

EDUCATION INSTRUCTIONAL TECHNOLOGY (EDIT)

400 Level Courses

EDIT 401: *Introduction to Learning Technologies*. 3 credits.

Provides an overview of the field of learning technologies, including its history, theoretical foundations, design processes, and technologies. Illustrates how learning technologies can be applied in a variety of teaching and training contexts including e-learning, educational software, instructional design, corporate training, and curriculum development. 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/>)

EDIT 426: *Web Accessibility and Design*. 3 credits.

Provides instruction for accessible web design using HTML and existing authoring tools. Section 508 web accessibility standards and assistive technologies to access the computer will be explored. Notes: Class may be delivered via distance education. 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/>)

500 Level Courses

EDIT 504: *Introduction to Educational Technology*. 3 credits.

Examines uses of and issues in educational technology. Explores curriculum integration of technology, and focuses on learning and using commercially available applications software. Notes: Field experience in public schools will be required during course. 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/>)

EDIT 526: *Web Accessibility and Design*. 1-3 credits.

Develops understanding of principles of universal web design. Students apply this understanding by designing and developing accessible web site using web authoring tools. Offered by School of Education (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/>). May not be repeated for credit.

Registration Restrictions:

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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/>)

EDIT 530: *Scripting and Programming*. 2 credits.

Enables development of computer-based educational materials using widely known educational scripting language. Students explore basic authoring capabilities, and learn to apply those capabilities by designing and producing materials using commands, procedures, and functions of scripting language. 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 10 credits.

Specialized Designation: Topic Varies

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/>)

EDIT 571: *Visual Design and Applications*. 1-3 credits.

Provides basic knowledge of the range of capabilities of available graphic and visual design applications. Students learn to cultivate effective visual design practices for creating instructional products. 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

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/>)

EDIT 573: Project Management. 1-3 credits.

Explores project management principles and applications used to manage, plan, and track large-scale, complex instructional design projects. 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

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/>)

EDIT 574: Social Media and Digital Collaboration Applications. 1-3 credits. Provides basic knowledge of the range of capabilities of available social networking, teleconferencing, and collaboration applications. Students learn to integrate the latest information and communication technologies into the creation of instructional products. 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 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/>)

EDIT 575: e-Learning Design Applications. 1-3 credits.

Provides basic knowledge of available applications for creating, delivering, managing and tracking e-learning experiences. Students learn to create instructional products using the latest e-learning design applications. Notes: Content customized to particular software tool presented. Offered by School of Education (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/>).

colleges-schools/education-human-development/school-education/). May be repeated within the term.

Specialized Designation: Topic Varies

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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/>)

EDIT 576: Mobile Learning and Applications. 1-3 credits.

Explores current best practices and techniques required to deliver effective learning content through mobile devices. Students learn pedagogical approaches to mobile learning as well as investigate various mobile platforms and applications. 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 3 credits.

Specialized Designation: Topic Varies

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/>)

EDIT 590: Educational Research in Technology. 3 credits.

Focuses on developing skills, insights, and understanding basics to performing research in the field of Instructional Design and Technology. Develops expertise in action research methodology, design, and implementation. Offered by School of Education (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/>). May not be repeated for credit.

Registration Restrictions:

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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/>)

600 Level Courses

EDIT 601: *Exploring Trends and Professional Identity in the Learning Design and Technology Field.* 1 credit.

Enables students to connect formal, informal, and non-formal learning experiences to gain a more holistic understanding of their knowledge, skills, and capabilities in the field of Learning Design and Technology (LDT) and how to leverage this knowledge professionally through an individualized goals statement and action plan, and a personal identity package. Offered by School of Education (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/>). May not be repeated for credit.

Recommended Prerequisite: Minimum of 12 credits and a maximum of 15 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/>)

EDIT 611: *Innovations in e-Learning.* 3 credits.

Explores leading-edge learning technologies and their integration into the e-learning design process. Hands-on activities focus on technology planning, selection, implementation, and evaluation utilizing instructional design best practices. 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/>)

700 Level Courses

EDIT 701: *Exploring Career Opportunities in the Learning Design and Technology (LDT) Field.* 1 credit.

Enables students to reflect upon personal growth and development as an instructional designer, correlate personal skills to current trends and career opportunities in the field, and develop a personal identity package for marketing their professional skills. Offered by School of Education (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/>). May not be repeated for credit.

Recommended Prerequisite: EDIT 601

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/>)

EDIT 704: *Instructional Technology Foundations and Theories of Learning.* 3 credits.

Reviews practical and pedagogical issues related to design and development of technological instruction. Emphasizes investigating instructional design as a field and community of practice, and reviewing core learning theory constructs applicable to design of instructional technology. 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 3 credits.

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/>)

EDIT 705: *Instructional Design.* 3 credits.

Helps students analyze, apply, and evaluate principles of instructional design to develop education and training materials spanning a wide range of knowledge domains and instructional technologies. Focuses on variety of instructional design models, with emphasis on recent contributions from cognitive science and related fields. Offered by School of Education (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/>). May not be repeated for credit.

Recommended Prerequisite: Teaching or Training Experience or equivalent.

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/>)

EDIT 706: *Business of Learning Design and Technologies*. 3 credits.
Explores the business issues underlying the selection, implementation and evaluation of technology-based learning interventions. Focuses on developing the skills necessary to improve performance and achieve measurable, positive change that supports an organization's strategic goals. Offered by School of Education (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/>). May not be repeated for credit.

Recommended Prerequisite: EDIT 705 or instructor permission.

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/>)

EDIT 710: *Online Teaching Essentials*. 1 credit.
Explores the essential concepts and skills to effectively teach online courses. Introduces the topics of designing and managing online courses, assessing online students' knowledge and skills, facilitating online student collaboration and communication, and establishing a supportive online learning community. 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/>)

EDIT 730: *Advanced Instructional Design*. 3 credits.
Provides students with the knowledge and skills for designing highly contextualized and engaging problem-solving learning environment using a grounded, theory-based design approach. Emphasizes the design of technology supported learning environments using a variety of pedagogical models. 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: EDIT 705^{B-}, 705^{XS}, EDCI 705^{B-} or 705^{XS}.

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

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/>)

EDIT 732: *Analyzing the User Experience in Learning Design and Technology*. 3 credits.

Enables usage research exemplified in user experience design lifecycle through data collection, analysis and modeling resulting in user stories, design requirements for a learning technology product design concept. 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/>)

EDIT 751: *Perspectives on Learning Analytics*. 3 credits.
Explores perspectives on learning analytics and the shifting landscape related to the use of data, current trends and emerging technologies associated with the field of learning design and technology. Introduces the connections among learning and performance data, tools and techniques, technologies as well as emerging practices and methodologies in learning analytics. 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/>)

EDIT 752: *Designing and Evaluating the User Experience in Learning Design and Technology*. 3 credits.
Enables the design and evaluation of learning technology solutions or products as exemplified in the user experience design lifecycle through generative design, prototyping and evaluation culminating in reporting of user experience research results 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 3 credits.

Recommended Corequisite: EDIT 732

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/>)

EDIT 760: *Blended and Online Teachers and Learners*. 1 credit.
Examines the attributes of teachers and K-12 learners with emphasis on attitudes, behaviors, and adaptations required by blended and online teachers and learners. 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/>)

EDIT 761: *Models of Blended and Online Learning*. 2 credits.
Provides opportunities for learners to identify, explore, and evaluate a range of educational models for K-12 blended and online learning. These include the flipped classroom, mentor-mentee dyad, group collaborative, synchronous, asynchronous, parent directed e-learning, mobile learning, and web-delivered 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 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/>)

EDIT 762: *Quality K-12 Blended and Online Learning*. 1 credit.
Examines and evaluates quality indicators for the design of blended and online learning pointing to the six major areas for consideration: instructor-learner, learner-learner, learner-content, learner-interface, learner-instructional strategies, and social presence. 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/>)

EDIT 763: *Tools for K-12 Blended and Online Learning*. 2 credits.
Examines tools that structure and support blended and online learning with particular emphasis on the unique affordances of each tool including tools for producing, delivering, and supporting blended and online learning. Offered by School of Education (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/>). May not be repeated for credit.

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Registration Restrictions:
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Schedule Type: Lecture

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

EDIT 764: *Blended and Online Communication*. 3 credits.
Examines strategies to assess, respond to, and target blended and online communication. Develops expertise in questioning and listening, supporting self-regulation, and clarifying conceptual understanding. 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/>)

EDIT 765: *Facilitating K-12 Blended and Online Learning*. 2 credits.
Develops expertise in facilitating and moderating blended and online learning to include synchronous and asynchronous environments, community building strategies, questioning strategies, prompting reflection, and facilitating conceptual understanding. 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.

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Schedule Type: Lecture

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

EDIT 766: *Understanding Blended and Online Presence*. 2 credits.
Examines strategies to create teacher presence, to establish and express self, to promote learner-learner connections, and to compensate for situations where teacher-learner and learner-learner are separated. 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.

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Schedule Type: Lecture

Grading:

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

EDIT 767: *Designing K-12 Blended and Online Learning*. 3 credits. Develops frameworks for designing and structuring blended and online learning opportunities and emphasizes course content and learning outcomes, selection of appropriate online models, and organization of online lessons and courses, online learning tools, and assessment and evaluation strategies. 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 MED in Curriculum and Instruction Concentration in Blended and Online Learning in Schools.

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/>)

EDIT 768: *K-12 Online Design I*. 1 credit. Develops frameworks for designing and structuring online learning opportunities and emphasizes course content and learning outcomes, selection of appropriate online models, and organization of online lessons and courses online learning tools, and assessment and evaluation strategies. 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 MED in Curriculum and Instruction Concentration in Blended and Online Learning in Schools.

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/>)

EDIT 769: *K-12 Online Design II*. 1 credit. Focuses on the creation of online courses appropriate for K-12 learners and culminates in comprehensive design documents that detail goals, assessments, learning tools, and detailed scripts or documents ready for the production phase. 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 MED in Curriculum and Instruction Concentration in Blended and Online Learning in Schools.

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/>)

EDIT 772: *Virtual Worlds, Augmented Reality, and Gaming Applications*. 1-3 credits.

Provides basic knowledge of available applications and platforms for creating contextually-based learning environments such as immersive virtual worlds, simulated worlds, alternate reality games, and massive multiplayer online role playing games for e-learning. 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

Registration Restrictions:

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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/>)

EDIT 780: *Principles of School-Based Design*. 3 credits. Develops and applies a comprehensive set of digital design strategies appropriate for creating engaging learning opportunities for students in PreK-12 environments. Emphasizes school-based design principles, design processes, and design patterns at the intersection of technology, 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 Corequisite: EDIT 781.

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/>)

EDIT 781: *Designing for Information Using*. 3 credits. Explores ways in which PreK-12 teachers can design digital environments that connect learners' ability to search, sort, create, communicate, and synthesize information and information resources with learning activities. Emphasizes teachers' ability to design for digital citizenship and information use. Offered by School of Education (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/>). May not be repeated for credit.

Recommended Corequisite: EDIT 780.

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/>)

EDIT 782: *Designing for Literacy*. 3 credits.

Explores 21st century definitions of literacy related to multiple symbolic environments (e.g. visual, numeric, alphabetic). Examines the practice of design that integrates technology to promote literacy competence across media and across PreK-12 abilities and interests. Offered by School of Education (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/>). May not be repeated for credit.

Recommended Prerequisite: EDIT 780 and EDIT 781.

Recommended Corequisite: EDIT 783.

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/>)

EDIT 783: *Designing for Problem Solving*. 3 credits.

Examines problem solving as an educational goal, as a cognitive process, and as a series of strategies and habits of mind. Emphasizes and provides practice in the design of digital problem solving environments where technology affords opportunities at the intersection of content learning and problems solving. Offered by School of Education (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/>). May not be repeated for credit.

Recommended Prerequisite: EDIT 780 and EDIT 781.

Recommended Corequisite: EDIT 782.

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/>)

EDIT 784: *Designing for Community Participation*. 3 credits.

Explores the impact of social media, globalization, collaboration, and diversity as they influence, enable, and challenge learners' ability to participate in a variety of community settings. Emphasizes the practice of design strategies to prepare PreK-12 learners to use technology for learning and participating in varies and diverse communities. Offered by School of Education (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/>). May not be repeated for credit.

Recommended Prerequisite: EDIT 782 and EDIT 783.

Recommended Corequisite: EDIT 785.

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/>)

EDIT 785: *Designing School-Based Digital Learning*. 3 credits.

Develops frameworks for designing and structuring school-based digital learning. Emphasizes the interaction of design, technology, and content learning to influence teachers' practice in service of PreK-12 learners' abilities to problem solve, use information, participate productively in communities, become knowledgeable, and effectively communicate. Offered by School of Education (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/>). May not be repeated for credit.

Recommended Prerequisite: EDIT 782 and EDIT 783.

Recommended Corequisite: EDIT 784.

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/>)

EDIT 787: *Teacher Leadership and Advocacy for Digital Learning*. 3 credits.

Enables PreK-12 teacher leaders to support colleagues in the design of classroom and school-based digital learning. Explores advocacy as a strategy to engage colleagues and communities in the design of school-based initiatives related to teaching, learning, and technology. Offered by School of Education (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/>). May not be repeated for credit.

Recommended Prerequisite: EDIT 782 and EDIT 783

Schedule Type: Lecture

Grading:

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

EDIT 790: *Practicum in Instructional Technology*. 1-6 credits.

Provides supervised practice in applying knowledge and skills of student's chosen track through placement in appropriate work setting. 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 is limited to Graduate level students.

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

Schedule Type: Independent Study

Grading:

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

EDIT 791: *Project Development Practicum I*. 1-6 credits.

Engages students in the application of design and production process for the solution of learning challenges with particular emphasis on the design and development phase of the design process. 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: EDIT 768.

Registration Restrictions:

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/>)

EDIT 792: *Project Development Practicum II*. 1-6 credits.

Facilitates the application of design and production processes to the solution of learning challenges with particular emphasis on the implementation and evaluation phase of the design process. 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: EDIT 769.

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/>)

EDIT 797: *Advanced Topics in Education*. 1-6 credits.

Advanced study of selected topics in education for students preparing for doctoral studies or who have been admitted to the PhD program in education. Notes: May be repeated for credit with CEHD approval. Offered by School of Education (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-education/>). May be repeated within the degree.

Specialized Designation: Topic Varies

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/>)

800 Level Courses

EDIT 801: *Nature and Process of Design*. 3 credits.

Examines multi- and cross-disciplinary perspectives on the nature and process of designing and developing learning technologies. 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.

Enrollment limited to students in a Doctor of Philosophy degree.

Schedule Type: Seminar

Grading:

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

EDIT 802: *Cognition and Technology: A Multidisciplinary Approach*. 3 credits.

Examines learning interactions between cognition and technology using multiple disciplinary perspectives including, cognitive science, psychology, neuroscience, education, design theory, instructional design, technology design, anthropology, sociology, information science, philosophy, semiotics, and linguistics. 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.

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/>)

EDIT 803: *Design-Based Research*. 3 credits.

Provides an introduction to systematic cycles of design-based research in education. Explores cycles of research within design, development and implementation of educational and training interventions applicable to all content domains. 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: EDRS 810^B or 810^{XS}.

^B Requires minimum grade of B-

^{XS} Requires minimum grade of XS.

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/>)

EDIT 891: *Design Research Independent Study*. 1-9 credits.

Applies multiple design research cycles to an identified research problem to systematically test and improve technology-based product interventions or other curriculum/training strategies or materials in order to develop knowledge related to teaching, learning and/or training in context. 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 9 credits.

Recommended Prerequisite: EDRS 811, EDRS 812, and EDIT 803 or equivalent.

Registration Restrictions:

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/>)

EDIT 895: *Emerging Trends in Learning Technologies*. 3 credits.

Covers selected emerging trends in learning technologies. Examines ways learning technologies provide infrastructure for creating, managing, and evaluating innovative types of teaching-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: Admission to the Ph.D. program or permission of instructor.

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/>)