and Preparatory Teaching in Elementary School

### Credit(s): 2 Credits

An examination of the educational process through structured field assignments and observations. Teacher certification candidates only.

## ED 3002 - Candidate Experiences and Preparatory Teaching in Middle School

### Credit(s): 2 Credits

An examination of the educational process through structured field assignments and observations. Teacher certification candidates only.

## ED 3003 - Candidate Experiences and Preparatory Teaching in Special Education

### Credit(s): 2 Credits

An examination of the educational process through structured field assignments and observations. Teacher certification candidates only.

## ED 3200 - Classroom Inclusion and Family Support

### Credit(s): 3 Credits

Directed investigation of educational strategies that promote inclusion for all learners. Examination of family support systems in education.

**Attributes:** Prof. Studies Students Only

## ED 3300 - Special Education: Counseling and career Development

### Credit(s): 4 Credits

The course presents approaches to counseling students with mild-moderate disabilities and their families and addresses the issues of transition and career development. Candidates will focus on understanding, developing, and implementing approaches to interact with students and their families. Exploration of theories and methods that enhance positive relations with students and parents. Investigation of transitional programs and vocational options for students with disabilities. Field visitations required. Pre-requisite: Admittance into the Teacher Preparation Program.

**Attributes:** Prof. Studies Students Only

## ED 3400 - Interactive Communication in the Learning Environment

### Credit(s): 3 Credits

Introduction to the methods of creating structure in the school environment. Preparation for implementing communication and behavior management strategies in the school environment.

**Attributes:** Prof. Studies Students Only

**ED 3480 - Fundamentals of Neurology and Learning****Credit(s): 3 Credits**

An examination of neurological structures including embryonic development and maturation of the nervous system. Discussion of conditions and diseases that may impact the development of the central nervous system, including syndromes and traumatic brain injury. An introduction to cognitive neuropsychology.

**Attributes:** Prof. Studies Students Only

**ED 3600 - Disabilities Studies I****Credit(s): 4 Credits**

An introduction to the profession of special education with information regarding the characteristics of persons with the various disabilities included in IDEA. History, theoretical foundations and practices related to the social, emotion, health, and learning characteristics of individuals with mild-moderate disabilities. The course includes an introduction to the educational and psychological characteristics (cognitive, emotional, and social) of school age individuals with mild-moderate disabilities and the implications these characteristics have for educational practice.

Problems of definitions, screening, diagnosis, classification systems, transition, future planning, classroom management, and multicultural issues are introduced. Prerequisite: admission to the teacher preparation program.

**Attributes:** Prof. Studies Students Only

**ED 3640 - Disabilities Studies II****Credit(s): 2 Credits**

This course provides an advanced discussion of the speech and language characteristics of school age individuals with mild-moderate disabilities and implications that these characteristics have for educational practice. It stresses characteristics of speech and language and provides the candidate with a thorough background in speech and language development related to children with special needs.

**Attributes:** Prof. Studies Students Only

**ED 3800 - Candidate Experiences: Classroom Teaching****Credit(s): 8 Credits**

Full day, full-time teaching experience. Candidates are expected to demonstrate the knowledge and skills acquired in the core, methods, and specialization courses. Candidates placed with or under the supervision of a certified master teacher.

**Prerequisite(s):** ED 3000

**Attributes:** Prof. Studies Students Only

**ED 3801 - Candidate Experiences: Classroom Teaching in Elementary School****Credit(s): 8 Credits**

Full day, full-time teaching experience. Candidates are expected to demonstrate the knowledge and skills acquired in the core, methods, and specialization courses. Candidates placed with or under the supervision of a certified master teacher.

**Prerequisite(s):** ED 3001

**ED 3802 - Candidate Experiences: Classroom Teaching in Middle School****Credit(s): 8 Credits**

Full day, full-time teaching experience. Candidates are expected to demonstrate the knowledge and skills acquired in the core, methods, and specialization courses. Candidates placed with or under the supervision of a certified master teacher.

**Prerequisite(s):** ED 3002

**ED 3803 - Candidate Experiences: Classroom Teaching in Special Education****Credit(s): 8 Credits**

Full day, full-time teaching experience. Candidates are expected to demonstrate the knowledge and skills acquired in the core, methods, and specialization courses. Candidates placed with or under the supervision of a certified master teacher.

**Prerequisite(s):** ED 3003

**ED 3930 - Special Topics****Credit(s): 3 Credits** (Repeatable for credit)**ED 3980 - Independent Study****Credit(s): 1-4 Credits** (Repeatable for credit)

**Attributes:** Prof. Studies Students Only

**ED 4100 - Principles of Education: Inclusion, Diversity, Behavior Management, and Technology****Credit(s): 3 or 4 Credits**

Integrative course designed to investigate educational strategies that promote inclusion for all learners; to evaluate, compare and contrast school and related social institutions with a focus on cultural relationships; to investigate methods for implementing communication and behavior management strategies in the school environment; and to develop competency in selection and application of technology into the curriculum. (taken by Elementary, Middle and Secondary RenPro-A candidates.)

**Attributes:** Prof. Studies Students Only

**ED 4200 - Assessment in the School Environment****Credit(s): 4 Credits**

Investigation into the development, interpretation, and use of standardized psychological and educational tests in the school environment. Overview of informal assessment instruments and assessment techniques, including portfolio design and evaluation. The course is designed with an emphasis on formulating instructional plans based on formal and/or informal assessment. (Taken by all Renaissance candidates). Prerequisite: Admission to the Teacher Preparation Program.

**Attributes:** Prof. Studies Students Only

**ED 4210 - School Curriculum and Instruction: Elem/Special Education****Credit(s): 3 Credits**

Explores foundation for curriculum development and instruction classroom organization and structure, lesson planning, and evaluation. Discussion of topics including scope, sequence, and curriculum articulation; curriculum change in educational settings; and the principles and objectives that influence these processes. (Taken by all Renaissance candidates.) (Also taken by Special Education candidate.)

**Attributes:** Prof. Studies Students Only

**ED 4220 - School Curriculum and Instruction: Middle School****Credit(s): 3 Credits**

Explores foundation for curriculum development and instruction classroom organization and structure, lesson planning, and evaluation. Discussion of topics including scope, sequence, and curriculum articulation; curriculum change in educational settings; and the principles and objectives that influence these processes. (Taken by all Renaissance candidates.) (Also taken by Special Education candidate.)

**Attributes:** Prof. Studies Students Only

**ED 4230 - School Curriculum and Instruction: Secondary Education****Credit(s): 3 Credits**

Explores foundation for curriculum development and instruction classroom organization and structure, lesson planning, and evaluation. Discussion of topics including scope, sequence, and curriculum articulation; curriculum change in educational settings; and the principles and objectives that influence these processes. (Taken by all Renaissance candidates.) (Also taken by Special Education candidate.)

**Attributes:** Prof. Studies Students Only

**ED 4260 - Classrooms Without Borders II****Credit(s): 3 Credits**

This examines the ideas and events that teachers can implement in the classroom for enrichment of the curriculum. Candidates will gain a better understanding of the resources of the community and how to incorporate its economic, political, intellectual, and cultural offerings into the classroom. Upon completion of the course, the candidate will know how to incorporate a variety of innovative subjects into the classroom curriculum. All classes will be field based. Prerequisite: acceptance into the Teacher Preparation program.

**Attributes:** Prof. Studies Students Only

**ED 4280 - Classrooms Without Borders II****Credit(s): 3 Credits**

This course will continue to examine the ideas and events that teachers can implement in the classroom for enrichment of the curriculum. Candidates will gain a better understanding to the resources of the community and how to incorporate its economic, political, intellectual, and cultural offerings into the classroom. Upon completion of the course, the candidate will know how to incorporate a variety of innovative subjects into the classroom curriculum. All classes will be field based. Pre-requisite: acceptance into the Teacher Preparation program.

**Attributes:** Prof. Studies Students Only

**ED 4300 - School Curriculum and Instruction****Credit(s): 6 Credits**

Explores foundation for curriculum development and instruction, including classroom organization and structure, lesson planning, and evaluation. Discussion of topics including scope, sequence, and curriculum articulation; curriculum change in educational settings; and the principles and objectives that influence these processes. Taken by all Renaissance candidates.

**Attributes:** Prof. Studies Students Only

**ED 4320 - Aesthetic Educ & Physical Educ****Credit(s): 1 Credit**

Integration of the fine arts (visual, music and dramatics) and physical movement in the classroom. Candidates will learn to select, design, adapt, and assess creative arts and physical activities that are developmentally appropriate, meaningful, challenging and that lead to positive learning outcomes and the development of positive dispositions toward aesthetic and physical expression. Taken by Elementary Renaissance Program Alternative Certification candidates.

**Attributes:** Prof. Studies Students Only

**ED 4330 - Teaching Methods in the Fine Arts****Credit(s): 2 Credits**

This course will focus on the art and music education curriculum. Candidates will develop techniques for instruction as well as an awareness of age-appropriate developmental expectations. Integration of the arts into other content areas will be stressed as well as the role of the arts in extra curricular endeavors. (Taken by Elementary and Special Education Candidates).

**Attributes:** Prof. Studies Students Only

**ED 4340 - Teaching Methods in Physical Education****Credit(s): 1 Credit**

This course will focus on the physical education curriculum. Candidates will develop techniques for instruction as well as an awareness of age-appropriate developmental expectations. Integration of physical education activities into other content areas will be stressed as well as the role of physical education in extra-curricular endeavors. Prerequisite: acceptance into the Teacher Preparation Program.

**Attributes:** Prof. Studies Students Only

**ED 4350 - Remedial Math procedures****Credit(s): 2 Credits**

Integration of the fine arts (visual, music, and dramatics) and physical movement in the classroom. Candidates will learn to select, design, adapt, implement and assess creative arts and physical activities that are developmentally appropriate, meaningful, challenging and that lead to positive learning outcomes and the development of positive dispositions toward aesthetic and physical expression. (Taken by Elementary Renaissance Program Alternative Certification candidates)

**Attributes:** Prof. Studies Students Only

**ED 4380 - Community Based Science Adventures****Credit(s): 3 Credits**

This course focuses on science as an exciting adventure for elementary and middle school students. Candidates will explore various community resources to grasp a better understanding of providing innovative and integrative science instruction and hands-on activities. Some classes will be field based.

**Attributes:** Prof. Studies Students Only

**ED 4410 - Teaching Methods in Elementary School in Mathematics, Science, and Social Science****Credit(s): 3 Credits**

Explores and discusses content, objectives, and methods in elementary curriculum content; emphasizes application of knowledge from research and learning theory. Examines procedures useful for developing and improving curricular units. Addresses the effect of individual differences upon selection, organization, and presentation of instructional material. Addresses mathematics, social studies and science. (Also taken by Special Education candidate.)

**Attributes:** Prof. Studies Students Only

**ED 4420 - Teaching Methods in Middle School Language Arts****Credit(s): 3 Credits**

Explores and discusses content, objectives, and methods in middle school language arts instruction; emphasizes application of knowledge from research and learning theory. Examines procedures useful for developing and improving curricular units. Addresses the effect of individual differences upon selection, organization, and presentation of instructional material.

**Attributes:** Prof. Studies Students Only

**ED 4430 - Teaching Methods in Middle School Social Science****Credit(s): 3 Credits**

Explores and discusses content, objectives, and methods in middle school social science instruction; emphasizes application of knowledge from research and learning theory. Examines procedures useful for developing and improving curricular units. Addresses the effect of individual differences upon selection, organization, and presentation of instructional material.

**Attributes:** Prof. Studies Students Only

**ED 4440 - Teaching Methods in Middle School Science****Credit(s): 3 Credits**

Explores and discusses content, objectives, and methods in middle school science instruction; emphasizes application of knowledge from research and learning theory. Examines procedures useful for developing and improving curricular units. Addresses the effect of individual differences upon selection, organization, and presentation of instructional material.

**Attributes:** Prof. Studies Students Only

**ED 4450 - Teaching Methods in Secondary English****Credit(s): 3 Credits**

Explores and discusses content, objectives, and methods in secondary English instruction; emphasizes application of knowledge from research and learning theory. Examines procedures useful for developing and improving curricular units. Addresses the effect of individual differences upon selection, organization, and presentation of instructional material.

**Attributes:** Prof. Studies Students Only

**ED 4460 - Teaching Methods in Secondary Social Science****Credit(s): 3 Credits**

Explores and discusses content, objectives, and methods in secondary social science instruction; emphasizes application of knowledge from research and learning theory. Examines procedures useful for developing and improving curricular units. Addresses the effect of individual differences upon selection, organization, and presentation of instructional material.

**Attributes:** Prof. Studies Students Only

**ED 4470 - Teaching Methods in Middle School Mathematics****Credit(s): 3 Credits**

Explores and discusses content, objectives, and methods in middle school mathematics instruction; emphasizes application of knowledge from research and learning theory. Examines procedures useful for developing and improving curricular units. Addresses the effect of individual differences upon selection, organization, and presentation of instructional material.

**Attributes:** Prof. Studies Students Only

**ED 4480 - Teaching Methods in Secondary Mathematics****Credit(s): 3 Credits**

Explores and discusses content, objectives, and methods in secondary mathematics instruction; emphasizes application of knowledge from research and learning theory. Examines procedures useful for developing and improving curricular units. Addresses the effect of individual differences upon selection, organization, and presentation of instructional material.

**Attributes:** Prof. Studies Students Only

**ED 4500 - Reading Methods I: Primary Grades****Credit(s): 3 Credits**

Introduction to various approaches of reading instruction and examines current reading practices. Focus of this course is on emergent and developmental stages of learning to read, instructional methods and selection of materials. (Taken by Elementary Education and Special Education Renaissance candidates).

**Attributes:** Prof. Studies Students Only

**ED 4510 - Reading Methods II: Diagnosis & Intervention****Credit(s): 3 Credits**

Designed as an introductory course to identify reading difficulties and intervention strategies with an emphasis on classroom application and correction of the reading problem. This course includes the study of formal and informal assessments and current literacy issues such as No Child Left Behind and state testing. Includes Practicum Experience. (Taken by Elementary Education and Special Education Renaissance Candidates)

**Prerequisite(s):** ED 4500

**Attributes:** Prof. Studies Students Only

**ED 4520 - Strategies in Literacy Instruction****Credit(s): 6 Credits**

Examines research and best practices affecting literacy development and instruction. Emphasizes the application of instructional strategies for developing reading and writing skills in the content area. Includes Practicum Experience. Taken by all Renaissance candidates.

**Attributes:** Prof. Studies Students Only

**ED 4530 - Literacy in the Content Fields****Credit(s): 3 Credits**

Examines research and best practices affecting student literacy development and instruction at the middle school and secondary level. Emphasizes the application of instructional strategies for developing reading and writing skills in the content areas. (Taken by Middle and Secondary RenPro-A Candidates)

**Attributes:** Prof. Studies Students Only

**ED 4540 - Strategies of Literacy Instruction: Elementary/Special Education****Credit(s): 3 Credits**

Examines research and best practices affecting literacy development and instruction. Emphasizes the application of instructional strategies for developing reading and writing skills in the content area. Includes practicum experience.

**Attributes:** Prof. Studies Students Only

**ED 4550 - Strategies of Literacy Instruction: Middle School****Credit(s): 3 Credits**

Examine research and best practices affecting literacy development and instruction. Emphasizes the application of instructional strategies for developing reading and writing skills in the content area. Includes practicum experience.

**Attributes:** Prof. Studies Students Only

**ED 4560 - Teaching Methods in Elementary Language Arts and Children's Literature****Credit(s): 3 Credits**

Emphasizes reading and writing development and instruction at the fluent stage. Emphasizes the application of instructional strategies for developing reading and writing skills in the content areas of the elementary curriculum. Includes teaching all genres of children's literature.

**Attributes:** Prof. Studies Students Only

**ED 4580 - Child's World of Literacy****Credit(s): 3 Credits**

Live in that world...Laugh in that world...Learn in that world...with the child learns about reading and writing. Become a 'kid-watcher' of literacy understanding how, what, and why the child is thinking; reflect on a 'cutting edge' instructional plan. (This course is designed for elementary, middle school, 'kid-watching' and 'kid-watching' of diverse learners including the gifted child.)

**Attributes:** Prof. Studies Students Only

**ED 4600 - Micro-computing Application and Teaching in Education****Credit(s): 3 Credits**

An introduction to the principles underlying the application of technology in the school; selection and evaluation of various media incorporation of technology into the curriculum. (taken by all Renaissance candidates).

**Attributes:** Prof. Studies Students Only**ED 4620 - Disabilities Studies I****Credit(s): 4 Credits**

An introduction to the profession of special education with information regarding the characteristics of persons with the various disabilities included in IDEA. History, theoretical foundations and practices related to the social, emotion, health, and learning characteristics of individuals with mild-moderate disabilities. The course includes an introduction to the educational and psychological characteristics (cognitive, emotional, and social) of school age individuals with mild-moderate disabilities and the implications these characteristics have for educational practice. Problems of definitions, screening, diagnosis, classification systems, transition, future planning, classroom management, and multicultural issues are introduced. Prerequisite: admission to the teacher preparation program.

**Attributes:** Prof. Studies Students Only**ED 4640 - Disabilities Studies II****Credit(s): 2 Credits**

This course provides an advanced discussion of the speech and language characteristics of school age individuals with mild-moderate disabilities and implications that these characteristics have for educational practice. It stresses characteristics of speech and language and provides the candidate with a thorough background in speech and language development related to children with special needs.

**Attributes:** Prof. Studies Students Only**ED 4680 - Disabilities Studies III****Credit(s): 3 Credits**

Problems of definitions, screening, diagnosis, classification systems, legal implications, transition, future planning, classroom management, and multicultural issues are addressed. The topic of selecting and developing intervention programs for students with mild-moderate disabilities including physical and other health impairments is the centerpiece of the course. Course content is based upon research-based best practices with respect to instructional approaches, methods, and materials specifically developed for special populations. Prerequisite: Ed 364, Disabilities Studies II.

**Attributes:** Prof. Studies Students Only**ED 4850 - Education Portfolio****Credit(s): 1 Credit**

This seminar addresses the practices of portfolio development as they pertain to candidates prior to and during student teaching. The portfolio is built around the MO Step standards. This includes a composition for each MO Step standard and artifacts. Grade obtained must be C+ or higher for teacher certification and graduation.

**Attributes:** Prof. Studies Students Only**ED 4911 - Professional Internship I****Credit(s): 1 Credit** (Repeatable for credit)

Formative examination and reflection of the educational process and practice through candidate's classroom experiences and observations. Involves on-going collaboration with candidates, Chair, University Educators, and Educator Mentors. Participation in district professional development program is required. (Taken by all candidates).

**ED 4912 - Professional Internship II****Credit(s): 1 Credit** (Repeatable for credit)

Formative examination and reflection of the educational process and practice through candidate's classroom experiences and observations. Involves on-going collaboration with candidates, Chair, University Educators, and Educator Mentors. Participation in district professional development program is required. (Taken by all candidates).

**ED 4913 - Professional Internship III****Credit(s): 1 Credit** (Repeatable for credit)

Formative examination and reflection of the educational process and practice through candidate's classroom experiences and observations. Involves on-going collaboration with candidates, Chair, University Educators, and Educator Mentors. Participation in district professional development program is required. (Taken by all candidates).

**ED 4914 - Professional Internship IV****Credit(s): 1 Credit** (Repeatable for credit)

Formative examination and reflection of the educational process and practice through candidate's classroom experiences and observations. Involves on-going collaboration with candidates, Chair, University Educators, and Educator Mentors. Participation in district professional development program is required. (Taken by all candidates).

**Restrictions:**

Enrollment limited to students in the Schl for Professional Studies college.

**ED 4930 - Special Topics****Credit(s): 1-3 Credits** (Repeatable for credit)**Attributes:** Prof. Studies Students Only**ED 4980 - Independent Study****Credit(s): 1-4 Credits** (Repeatable for credit)**Attributes:** Prof. Studies Students Only