EDUCATION (EDUC)

200 Level Courses
EDUC 200: Introduction to Education: Teaching, Learning and Schools. 3 credits.
Introduces educational issues related to learning, schooling and teaching. Examines roles of teachers and nature of American schools and learners. Requires 15 hours of school-based field experience during the course. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). Limited to two attempts.

Mason Core: Social/Behavioral Sciences (http://catalog.gmu.edu/mason-core/)

Schedule Type: Lecture
Grading:
This course is graded on the Undergraduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 203: Disability in American Culture. 3 credits.
Examines disability, past and present, in American culture through changes in historical, political, legal and societal responses to people with disabilities. Analyzes the disability experience through social and behavioral science perspectives, including diversity, bioethical and human rights conceptualizations/constructs of disability. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). Limited to three attempts.

Mason Core: Social/Behavioral Sciences (http://catalog.gmu.edu/mason-core/)

Schedule Type: Lecture
Grading:
This course is graded on the Undergraduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

300 Level Courses
EDUC 300: Introduction to Teaching. 3 credits.
Introduction to educational issues; not applicable in graduate-level teacher education programs. Examines roles of teacher, nature of American schools, and potential contributions of students. Notes: Requires school-based field experience during course. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). Limited to three attempts.

Schedule Type: Lecture
Grading:
This course is graded on the Undergraduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 301: Educating Diverse and Exceptional Learners. 3 credits.
Introduces educational issues. Explores psychological, sociological, educational, and physical aspects of diverse populations in today’s schools for early and middle education. Emphasizes litigation and legislation pertaining to education of diverse populations. Notes: Requires school-based field experience during course. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). Limited to two attempts.

Schedule Type: Lecture
Grading:
This course is graded on the Undergraduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

400 Level Courses
EDUC 422: Foundations of Secondary Education. 3 credits.

Registration Restrictions:
Enrollment is limited to students with a major, minor, or concentration in Secondary Ed - Biology 6-12, Secondary Ed - Chemistry 6-12, Secondary Ed - Mathematic 6-12, Secondary Ed - English 6-12, Secondary Ed - Physics 6-12 or Secnd Ed - Earth Science 6-12.

Schedule Type: Lecture
Grading:
This course is graded on the Undergraduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)
Schedule Type: Lecture

Grading:
This course is graded on the Undergraduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

500 Level Courses

EDUC 501: Human Development and Learning. 3 credits.
Examines human growth and development through physical, cognitive, language, social/emotional, and moral developmental domains. Note: This course is not designed to be transferable or eligible to count towards a degree program. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 502: Curriculum and Instruction – Teaching All Learners. 3 credits.
Focuses on frameworks and methods for effective implementation of curricula across PK-12 teaching contexts that support academic progress toward Virginia Standards of Learning for all PK-12 learners. Builds capacity to apply culturally relevant curricula, methodologies, and materials responsive to strengths and needs of all PK-12 learners. Note: This course is not designed to be transferable or eligible to count towards a degree program. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 503: Assessment of and for Learning. 3 credits.
Examines innovative approaches to K-12 classroom assessment. Examines identification, placement, monitoring of student progress, development of authentic performance-based measures, design of portfolios, application of measurement concepts, analysis of assessment instruments, and linking assessment to instruction. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Undergraduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 504: Foundations of Education. 3 credits.
Examines the historical, philosophical, and sociological foundations of education as they relate to U.S. schools. Explores the relationship between society and education, teaching as a profession, as well as professionalism and ethical standards. Note: This course is not designed to be transferable or eligible to count towards a degree program. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 505: Classroom and Behavior Management in PreK-12 Classrooms. 3 credits.
Focuses on understanding and applying age-appropriate and culturally responsive research-based classroom and behavior management techniques across PreK-12 school-wide and classroom settings. Examines positive behavior supports for individual PreK-12 students, including strategies for self-management, self-discipline, and emotional well-being. Explores various PreK-12 school crisis management and safety plans. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Undergraduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 506: Foundations of Literacy. 3 credits.
Provides an overview of the research and theory related to the reciprocal processes of reading and writing. Emphasizes evidence-based instructional practices for teaching phonological awareness, phonics, fluency, vocabulary, comprehension, and writing. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
EDUC 511: Child and Adolescent Development in Global Contexts. 3 credits.
Provides an introduction to teaching culturally and linguistically diverse and exceptional learners. Includes analysis of human growth and development, an overview of psychology, and introduction to using technology across the curriculum. Note: Fieldwork hours are required. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture
Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 512: Teaching Elementary Social Studies in International Schools. 3 credits.
Builds expertise in methods, including experiential and student-centered learning and developing comprehensive lessons plans to enhance teaching social studies in international PK-6 classrooms. Exposes prospective teachers to critical issues and concerns in teaching social studies in the global classroom. Fieldwork hours are required. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Required Prerequisites: EDUC 511 B- or 511 XS.
B- Requires minimum grade of B-.
XS Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Seminar
Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 513: Teaching Elementary Math in International Schools. 3 credits.
Presents topics in school mathematics with particular emphasis on developing common PK-6 strands for application in international schools. Focuses on exploring, verifying, and explaining concepts using concrete materials. Fieldwork hours are required. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Required Prerequisites: EDUC 511 B- or 511 XS.
B- Requires minimum grade of B-.
XS Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture
Grading:
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 514: Teaching Elementary Science in International Schools. 3 credits.
Covers theory and practices of effective teaching of PK-6 science in international schools. Uses laboratory and discovery techniques to design essential science components and integrate them with other disciplines. Introduces design and implementation of activities for developing concepts solving problems, and strengthening thinking skills in PK-6 science. Fieldwork hours are required. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Required Prerequisites: (EDUC 511 B- or 511 XS) and (EDUC 512 B- or 512 XS) and (EDUC 513 B- or 513 XS) and (EDUC 537 B- or 537 XS) and (EDRD 515 B- or 515 XS).
B- Requires minimum grade of B-.
XS Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture
Grading:
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 516: Language Across the Elementary International School Curriculum. 3 credits.
Introduces current methods of teaching integrated language arts in elementary school settings (PK-6). Includes language and literacy development, second language acquisition, reading and writing in content areas, and children’s literature. International focus considers needs of second-language learners in regular classroom settings. Fieldwork hours are required. Offered by School of Education (http://catalog.gmu.edu/
Enrollment is limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 522: Foundations of Secondary Education. 3 credits.

Registration Restrictions:
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 537: Introduction to Culturally & Linguistically Diverse Learners. 3 credits.
Examines the ways intersections of race, ethnicity, language, socioeconomic status, gender, sexual orientation, and ability affect equity for PK-12 culturally and linguistically diverse (CLD) learners. Invites educators to interrogate ways that personal cultural identity and biases influence instructional and assessment practices with CLD learners and relationships with families. Fieldwork hours are required. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/edu-education/). May not be repeated for credit.

Registration Restrictions:
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 542: Foundations of Education. 3 credits.
Examines the historical, philosophical, and sociological foundations of education as they relate to elementary schools, with a particular emphasis on teaching a culturally diverse population. Students will develop an understanding of the relationship between society and education. School-based field experience required. Offered by School of Education.

Registration Restrictions:
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

**Recommended Prerequisite:** Admission to the Elementary Education licensure program.

**Registration Restrictions:**
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 543:** *Children, Family, Culture, and Schools, 4-12 Year Olds.* 3 credits.
Examines child and family development and ways children, families, schools, and communities interrelate. Links children's developing physical, social, emotional, and cognitive abilities to planning curriculum and developing instructional strategies. Notes: Requires school-based field experience. Offered by School of Education. (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit. Equivalent to ELED 543.

**Recommended Prerequisite:** Admission to the Elementary Education licensure program.

**Registration Restrictions:**
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 547:** *Scientific Inquiry and the Nature of Science.* 3 credits.
Incorporates understanding about scientific knowledge in K-12 classrooms. Builds fundamental knowledge of scientific inquiry and the nature of scientific knowledge and skills to weave this knowledge explicitly in curriculum. Focuses on developing inquiry-based lessons for students to investigate science and assessing student understanding of science and the nature of science. Offered by School of Education. (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Registration Restrictions:**
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 592:** *Effective Collaboration for Teaching Diverse Learners in Secondary Social Studies.* 3 credits.
Provides an opportunity for pre-service and in-service teachers to interact with young people and teachers in a range of school settings, exploring and documenting their points of view on teaching using a range of methods and visual and technology-oriented media and interview procedures. Offered by School of Education. (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Registration Restrictions:**
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 595:** *Perspectives on Exceptional Teaching.* 3 credits.
Provides an opportunity for pre-service and in-service teachers to interact with young people and teachers in a range of school settings, exploring and documenting their points of view on teaching using a range of methods and visual and technology-oriented media and interview procedures. Offered by School of Education. (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Registration Restrictions:**
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 597:** *Special Topics in Education.* 1-6 credits.
Provides advanced study on selected topic or emerging issue in American or international education. Notes: May be repeated for credit with GSED permission. Offered by School of Education. (http://catalog.gmu.edu/
Required Prerequisites:

Registration Restrictions:

maximum 6 credits.

Specialized Designation: Topic Varies

Recommended Prerequisite: Admission to program in Graduate School of Education.

Registration Restrictions:

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lec/Sem #1, Lec/Sem #2, Lec/Sem #3, Lec/Sem #4, Lec/Sem #5, Lec/Sem #6, Lec/Sem #7, Lec/Sem #8, Lec/Sem #9, Lecture, Sem/Lec #10, Sem/Lec #11, Sem/Lec #12, Sem/Lec #13, Sem/Lec #14, Sem/Lec #15, Sem/Lec #16, Sem/Lec #17, Sem/Lec #18

Grading:

This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 598: Directed Reading, Research, and Individual Projects. 1-6 credits.

Presents various subjects and projects, principally by directed study, discussion, research, and participation under supervision of graduate faculty member. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May be repeated within the term for a maximum 12 credits.

Specialized Designation: Topic Varies

Recommended Prerequisite: Admission to degree program, and permission of dean.

Registration Restrictions:

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Independent Study

Grading:

This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

600 Level Courses

EDUC 606: Education and Culture. 3 credits.

Uses cultural inquiry process (CIP) and web site to acquire cultural, social, and language-related perspectives on educational processes; and teaches skills to analyze educational settings and expand strategies to address puzzles in students’ own practice. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May be repeated within the degree for a maximum 6 credits.

Registration Restrictions:

Required Prerequisites: (EDUC 612B or 612XS) and (EDUC 613B or 613XS).

EDUC 608: Teacher Leadership for Professional Learning. 3 credits.

Examines teacher leadership as a vehicle for professional growth and change. Focuses on the role of teacher learning in strengthening school capacity and offers teachers a foundation for enacting teacher leadership in their own school contexts via mentoring, collaboration, and related professional development endeavors. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:

Enrollment limited to students with a class of Advanced to Candidacy or Graduate.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 612: Inquiry into Practice. 2 credits.

Provides experience using research skills to foster systematic and thoughtful inquiry into classroom practice. Explores relevant classroom practice issues through critical writing, action, and research. Emphasizes cultural diversity and gender issues in research. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May be repeated within the degree for a maximum 6 credits.

Registration Restrictions:

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a major in ASTL-Alternative Education, ASTL-Early Childhood Educ, ASTL-Foreign Languages/French, ASTL-Foreign Languages/Spanish, Gifted Child Education, ASTL - History, ASTL-Instructional Technology, ASTL - Literacy/Reading, ASTL - Mathematics, ASTL-NBPTS Preparation Core, ASTL - Science or Curriculum and Instruction.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 613: Inquiry into Practice. 2 credits.

Requires minimum grade of B-.

XS Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a major in ASTL-Alternative Education, ASTL-Early Childhood Educ, ASTL-Foreign Languages/French, ASTL-Foreign Languages/Spanish, Gifted Child Education, ASTL - History, ASTL-Instructional Technology, ASTL - Literacy/Reading, ASTL - Mathematics, ASTL-NBPTS Preparation Core, ASTL - Lit PK12 Clrsm Teachers, ASTL-Physical Education, ASTL - Science, ASTL-Teacher Leadership, Curriculum and Instruction or Dsgning Dgtl Lrning in Schools.
Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 613: How Students Learn. 3 credits.
Advanced course in study of learning based on research and theory from different disciplines. Focuses on increasing students’ learning through study of different learning systems, and understanding each learner in context of learning process itself. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May be repeated within the degree for a maximum 6 credits.

Registration Restrictions:
Required Prerequisites: EDUC 612B- or 612XS.  
B- Requires minimum grade of B-.  
XS Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.


Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 614: Designing and Assessing Teaching and Learning. 2 credits.
Explores design and development of curricular, pedagogical, and assessment strategies responsive to needs and interests of students. Investigates factors that affect teaching and learning, and examines multiple ways of knowing that teachers bring to classrooms. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May be repeated within the degree for a maximum 6 credits.

Registration Restrictions:
Required Prerequisites: (EDUC 612B- or 612XS) and (EDUC 613B- or 613XS).  
B- Requires minimum grade of B-.  
XS Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.


Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 615: Educational Change. 2 credits.
Explores influences on educational change at classroom, school, community, state, and national levels. Investigates implications of factors and influences that affect educational change. Analyzes influences and factors, and involves students in reflecting on their own experiences. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Required Prerequisites: (EDUC 612B- or 612XS) and (EDUC 613B- or 613XS) and (EDUC 614B- or 614XS) and (EDUC 606B- or 606XS).  
* May be taken concurrently.  
B- Requires minimum grade of B-.  
XS Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.


Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.
Enrollment is limited to students with a concentration in ASTL-Adv Intl Baccalaureate, Int’l Baccalaureate Education or IB in Teaching Learning.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 622: Curriculum Development across IB Programs. 3 credits. 
Explores the development of practical knowledge about the design and structure of the IB programs’ curricula. Provides a foundation for understanding how the programs are implemented and how student learning developed within them is assessed. Fieldwork hours are required. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Required Prerequisites: EDUC 621B or 621XS.

* May be taken concurrently.
B- Requires minimum grade of B-.
XS Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a concentration in ASTL-Adv Intl Baccalaureate, Int’l Baccalaureate Education or IB in Teaching Learning.

Students in a Non-Degree Undergraduate degree may not enroll.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 624: Assessment and Learning in IB Schools. 3 credits.
Explores the essential role of assessment in teaching IB learners. Addresses formative and summative assessment practices as an integral part of the IB curriculum as well as the use of assessment for differentiation and planning. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Required Prerequisites: (EDUC 621B or 621XS).
* May be taken concurrently.
B- Requires minimum grade of B-.
XS Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a concentration in ASTL-Adv Intl Baccalaureate, Int’l Baccalaureate Education or IB in Teaching Learning.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 626: Inquiry into Action: IB Teachers, Learners, and Schools. 3 credits.
Uses the action research and qualitative process to help educational practitioners plan and complete an action research study related to IB learners, teachers, or schools. Examines the social, cultural, and ethical issues of conducting research with students. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Required Prerequisites: (EDUC 621B or 621XS) and (EDUC 622B or 622XS) and (EDUC 623B or 623XS) and (EDUC 624B or 624XS).
* May be taken concurrently.
B- Requires minimum grade of B-.
XS Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a concentration in ASTL-Adv Intl Baccalaureate, Int’l Baccalaureate Education or IB in Teaching Learning.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.
**Grading:**
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 627: Contemporary Issues and Trends in IB.** 3 credits.
Focuses on current IB research, trends, and issues as well as international, national, and state/provincial legislation concerning schools and the potential impact on IB schools. Participants are prepared as leaders and advocates for IB programs and their students. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Recommended Prerequisite:** Admission to GSE, enrollment in FAST TRAIN IB certificate program and completion of EDUC 621, or permission of instructor.

**Registration Restrictions:**
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 628: Curriculum for IB Leadership.** 3 credits.
Develops knowledge about the philosophy, design, and structure of the International Baccalaureate and its curriculum. Examines current trends and issues in the leadership of IB and international schools. Provides a foundation for understanding the significant role of school leaders in the authorization and implementation of IB programs and curriculum. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Registration Restrictions:**
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Students in a Non-Degree Undergraduate degree may not enroll.

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 647: Critical Reflective Practice.** 1.5 credit.
Engages students in a learning community of teachers to develop skills of critical reflection on professional practice. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Registration Restrictions:**
Enrollment limited to students with a class of Graduate, Junior Plus or Senior Plus.

Enrollment is limited to students with a concentration in Transformative Teaching.

Enrollment is limited to Graduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Students in the GMU Korea campus may not enroll.

**Schedule Type:** Seminar

**Grading:**
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 649: Critical Dialogue in Education.** 1.5 credit.
Offers opportunity to develop critical dialogue and peer feedback skills focused on professional practice. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Registration Restrictions:**
Enrollment limited to students with a class of Graduate, Junior Plus or Senior Plus.

Enrollment is limited to students with a concentration in Transformative Teaching.

Enrollment is limited to Graduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Students in the GMU Korea campus may not enroll.

**Schedule Type:** Seminar

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 651: Critical Theories and Pedagogies.** 3 credits.
Explores critical theories and pedagogies experientially, including alternative assessments that address educational equity and access, power, and approaches for deepening our practice as citizens in a democracy. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Recommended Prerequisite:** EDUC 647.

**Registration Restrictions:**
Enrollment limited to students with a class of Graduate, Junior Plus or Senior Plus.

Enrollment is limited to students with a concentration in Transformative Teaching.

Enrollment is limited to Graduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Students in the GMU Korea campus may not enroll.

**Schedule Type:** Seminar

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 653: Technology and Learning.** 3 credits.
Develops technological knowledge and skills to support teaching and learning and to sustain and enhance learning communities. Teachers explore and critique the possibilities and concerns of using technology in learning environments. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Recommended Prerequisite:** EDUC 647.

**Registration Restrictions:**
Enrollment limited to students with a class of Graduate, Junior Plus or Senior Plus.

Enrollment is limited to students with a concentration in Transformative Teaching.

Students in a Non-Degree Undergraduate degree may not enroll.

Students in the GMU Korea campus may not enroll.

**Schedule Type:** Seminar

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 655: Teacher Research Methods.** 3 credits.
Introduces teacher research methods and situates them in relation to other research approaches. Emphasizes the understanding and use of various research methods as innovative approaches to teaching and learning. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Recommended Prerequisite:** EDUC 651 and EDUC 653.

**Registration Restrictions:**
Enrollment limited to students with a class of Graduate, Junior Plus or Senior Plus.

Enrollment is limited to students with a concentration in Transformative Teaching.

Students in a Non-Degree Undergraduate degree may not enroll.

Students in the GMU Korea campus may not enroll.

**Schedule Type:** Seminar

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 657: Teaching for Democracy and Social Justice.** 3 credits.
Focuses on the research that supports teachers to create democratic classroom practices and to support PK-12 students in exercising civic rights. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Recommended Prerequisite:** EDUC 651 and EDUC 653.

**Registration Restrictions:**
Enrollment limited to students with a class of Graduate, Junior Plus or Senior Plus.

Enrollment is limited to students with a concentration in Transformative Teaching.

Students in a Non-Degree Undergraduate degree may not enroll.

Students in the GMU Korea campus may not enroll.

**Schedule Type:** Seminar

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 661: Teacher Empowerment and Policy.** 1.5 credit.
Provides advanced study on a selected topic or emerging issue in American or international education with particular attention to developing policy solutions. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Recommended Prerequisite:** Admission into the MEd Curriculum and Instruction concentration in Teacher Inquiry, Development and Empowerment for Social Justice program (TIDES) cohort. Completion of EDUC 655 and EDUC 657.

**Registration Restrictions:**
Enrollment limited to students with a class of Graduate, Junior Plus or Senior Plus.

Enrollment is limited to students with a concentration in Transformative Teaching.

Students in a Non-Degree Undergraduate degree may not enroll.

Students in the GMU Korea campus may not enroll.

**Schedule Type:** Seminar

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 665:** 1.5 credit.
Engages learners in data gathering exercises toward articulating a leadership agenda in the context of PK-12 educational environments. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Recommended Prerequisite:** Admission into the MEd Curriculum and Instruction concentration in Teacher Inquiry, Development and Empowerment for Social Justice program (TIDES) cohort. Completion of EDUC 655 and EDUC 657.

**Registration Restrictions:**
Enrollment limited to students with a class of Graduate, Junior Plus or Senior Plus.

Enrollment is limited to students with a concentration in Transformative Teaching.

Students in a Non-Degree Undergraduate degree may not enroll.

Students in the GMU Korea campus may not enroll.

**Schedule Type:** Seminar

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 667:** 3 credits.
Focuses on the research that supports teachers to create democratic classroom practices and to support PK-12 students in exercising civic rights. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Recommended Prerequisite:** EDUC 651 and EDUC 653.

**Registration Restrictions:**
Enrollment limited to students with a class of Graduate, Junior Plus or Senior Plus.

Enrollment is limited to students with a concentration in Transformative Teaching.

Students in a Non-Degree Undergraduate degree may not enroll.

Students in the GMU Korea campus may not enroll.

**Schedule Type:** Seminar

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)
Enrollment limited to students with a class of Graduate, Junior Plus or Senior Plus.

Enrollment is limited to students with a concentration in Transformative Teaching.

Enrollment is limited to Graduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Students in the GMU Korea campus may not enroll.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 663: Culturally Relevant Pedagogy. 3 credits.
Offers opportunity to view how language and culture shape realities, including perceptions of children as learners. Explores cultural constraints and transformative possibilities embedded within cultures. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: EDUC 659.

Registration Restrictions:
Enrollment limited to students with a class of Graduate, Junior Plus or Senior Plus.

Enrollment is limited to students with a concentration in Transformative Teaching.

Enrollment is limited to Graduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Students in the GMU Korea campus may not enroll.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 665: Teacher Inquiry in Practice I. 3 credits.
Builds further understanding of teacher research as teachers form and frame salient questions, examine the existing literature related to their questions, and take actions to improve teaching and learning. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: EDUC 659.

Registration Restrictions:
Enrollment limited to students with a class of Graduate, Junior Plus or Senior Plus.

Enrollment is limited to students with a concentration in Transformative Teaching.

Enrollment is limited to Graduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Students in the GMU Korea campus may not enroll.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 667: Teacher Inquiry in Practice II. 3 credits.
Builds on the teacher research project begun in Teacher Inquiry in Practice I as teachers continue to address their pedagogical questions, take actions to improve teaching and learning, gather, analyze and interpret multiple forms of data, and share their experience in communities of practice. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: EDUC 663 and EDUC 665.

Registration Restrictions:
Enrollment limited to students with a class of Graduate, Junior Plus or Senior Plus.

Enrollment is limited to students with a concentration in Transformative Teaching.

Enrollment is limited to Graduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Students in the GMU Korea campus may not enroll.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 669: Teaching and Learning in Practice. 3 credits.
Admission into the MEd Curriculum and Instruction concentration in Transformative Teaching program. Completion of the EDUC 663 and EDUC 665. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: EDUC 663 and EDUC 665.

Registration Restrictions:
Enrollment limited to students with a class of Graduate, Junior Plus or Senior Plus.

Enrollment is limited to students with a concentration in Transformative Teaching.

Enrollment is limited to Graduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Students in the GMU Korea campus may not enroll.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)
EDUC 672: Human Development and Learning: Secondary Education. 3 credits.
Explores developmental issues associated with middle and high school students, and theories that provide basis for understanding learning process. Addresses implications for designing instruction and curriculum. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit. Equivalent to SEED 675.

Registration Restrictions:
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.
Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture
Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 674: Assessing Learning and Teaching in the Secondary School Classroom. 3 credits.
Supports beginning teachers' development and design of assessment practices for promoting student learning. Focuses on individual differences and classroom, teacher, school, and cultural factors that impact assessment; different types and purposes of assessment; and relationship of assessment to national and state standards. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: EDUC 522 and advanced methods course.

Registration Restrictions:
Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.
Enrollment is limited to students with a major in Curriculum and Instruction or Secondary Education Licensure.
Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.
Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture
Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 800: Ways of Knowing. 3 credits.
Provides understanding of characteristic ways of knowing in various liberal arts disciplines while examining subject matter, scope, key concepts, principles, methods, and theories. Analyzes philosophical traditions underlying educational practice and research. Notes: Required course during first spring semester of study in the program. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: Admission to the PhD program.

Registration Restrictions:
Enrollment is limited to students with a major in Education.
Enrollment is limited to Graduate level students.
Schedule Type: Lecture

Grading:
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 801: Seminar for Teaching in Teacher Education. 1 credit.
Provides doctoral students an opportunity to develop their own expertise as teacher educators. Examines practical supports for engaging adult learners. Explores specific challenges, experiences, and emerging issues students confront as they facilitate their first courses within a higher education context. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: ECED 803 or EDUC 803. Special circumstances may be accommodated upon request.

Recommended Corequisite: Serving as a course instructor for an undergraduate or graduate level course for teacher candidates. Special circumstances may be accommodated upon request.

Registration Restrictions:
Enrollment limited to students with a class of Advanced to Candidacy or Graduate.

Enrollment is limited to Graduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Seminar

Grading:
This course is graded on the Satisfactory/No Credit scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 802: Leadership Seminar. 3 credits.
Intensive study of leadership, emphasizing decision and change processes, and assessment and development of leadership skills. Notes: Required course during first semester of study in the program. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Enrollment is limited to students with a major in Education.

Enrollment is limited to Graduate level students.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 803: Teacher Preparation and Professional Development. 3 credits.
Explores research and current recommended practices related to teacher preparation and professional development. Provides opportunity for practical application with preservice or inservice teachers. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit. Equivalent to ECED 803.

Recommended Prerequisite: Approval of instructor and acceptance to PhD program.

Registration Restrictions:
Enrollment is limited to Graduate level students.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 804: Seminar for Supervision in Teacher Education. 1 credit.
Provides doctoral candidates practical and pedagogical support for supervising teacher candidates in clinical settings. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: EDUC 854. Special circumstances may be accommodated upon request.

Recommended Corequisite: Supervision of teacher candidates. Special circumstances may be accommodated upon request.

Registration Restrictions:
Enrollment limited to students with a class of Advanced to Candidacy or Graduate.

Enrollment is limited to Graduate level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Seminar

Grading:
This course is graded on the Satisfactory/No Credit scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 815: Research Inquiries in International Education. 3 credits.
Focuses on the intersection of international education and research methodologies in educational settings. Students will delve into the construction, implementation, and impact of research in international settings or with an internationally-minded perspective. Through critical inquiry into practice, the course offers students the opportunity to develop more sophisticated understandings of the research process in international education settings. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: EDUC 880 or permission of instructor.

Registration Restrictions:
Enrollment is limited to Graduate level students.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 825: Gender, Education and Schooling. 3 credits.
Explores the theoretical and practical implications of gender in education and within the context of schools. Provides students with a critical exploration of how gender is constructed, conform, maintained and supported in education. Uses examples from around the world to look across formal, informal, and non-formal education during the lifespan of the individual to address historical and structural inequities that affect gender in the space of schools. Offered by School of Education (http://
catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Enrollment limited to students with a class of Advanced to Candidacy or Graduate.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 845: Multilingual Learners With Diverse Educational Needs. 3 credits.
Examines examine issues surrounding identification, assessment, and instruction of multilingual learners with diverse educational needs. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: Admission to the PhD Program in Education or permission of instructor.

Registration Restrictions:
Enrollment is limited to Graduate level students.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 850: The Study of Teaching. 3 credits.
Explores the history and development of the search for teaching effectiveness. The course will trace the various definitions of effectiveness and the methods created to assess effectiveness. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: EDRS 810.

Registration Restrictions:
Enrollment is limited to Graduate level students.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 851: Research on Teacher Education. 3 credits.
Explores the history and development of the search for effectiveness in the preparation of preservice teachers and the continuing professional development of practicing teachers. The students will examine the substance and gaps in the study of the education of educators. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: EDRS 810.

Registration Restrictions:
Enrollment is limited to Graduate level students.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 852: Technology and Teacher Development. 3 credits.
Investigates the latest research and issues related to technology integration in teacher education; includes research supporting the incorporation of technology in staff development for in-service K-12 educators, as well as preservice university coursework. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 853: World Perspectives of Teacher Education. 3 credits.
Focuses on the cross-cultural analysis of current U.S. and internationally based teacher preparation and continuing professional development pedagogical models, policy reforms, and their historical contexts. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: Admission to doctoral program.

Registration Restrictions:
Enrollment is limited to Graduate level students.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 854: Working in Schools: Spanning Boundaries/Expanding Roles. 3 credits.
Prepares future teacher educators and professional developers for their work in K-12 settings. Examines the principles of clinical field experiences, the foundations of school-university partnerships, and the roles/relationships of all stakeholders engaged in field-based teacher preparation and teacher professional development. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Enrollment limited to students in the E1-PHD-EDHD or E1-PHD-EDUC programs.

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may not enroll.

Schedule Type: Lecture

Grading:
**EDUC 855: Critical Perspectives in Education.** 3 credits.
Explores the theory and practice of critical perspectives in education. Examines how issues of power, culture, and consciousness shape education, education systems, and educational research. Connects students' lived experiences with assumptions that govern dominant discourses in and around education. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Registration Restrictions:**
Enrollment limited to students with a class of Advanced to Candidacy or Graduate.

**Enrollment is limited to Graduate level students.**

**Students in a Non-Degree Undergraduate degree may not enroll.**

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 860: STEM Education Research and Policy.** 3 credits.
Examines research on science, technology, engineering, and mathematics (STEM) education issues and education policy issues including the rationale for STEM education, STEM education policy, models of STEM schools in K-12 education, STEM education leadership, informal STEM education, STEM curriculum and instruction, and research in STEM education. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Recommended Prerequisite:** EDRS 810 (may also be taken concurrently).

**Schedule Type:** Seminar

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 865: Curriculum Theory and Practice.** 3 credits.
Examines theories of the design, deliberation, and analysis of curricula across subject matters and learning contexts. Surveys key concepts, principles, methods, and theories of curriculum thought in both U.S. and international contexts. Analyzes philosophical perspectives underlying curriculum theory and practice. Explores the consequences of curriculum decisions for educators and learners. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Recommended Prerequisite:** Admission to The PhD in Education program, or permission of instructor.

**Registration Restrictions:**
Enrollment limited to students with a class of Advanced to Candidacy or Graduate.

**Schedule Type:** Seminar

Examines public policy decision-making in education at local, state, and national levels, and its impact on education institutions, students, and public. Focuses on theories and methodological approaches, and resolution of competing policy arguments in political arena. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit. Equivalent to EDPO 870.

**Registration Restrictions:**
Enrollment is limited to students with a major in Education.

**Enrollment is limited to Graduate level students.**

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 871: Advanced Policy Issues in Education.** 3 credits.
In-depth analysis of selected education policy issues. Focuses on issue interactions and education-related policy actions by different levels of government. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit. Equivalent to EDPO 871.

**Recommended Prerequisite:** EDUC 870 or permission of instructor.

**Registration Restrictions:**
Enrollment is limited to Graduate level students.

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 872: Social Science Research and Education Policy.** 3 credits.
Focuses on research base used to support education policy actions. Focuses on analyzing strength of this research. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit. Equivalent to EDPO 872.

**Recommended Prerequisite:** EDRS 810, 811, and 812 or permission of instructor.

**Registration Restrictions:**
Enrollment is limited to Graduate level students.

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 873: Education Policy: Comparative and International Perspectives.** 3 credits.
Using interdisciplinary approach, addresses education policy issues that transcend national boundaries and have implications for educators in fostering social justice and global awareness. Offered by School of
Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Registration Restrictions:**
Enrollment is limited to students with a major in Education.

Enrollment is limited to Graduate level students.

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 874:** The Achievement Gap. 3 credits.
Focuses on achievement gap in schools. Students research and analyze gaps in student achievement related to race and ethnicity, limited English proficiency, family background, gender, poverty, and ableism, and practices designed to close the gap. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Registration Restrictions:**
Enrollment limited to students in a Doctor of Philosophy degree.

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 875:** Contemporary and Emerging Issues in Education Policy. 3 credits.
Focuses on identifying and analyzing factors that promote new initiatives in education policy agenda. Attention given to nontraditional sources of education policy initiatives. Notes: Must be admitted to PhD program. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Recommended Prerequisite:** EDUC 870 (concurrent enrollment is also permitted) and admission to the PhD program.

**Registration Restrictions:**
Enrollment is limited to Graduate level students.

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 876:** Teacher Development and Education Policy. 3 credits.
Focuses on the impact of policy actions at the local, state, and national levels on teacher preparation and continuing professional development. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Recommended Prerequisite:** EDUC 870 or permission of instructor.

**Registration Restrictions:**
Enrollment is limited to Graduate level students.

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 877:** Teacher Policy in Historic Perspective. 3 credits.
Examines the history of policies pertaining to public school teachers in the United States. Evaluate and engage current policy debates by putting the past and present into conversation. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Recommended Prerequisite:** Admission to The PhD in Education program, or permission of instructor.

**Registration Restrictions:**
Enrollment is limited to Graduate level students.

**Schedule Type:** Seminar

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 878:** Intercultural Competence: Theory and Research Application to International Education. 3 credits.
Explores and examines intercultural competence theory and research as a teaching and learning framework in international education. Emphasizes the comparison of alternative models of intercultural competence development, research paradigms using intercultural competence theory in international education, and empirical studies that examine and explore the use of intercultural competence theory in education. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Recommended Prerequisite:** EDUC 880.

**Registration Restrictions:**
Enrollment is limited to Graduate level students.

**Schedule Type:** Seminar

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**EDUC 879:** Language and Second Language Acquisition Research in International Education. 3 credits.
Examines the theoretical and historical role of language in international education, with special emphasis on the foundations and variables of second language acquisition. Focuses the role of language in cross-cultural and international contexts, the application of language acquisition theories and empirical studies globally. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

**Recommended Prerequisite:** EDUC 880.

**Registration Restrictions:**
Enrollment is limited to Graduate level students.

**Schedule Type:** Seminar

**Grading:**
EDUC 880: Introduction to International Education. 3 credits.
Using interdisciplinary approach, addresses education policy issues that transcend national boundaries and have implications for educators in fostering social justice and global awareness. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Enrollment limited to students in a Doctor of Philosophy degree.

Schedule Type: Lecture

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 881: Seminar in Bilingual Education: Policy. 3 credits.
Examines historical development of education for language minority students in United States, including federal and state legislation and court decisions. Explores policy issues regarding administrative program models, instructional approaches, curricular reform, and assessment policies for language minority students developed in response to legal mandates, legislative decisions, and school reform movement. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Enrollment limited to students with a major in Education.

Enrollment is limited to Graduate level students.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 882: Second Language Acquisition: Theory, Research, and Practice. 3 credits.
Examines the theoretical foundations of second language acquisition with focus on linguistic, anthropological, sociological, psychological, and educational research through theory and practice. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Registration Restrictions:
Enrollment limited to students with a major in Education.

Enrollment is limited to Graduate level students.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 883: Seminar in Sociocultural Theory. 3 credits.
Explores and analyzes the theoretical contributions of sociocultural theory. Focuses on the growing body of contemporary research on literacy, equity in education and emancipatory teaching for diverse students. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May be repeated within the degree for a maximum 6 credits.

Recommended Prerequisite: Admission to the PhD in Education program or permission of instructor.

Registration Restrictions:
Enrollment is limited to Graduate level students.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 885: History of Education in the United States. 3 credits.
Examines the history of education in the United States and explores the social, political, cultural, and economic forces that have shaped reform initiatives. Uses history to engage questions around citizenship, equality, and democracy. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit. Equivalent to EDPO 885.

Recommended Prerequisite: Admission to the PhD in Education program, or permission of instructor.

Registration Restrictions:
Enrollment is limited to Graduate level students.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 886: School Reform in the United States: Politics and Policies. 3 credits.
Explores a broad range of reform initiatives shaping public education and examines the ways politics infuses education policy. Investigates the disciplinary and methodological frameworks scholars have used to study school reform. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit. Equivalent to EDPO 886.

Recommended Prerequisite: Admission to the PhD in Education program, or permission of instructor.

Registration Restrictions:
Enrollment is limited to Graduate level students.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 887: Neighborhood, Community, Education Policy. 3 credits.
Explores the intersection of historical, social, political, and economic policies and conditions and communities in the US. Focuses on understanding trends in the formation of neighborhoods and the development of American cities, schools, and communities. Examines the politics and policies of selected neighborhoods and communities through developing community development profiles and proposals. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated within the degree for a maximum 6 credits.
Recommended Prerequisite: Admission to PhD in Education program or permission of the instructor.

Registration Restrictions: Enrollment is limited to students with a major in Education.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 896: Special Topics in Education. 3 credits.
Explores selected topics in education across all doctoral specializations. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May be repeated within the term for a maximum 6 credits.

Specialized Designation: Topic Varies

Registration Restrictions: Enrollment is limited to Graduate level students.

Schedule Type: Lec/Sem

Gradings:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 897: Independent Study for the Doctor of Philosophy in Education. 1-6 credits.
Structured learning experience to extend and develop skills and knowledge relative to field of professional expertise. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May be repeated within the term.

Specialized Designation: Topic Varies

Recommended Prerequisite: Admission to the PhD program and prior approval of advisor and PhD director.

EDUC 890: Doctoral Internship in Education. 1-6 credits.
Interns work with appropriate staff member in cooperating school, school system, or other educational institution, agency, or setting. Notes: Requires 100 hours of on-site internship completed over at least a five-week period. Up to 6 credits of EDUC 890 may be applied toward PhD degree requirements. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: Admission to the PhD program and prior approval of the advisor and PhD director.

Registration Restrictions: Enrollment is limited to students with a major in Education.

Schedule Type: Internship

Grading:
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 892: Social Justice and Equity in International Education. 3 credits.
Examines ideological, cultural, and systemic structural inequities in various educational settings at national and international levels. Focuses on educational practices that promote equity and social change throughout the world. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: EDUC 880.

EDUC 894: Seminar in Multicultural Education. 3 credits.
Examines knowledge base, policy issues, and curricular and instructional features of multicultural education in United States and other countries. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: Admission to the Ph.D. in Education program or permission of instructor.

Registration Restrictions: Enrollment is limited to Graduate level students.

Schedule Type: Seminar

Grading:
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 893: Seminar in Educational Anthropology. 3 credits.
Examines theories and research from educational anthropology and educational sociology to clarify and address contemporary educational issues and concerns. Focuses on U.S. public schools, with comparative materials from other educational settings and societies. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.
Registration Restrictions:
Enrollment is limited to students with a major in Education.
Enrollment is limited to Graduate level students.

Schedule Type: Independent Study

Grading:
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

900 Level Courses

EDUC 994: Advanced Internship in Education. 3 credits.
Internship in setting related to student’s major area of study. Requires minimum of 100 hours completed over at least a five-week period. Each intern works with appropriate staff member in cooperating school, school system, or other educational institution or agency. Notes: Internship must be in setting that differs from regular employment. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May not be repeated for credit.

Recommended Prerequisite: Admission to the PhD program and prior approval of advisor and PhD director.

Registration Restrictions:
Enrollment is limited to students with a major in Education.
Enrollment limited to students in a Doctor of Philosophy degree.

Schedule Type: Internship

Grading:
This course is graded on the Graduate Special scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 998: Doctoral Dissertation Proposal. 1-6 credits.
Work on research proposal that forms basis for doctoral dissertation, under guidance of dissertation chair and doctoral committee. Notes: May be repeated, but no more than 6 credits of EDUC 998 may satisfy doctoral degree requirements. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May be repeated within the degree for a maximum 12 credits.

Recommended Prerequisite: Admission to candidacy in the PhD program, successful completion of the doctoral qualifying exam, and EDRS 810, 811, and 812 or their equivalents.

Registration Restrictions:
Enrollment is limited to students with a major in Education.
Enrollment limited to students in a Doctor of Philosophy degree.

Schedule Type: Dissertation

Grading:
This course is graded on the Satisfactory/No Credit scale. (http://catalog.gmu.edu/policies/academic/grading/)

EDUC 999: Doctoral Dissertation Research. 1-9 credits.
Provides continued faculty assistance on individual basis to complete dissertation planned in EDUC 998 and initiate new projects. Notes: Requires successful completion of EDUC 998 and faculty approval of proposal. Offered by School of Education (http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/). May be repeated within the degree.

Recommended Prerequisite: EDUC 998 and faculty approval of proposal.

Registration Restrictions:
Enrollment limited to students with a class of Advanced to Candidacy.
Enrollment is limited to students with a major in Education.
Enrollment limited to students in a Doctor of Philosophy degree.

Schedule Type: Dissertation

Grading:
This course is graded on the Satisfactory/No Credit scale. (http://catalog.gmu.edu/policies/academic/grading/)