EDUCATION (ED)

ED-EDTPA Educator Preparation Voucher Fee
Credits: None
Term Offered: All Terms
Course Type(s): None
Educator Preparation Voucher Fee for Undergraduate Students.

ED-050 English as a Second Language Instruction for Undergraduate International Students
Credits: None
Term Offered: All Terms
Course Type(s): None
This is a pass/fail course.

ED-101 Transition to College
Credits: 1
Prerequisite: Permission of the instructor.
Term Offered: All Terms
Course Type(s): None
The identification and management of the academic and socio-emotional issues confronting the student during the transitional stage from secondary to post-secondary education.

ED-250 Psychological and Philosophical Foundations of Education
Credits: 3
Prerequisites: sophomore standing, and a minimum G.P.A. of 3.00.
Term Offered: All Terms
Course Type(s): None
Enhances a teacher candidate's background in principles and practices of elementary and secondary education, including curriculum planning, assessment, procedures, instructional technology, culturally and linguistically diverse students, diverse learning needs, classroom management, core curriculum standards, and school organization. Relevant information about national and state standards will be addressed. Social, historical, political, psychological, and philosophical foundations of education are examined. Observation and participation in actual classroom procedures are required through structural experiences. Clinical Experience hours required. Education majors only.

ED-299 Ind Study in Education
Credits: 3
Course Type(s): None
Independent research in education in an area not substantially treated in a regular course offering under the supervision of an education faculty member; written evaluation of the research is required. For students with superior ability.

ED-300 Education and Culture
Credits: 3
Prerequisite: A minimum GPA of 3.00.
Term Offered: Spring Term
Course Type(s): GU
Offers students the opportunity to become immersed in educational, cultural, and historical contexts while exploring contemporary issues relevant to various countries or regions. Students will be introduced to cross-cultural issues within that country. They will expand their understanding of the focus country, especially its educational practices, as they gain an immersive experience related to education, history, culture, art, and literature through travel and through participating in volunteer work in a school setting. Students in this course examine another culture in order to gain experience which may transform not only their understanding of that culture, but the way in which they understand culture in general. Not open to freshmen.

ED-319 Content Literacy
Credits: 3
Prerequisites: ED-250; EN-101 and EN-102 or permission of the instructor, and a minimum GPA of 3.00.
Term Offered: All Terms
Course Type(s): EX5, WT
Designed to focus on the development of literacy through the integration of literature and literate thinking across the curriculum for academic-content learning at the secondary level. It emphasizes the implementation of both teaching and learning strategies to develop independent learners. The course includes research-based pedagogical strategies for teaching linguistically diverse students, students with diverse learning needs, and incorporating instructional technology into the classroom. Clinical Practice is required. Limited to Education majors.

ED-320 Teaching Students with Diverse Needs
Credits: 3
Prerequisites: ED-250; EN-101 and EN-102 or permission of the instructor, and a minimum GPA of 3.00.
Term Offered: All Terms
Course Type(s): RD, WT
Addresses two issues in today's field of education: ESL students in mainstream classrooms and students with special needs in inclusion classrooms. The relevant topics will be explored to provide teacher candidates with a theoretical foundation, an understanding of their legal responsibility, and an opportunity to design instruction addressing various needs of diverse students in an inclusive setting. Limited to Education majors. Clinical Experience hours required.

ED-327 Theories and Practice of ESL Instruction Part I
Credits: 3
Prerequisites: ED-320 and a minimum G.P.A. of 3.00.
Term Offered: All Terms
Course Type(s): None
With an emphasis on teaching English as a Second Language through content, part one of this two-semester course will introduce the history of ESL teaching and critically explore exemplary curriculum designs and methods of teaching ESL. A wide range of ESL instructional materials, instructional technology, services, and assessment measures will be introduced and practiced, with an emphasis on standard-based content and ESL teaching. Both instructional design and implementation will be the focus for practice, with embedded language acquisition/learning theories and research studies carefully examined. Clinical Hours required. Education majors only.

ED-328 Theories and Practice of ESL Instruction Part II
Credits: 3
Prerequisites: ED-327 or ED-374, EN-442 and a minimum G.P.A. of 3.00.
Term Offered: All Terms
Course Type(s): None
A continuation of ED-327 examines public issues pertinent to ESL education, with an emphasis on making connections between theories or research findings and classroom practice. More approaches to ESL instruction will be introduced with an emphasis on various strategies, techniques, and instructional technology for teaching specific language skills in a standard-based content and ESL teaching program. Reflective practice is an integral part. Clinical Hours required.
ED-331  Music for the Child                      Credits: 2
Prerequisites: MU-151 and MU-218.
Term Offered: Fall Term
Course Type(s): None
Focus on methods and materials of teaching in the elementary school (K-8): singing, rhythmic expression, listening, use of simple instruments, and correlating music with other areas of learning. It will include pedagogical strategies related to teaching linguistically diverse students, students with diverse needs, using instructional technology and using data to inform instruction. For Music majors only. Also listed as MU-331. Clinical Hours required.

ED-333  The Teaching of Music in the Secondary School                      Credits: 2
Prerequisites: MU-151 and MU-218.
Term Offered: Spring Term
Course Type(s): None
Study and application of appropriate concepts, methods, skills, and materials for secondary-school music teachers. It will include pedagogical strategies for teaching linguistically diverse students, those with special needs using instructional technology and using data to inform instruction. For Music majors only. Clinical Hours required. Also listed as MU-333.

ED-336  Applied Linguistics for the Language Educator                      Credits: 3
Prerequisite: A minimum G.P.A. of 3.00.
Term Offered: Summer Term
Course Type(s): None
Designed to introduce students to the concepts of linguistics as related to bilingual education and the teaching of English as a second language. Students will also learn structural aspects of linguistics, including morphology (words), syntax (sentence patterns), semantics (the meaning of words), phonetics and phonology (the sounds of language), pragmatics (the way language works in the world), and English grammar. Students will gain familiarity with important theories, research, and how the English language works. Education majors only. Clinical Hours required.

ED-351  Methods of Teaching Art I                                          Credits: 3
Prerequisites: AR-114, AR-116, and AR-192 and a minimum GPA of 3.00.
Term Offered: Fall Term
Course Type(s): None
The history and philosophy of art education; the construction of art curricula and the exploration of teaching methods; media and tools appropriate for the educational level. Methods I deals with the needs of the elementary school child. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Hours required. Open to Education majors only. Also listed as AR-351.

ED-352  Methods of Teaching Art II                                          Credits: 3
Term Offered: All Terms
Course Type(s): None
The history and philosophy of art education; the construction of art curricula and the exploration of teaching methods; media and tools appropriate for the educational level. Methods II deals with the needs of the adolescent. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Hours required. Open to Education majors only. Also listed as AR-352.

ED-360  Methods of Teaching Elementary Mathematics                         Credits: 3
Prerequisites: MA-103 or MA-203, EDL-326, and a minimum G.P.A. of 3.00.
Term Offered: All Terms
Course Type(s): EX5
ED-360 is designed to provide a profound understanding of the concepts taught in elementary school mathematics. Teacher candidates participate in activities and learn techniques to foster conceptual development in young learners, thus producing confidence and success in the learning of mathematics. The essential elements of instruction, assessment, grouping strategies, and effective questioning are illustrated and honed when planning to address the instructional needs for diverse learners in mathematics. This course contains foundational knowledge which will be used during the clinical practice performance assessment. It will include research-based pedagogical strategies for teaching linguistically diverse students, those with special needs, using instructional technology and using data to inform instruction. Clinical Practice hours required.

ED-361  Methods of Teaching Science for Elementary School                 Credits: 3
Prerequisites: EDL-326 and a minimum GPA of 3.00.
Term Offered: All Terms
Course Type(s): EX5
Science methods for elementary education students is designed for those without a strong background in science (although those with a strong background will also benefit greatly from this course). The intent of this course is to provide an integrated perspective of teaching science from pre-kindergarten through grade 5. This course will provide active learning of science concepts through various inquiry activities. Following the learning theories that have produced both the Next Generation Science Standards and the New Jersey Core Curriculum Content Standards for science, this course will utilize projects, cases, and problems in real world settings using a diversity of instructional methods and strategies to provide each student with the opportunity to learn how to teach inquiry and problem-solving across the sciences. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Practice hours required.

ED-362  Teaching Elementary Social Studies                                Credits: 3
Prerequisites: EDL-326 and a minimum G.P.A. of 3.00.
Term Offered: All Terms
Course Type(s): EX5
Introduces elementary teacher certification candidates to the social studies curriculum and methods. Course content will emphasize national and state standards for social studies education, cross-curriculum integration, particularly world languages and culture, personal and social problem solving, and situated cognition in social studies education learning. The essential elements of planning, instruction using technology, and assessment based on research and data are explored to teach culturally and linguistically diverse learners and students with diverse learning needs in social studies education. Clinical Practice hours required. Not open to Art majors.
ED-365  Secondary Mathematics Methods, Part I  Credits: 3
Prerequisites: ED-319 or EDL-327, ED-320, and a minimum GPA of 3.00.
Term Offered: Fall Term
Course Type(s): EX5
Focus will be on the teaching of secondary mathematics. It is intended to
deepen future secondary school teachers’ understanding of the secondary
mathematics curriculum and build their competencies at the level of instructional implementation. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Essential elements of effective instruction, including inquiry based learning, implementing tasks that promote reasoning and problem-solving, assessment, facilitating meaningful mathematical discourse, eliciting and using evidence of student thinking, grouping strategies and effective questioning are explored as these are techniques utilized to bring conceptual understanding of mathematics to all learners. The fieldwork component of the course requires clinical practice hours in a secondary public school mathematics classroom and provides candidates with opportunities to translate theory into practice. Clinical Practice hours required.

ED-366  Secondary Mathematics Methods, Part II  Credits: 3
Prerequisites: ED-319 or EDL-327, ED-320, ED-365, and a minimum GPA of 3.00.
Term Offered: Fall Term
Course Type(s): EX5
ED-366 is the second course in a sequence intended to deepen future secondary school teachers’ understanding of the secondary mathematics curriculum and build their competencies at the level of instructional implementation. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Essential elements of effective instruction, including inquiry based learning, implementing tasks that promote reasoning and problem-solving, assessment, facilitating meaningful mathematical discourse, eliciting and using evidence of student thinking, grouping strategies and effective questioning are explored as these are techniques utilized to bring conceptual understanding of mathematics to all learners. The fieldwork component of the course requires clinical practice hours in a secondary public school mathematics classroom and provides candidates with opportunities to translate theory into practice. Education majors only. Clinical Practice hours required.

ED-367  Teaching Language Arts at the Secondary Level Part I  Credits: 3
Prerequisites: ED-319 or EDL-327, and a minimum G.P.A. of 3.00.
Term Offered: Fall Term
Course Type(s): EX5
As a component of the teacher-education program, the intention is
to introduce to future secondary English/Language Arts teachers the fundamental
criteria of design and instructional planning. To also introduce a variety of approaches to curriculum design with
an emphasis on the two distinct but important goals of language arts education: developing general literacy skills and discovering the inner
joy of reading literature and using language as a tool for communication. Topics related to decision-making, classroom management, and
instructional planning are treated in depth to help prospective teachers
master the base competencies at the level of planning to fulfill the
requirement for state and national certification. The course includes research-based pedagogical strategies for utilizing data to inform
instruction.

ED-368  Teaching Language Arts at the Secondary Level Part II Credits: 3
Prerequisites: ED-367 and a minimum G.P.A. of 3.00.
Term Offered: Fall Term
Course Type(s): EX5
A continuation of ED-367: Teaching Language Arts at the Secondary Level
Part I. Part II provides in-depth preparation to teach candidates desiring
to teach English/Language Arts at the secondary level by extending
the essential knowledge, skills, and strategies grounded in research
and related to effective classroom instruction. Teacher candidates will
have increased opportunities to apply theory and refine practice in the
use of print and non-print texts and in the integration of the English
Language Arts through clinical practice. The NCTE/ILA and New Jersey
Core Content Curriculum Standards will be an integral part of the course.
The course includes research-based pedagogical strategies for teaching
students with diverse needs, incorporating instructional technology into
the classroom, and utilizing data to inform instruction. Clinical Practice
hours required.

ED-369  Methods of Teaching Science for the Secondary Teacher Part I  Credits: 3
Prerequisites: ED-319 or EDL-327, and a minimum GPA of 3.00.
Term Offered: Fall Term
Course Type(s): EX5
Science methods for middle- and secondary-education students is
designed for those with a background in science. The intent is to provide
an integrated perspective of teaching science from grade 5 through
grade 12. It also provides active learning of science concepts through
various inquiry activities. Following the learning theories that have
produced both the Next Generation Science Standards and the New
Jersey Core Curriculum Content Standards for science, it will utilize
projects, cases, and problems in real-world settings, using a diversity of
instructional methods and strategies to provide each student with the
opportunity to learn how to teach inquiry and problem-solving across the
sciences. The course includes research-based pedagogical strategies
for teaching linguistically diverse students, those with diverse learning
needs, incorporating instructional technology into the classroom and
utilizing data to inform instruction.

ED-370  Methods of Teaching Science for the Secondary Teacher Part II  Credits: 3
Prerequisites: ED-369 and a minimum GPA of 3.00.
Term Offered: Fall Term
Course Type(s): EX5
Science methods for middle- and secondary-education students is
designed for those with a background in science. The intent is to provide
an integrated perspective of teaching science from grade 5 through
grade 12. Also will provide active learning of science concepts through
various inquiry activities. Following the learning theories that have
produced both the Next Generation Science Standards and the New
Jersey Core Curriculum Content Standards for science, it will utilize
projects, cases, and problems in real-world settings, using a diversity of
instructional methods and strategies to provide each student with the
opportunity to learn how to teach inquiry and problem-solving across the
sciences. The course includes research-based pedagogical strategies
for teaching linguistically diverse students, those with diverse learning
needs, incorporating instructional technology into the classroom and
utilizing data to inform instruction. Clinical Practice hours required.
Limited to Education majors.
**ED-371 Teaching Social Studies at the Secondary Level Part I**  
**Credits:** 3

**Prerequisites:** ED-319 or EDL-327 and a minimum G.P.A. of 3.00.  
**Term Offered:** Fall Term  
**Course Type(s):** EX5

Introduces the middle- and secondary-level teacher certification candidate to social studies curriculum and methods. Course content will emphasize national and state standards for social studies education curriculum across the traditional social science disciplines. The course will also explore the philosophical and theoretical foundations of social studies education. It provides the candidate with practical strategies necessary for success in teaching culturally and linguistically diverse students and students with diverse learning needs, utilizing instructional technology, and using research and data to assess and inform instruction in the context of social studies.

**ED-372 Teaching Social Studies at the Secondary Level Part II**  
**Credits:** 3

**Prerequisites:** ED-371 and a minimum GPA of 3.00.  
**Term Offered:** Fall Term  
**Course Type(s):** EX5

Expands and further develops competencies. Instructional methodologies focusing on a constructivist and student-centered approach, using instructional technology, will be explored. Targets strategies for future secondary teachers to teach culturally and linguistically diverse students and students with diverse learning needs and to meet the New Jersey Core Curriculum Content Standards for Social Studies to include: infusing Economics and Geography into the curriculum, developing greater technology coalescence, extending cross-curriculum lesson plans, embracing a pluralistic approach, and expanding multicultural themes. Fosters the development of effective inquiry-based curriculum activities making active use of community-based resources and using research and assessment data to inform instruction in the context of social studies. Clinical practice hours required. Education majors only.

**ED-374 Issues and Practices in World Language Education Part II**  
**Credits:** 3

**Prerequisites:** ED-320 and a minimum G.P.A. of 3.00.  
**Term Offered:** Fall Term  
**Course Type(s):** EX5

Issues and practices in world language curriculum and instruction. Fieldwork required. Designed to expand future world language teachers' understanding of the complexities of the content-based instruction in curriculum design and strengthen their competencies with a focus on standard-based language instruction that addresses the national and state standards. A wide range of world language instructional materials, instructional technology, services, and assessment measures will be introduced and practiced. The experiential component of the course provides the students with opportunities for hands-on experiences for deepening understanding and strengthening competencies. For Education majors only. Clinical Practice hours required.

**ED-377 Integrated K-12 Teaching Methods**  
**Credits:** 3

**Prerequisites:** ED-319, ED-320 and a minimum GPA of 3.00.  
**Term Offered:** Fall Term  
**Course Type(s):** None

Deepens future K-12 school teachers’ understanding of the complexities of the curriculum and builds their competencies at the level of instructional implementation in specific subject areas. Focuses on a broad spectrum of instructional methodologies and techniques that are workable in today's classroom. A constructivist approach to planning and instruction will be emphasized. The experiential component of the course provides the students with opportunities for clinical work in the classroom, strengthening competencies and deepening understanding. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Practice hours required. Education majors only.

**ED-378 Methods of Teaching Health K-12**  
**Credits:** 3

**Prerequisites:** ED-320 and a minimum G.P.A. of 3.00.  
**Term Offered:** All Terms  
**Course Type(s):** HEPE

Focus will be on methods for teaching physical education in K-12 settings. Emphasis will be placed on using recent data and contextual information to design instruction that focuses on the importance of a skill-based approach to health education. Future professionals will learn pedagogical strategies related to teaching culturally and linguistically diverse students and students with diverse (special) needs in addition to using instructional technology, research-based best practices, and assessment data to inform instruction. Clinical practice hours required in accordance with New Jersey state statues. Education majors only.

**ED-379 Methods of Teaching Physical Education K-12**  
**Credits:** 3

**Prerequisites:** ED-320 and a minimum G.P.A. of 3.00.  
**Term Offered:** Fall Term  
**Course Type(s):** HEPE

Focus will be on methods for teaching physical education in K-12 settings. Future professionals will learn pedagogical strategies related to teaching culturally and linguistically diverse students and students with diverse (special) needs in addition to using instructional technology, research-based best practices, and assessment data to inform instruction. Clinical Practice hours required in accordance with New Jersey state statues. Education majors only.

**ED-380 Middle Level Learning and Teaching**  
**Credits:** 3

**Prerequisites:** ED-250, ED-320, and a minimum GPA of 3.00.  
**Term Offered:** Spring Term  
**Course Type(s):** EX5

The candidate will examine aspects of middle-level schooling that are responsive to the nature and needs of adolescents. The candidate will apply knowledge of adolescents' cognitive and affective development to design learning environments and to structure and implement learning experiences that effectively promote academic achievement and personal growth for all middle-grade students. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Clinical Experience hours required.
ED-398  Special Topics in Education (300 Level)  Credits: 1-3
Prerequisites: As announced in the course schedule and a minimum GPA of 3.00.
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in education to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis.

ED-399  Independent Study in Education  Credits: 3
Term Offered: All Terms
Course Type(s): None
Independent research in education in an area not substantially treated in a regular course offering under the supervision of an education faculty member; written evaluation of the research is required. For students with superior ability.

ED-416  Clinical Practice  Credits: 8
Prerequisites: Passing the appropriate state required teacher examinations, Senior standing, approval of the department, and a minimum GPA of 3.00. Corequisite: ED-EDTPA.
Term Offered: All Terms
Course Type(s): EX5
This full-time, full-semester clinical practice in a school setting requires clinical interns to observe, plan, instruct, and assess P-12 students collaborating with a cooperating teacher and university faculty. Clinical interns complete an edTPA portfolio and analyze their instruction and the effect on student achievement. In addition, there are on-campus seminars, focus groups and an online component. All aspects of the requirements are linked to the New Jersey Student Learning Standards (NJSLS) the NEW Jersey Professional Standards for Teachers (NJPST), and national Specialty Professional Association (SPA) standards. The course includes research-based pedagogical strategies for teaching linguistically diverse students, those with diverse learning needs, incorporating instructional technology into the classroom and utilizing data to inform instruction. Limited to Education majors.

ED-416S  Clinical Practice Seminar  Credits: 1
Prerequisite: A minimum G.P.A. of 3.00.
Term Offered: All Terms
Course Type(s): None
A one-credit seminar to be taken in conjunction with Clinical Practice. Education majors only.

ED-427  The Teaching of World Languages  Credits: 3
Term Offered: Spring Term
Course Type(s): None
This course is designed to prepare the World Language teacher candidate's understanding of the ACTFL performance guidelines and standards together with their application and assessment in the classroom. Various modes of teaching language will be explored including meaningful integration of the ACTFL 5 C's and Integrated Performance Assessments into each lesson. Professional development is explored and students must complete a professional Development Plan that includes joining professional affiliations. Preparation for the edTPA is included in this course with one lesson in the target language to be presented and videotaped in class for self and group assessment. This course will include pedagogical strategies related to teaching linguistically diverse students, students with diverse needs, using instructional technology and using data to inform instruction. These components provide the students with valuable pre-teaching experiences that will strengthen understanding of teaching strategies and capabilities. Also listed as FO-427. Clinical Hours are required.

ED-428  Culturally and Linguistically Responsive Teaching  Credits: 3
Prerequisites: ED-250 and a minimum G.P.A. of 3.00.
Term Offered: All Terms
Course Type(s): OL
Students will focus on two aspects of culturally and linguistically responsive and relevant instruction. The first aspect is the focus on equity and diversity and the second aspect concentrates on pedagogy for infusing culturally and linguistically responsive teaching into instruction. Professionals will engage in self-reflection related to racism and other forms of discrimination in order to better understand how identities and ideologies impact everyday school practices and the educational experiences of all students, especially those from culturally and linguistically diverse backgrounds. The course also includes incorporating instructional technology into the classroom and utilizing data to inform instructions.

ED-498  Special Topics in Education (400 Level)  Credits: 1-3
Prerequisites: As announced in the course schedule and a minimum GPA of 3.00.
Term Offered: All Terms
Course Type(s): None
An intensive study of a particular subject or problem in education to be announced prior to registration. May be conducted on either a lecture-discussion or a seminar basis.

ED-499  Independent Study in Education  Credits: 1-3
Prerequisite: Prior permission of the directing professor and department chair.
Term Offered: All Terms
Course Type(s): None
Independent research in education in an area not substantially treated in a regular course offering under the supervision of an Education faculty member; written evaluation of the research is required. For students with superior ability. Application must be filed before registration.