



**College of Education and Human Development
Division of Special Education and disAbility Research**

Spring 2022

EDSE 351 001: Technology Integration for Specialized Instruction
CRN: 22831, 3 – Credits

Instructor: Dr. Anya Evmenova	Meeting Dates: 1/24/22 – 5/18/22
Phone: 703-993-5256	Meeting Day(s): Tuesday + asynchronous online activities
E-Mail: aevmenov@gmu.edu	Meeting Time(s): 4:30 pm – 5:45 pm
Office Hours: Tuesdays 3:30 – 4:30 or by appointment	Meeting Location: Fairfax; T L018
Office Location: Finley 201A	Other Phone: see Blackboard

Note: This syllabus may change according to class needs. Teacher Candidates/Students will be advised of any changes immediately through George Mason e-mail and/or through Blackboard.

Prerequisite(s):

None

Co-requisite(s):

None

Course Description

Reviews applications of recent educational and assistive technology for instruction. Evaluates strategies for effective integration of mainstreamed instructional technology to promote student learning, successful implementation of individualized assistive technology to access general education curriculum, and delivery of accessible online and blended instruction to all learners through technology-based innovations and Universal Design for Learning.

Course Overview

EDSE 351 reviews applications of recent educational and assistive technology for instruction. Students will learn about the strategies for effective integration of mainstreamed instructional technology to promote student learning, successful implementation of individualized assistive technology to access general education curriculum, and delivery of accessible online and blended

instruction to all learners through technology-based innovations and Universal Design for Learning.

Advising Contact Information

Please make sure that you are being advised on a regular basis as to your status and progress in your program. Students in Special Education and Assistive Technology programs can contact the Special Education Advising Office at 703-993-3670 or speced@gmu.edu for assistance. All other students should refer to their assigned program advisor or the Mason Care Network (703-993-2470).

Advising Tip

Are you ready to apply for graduation? Students completing their program can apply for graduation on Patriotweb. Visit <http://registrar.gmu.edu/students/graduation/> for more information.

Course Delivery Method

This course will be a hybrid with face-to-face meetings and asynchronous online modules. Learning activities include the following:

1. Class lecture and assigned readings
2. Discussion activities and assignments
3. Technology application activities and assignments
4. Individual and/or small group activities
5. Video and other media supports
6. Class presentations
7. Electronic supplements and activities via Blackboard

Learner Outcomes

Upon completion of this course, students will be able to:

1. Recognize the importance of digital literacy as a 21st Century skill.
2. Demonstrate an understanding of security, privacy, and ethical issues in using various technology.
3. Explain the differences between instructional and assistive technology as alternative ways to teach content material.
4. Evaluate existing frameworks and strategies that support the effective integration of the instructional/educational technology into content delivery to promote student learning.
5. Evaluate ways to effectively use instructional/educational technology for assessment and data-driven decision-making to promote student learning.
6. Define specific assistive technology categories for students with special needs to access the general education curriculum.
7. Demonstrate an understanding of online learning and online instructional strategies.
8. Promote the universally designed and accessible instruction in blended and online instruction.
9. Recognize uses of technology in postsecondary settings to promote education, employment, and independent living.
10. Design a plan for integrating instructional, assistive, and/or online technology in various

activities to support the inclusion of students with disabilities into regular education programs based on their needs.

Professional Standards

(Council for Exceptional Children [CEC] and the Interstate Teacher Assessment and Support Consortium [InTASC]). Upon completion of this course, students will have met the following professional standards: CEC Standard 1: Learner Development and Individual Learning Differences (InTASC 1,2); CEC Standard 3: Curricular Content Knowledge (InTASC 4,5); CEC Standard 5: Instructional Planning and Strategies (InTASC 7,8).

Required Texts

Roblyer, M. D., & Hughes, J. E. (2018). *Integrating educational technology into teaching* (8th Ed.). Pearson

Recommended Texts

American Psychological Association. (2020). *Publication manual of the American Psychological Association* (7th ed.). <https://doi.org/10.1037/0000165-000>

Additional Readings

Additional readings will be provided by the instructor throughout the semester.

Course Performance Evaluation

Students are expected to submit all assignments on time in the manner outlined by the instructor (e.g., Blackboard, VIA, hard copy).

VIA Performance-Based Assessment Submission Requirement

It is critical for the special education program to collect data on how our students are meeting accreditation standards. Every teacher candidate/student registered for an EDSE course with a required Performance-based Assessment (PBA) is required to upload the PBA to VIA (regardless of whether a course is an elective, a one-time course or part of an undergraduate minor). A PBA is a specific assignment, presentation, or project that best demonstrates one or more CEC, InTASC or other standard connected to the course. A PBA is evaluated in two ways. The first is for a grade, based on the instructor's grading rubric. The second is for program accreditation purposes. Your instructor will provide directions as to how to upload the PBA to VIA.

For EDSE 351, the required PBA is Technology Implementation Project. Please check to verify your ability to upload items to VIA before the PBA due date.

Assignments and/or Examinations

Performance-based Assessment: Technology Implementation Project (20 points) (VIA submission required)

As a culminating activity (and the designated performance-based assessment), this project offers an opportunity for students to draw upon the resources encountered in this course and design a comprehensive plan for implementation and evaluation of the effectiveness of the technology-

based innovations that meet specific learning goals and expectations, students' specific learning needs, and characteristics of the environment. Students will be able to choose to focus their implementation plan on the instructional technology, assistive technology, online instructional strategies, or UDL principles. The plan may include technology used for classroom management, content delivery, and/or assessment practices. Reflection on how the proposed technology made the content more accessible to students with various abilities and needs will be included.

A more detailed assignment description and grading rubric will be posted on Blackboard and discussed in class.

**College Wide Common Assessment
(VIA submission required)
N/A**

Other Assignments

Module Online Activities (12 x 5 points each = 60 points)

Throughout the semester, students will engage in online asynchronous activities. These include (1) completing readings; (2) exploring of websites and digital resources; (3) watching assigned videos; (4) creating activities; and (5) participating in discussions. The weekly activities will provide opportunities to explore the module content in-depth and practice to apply the new knowledge. Detailed descriptions and step-by-step instructions for each module activities will be provided by the instructor and posted in the corresponding learning module on Blackboard. In addition, students will be asked to participate in group discussions. To earn full credit, you must submit your postings by the due date and time (4:30 pm of the due date), and no late submissions will be accepted. Your response should address the discussion board topic AND include a thoughtful reaction to at least 2 of your classmates' postings. Grading rubrics will be posted on Blackboard and discussed in class.

Hands-on Technology Exploration Activity (10 x 1 points each = 10 points)

Throughout the semester, there will be five Technology Exploration Activities. Students will be required to attend the face-to-face meeting in order to review and analyze the various technology tools as well as to apply them to various learning environments. Detailed descriptions and step-by-step directions for each technology exploration will be discussed in class.

Ethical Technology Use Reflection (5 points)

Students will be asked to reflect on the legal and ethical issues in using technology in the learning environments. The topics of security and privacy will need to be specifically addressed. Students will use course materials, their prior experiences, as well as will be expected to research the topic further in order to prepare a thoughtful and meaningful reflection.

Technology Implementation Project Presentation (5 points)

Students will present an overview of their Technology Implementation Project. Presentations will clearly describe the target population, setting, and technology-based innovations that will be

used to address a specific goal. Students will be expected to answer questions from the audience.

Assignment Summary

Course grades are calculated by summing the points earned on assignments and dividing by the total possible points. Grades are designed to indicate your success in completing assignments, not the level of effort you put into them.

Module Online Activities (12 x 5 points each)	60 points
Hands-on Technology Exploration Activities (10 x 1 points each)	10 points
Ethical Technology Use Reflection	5 points
Technology Implementation Project	20 points
Technology Implementation Project Presentation	5 points
Total Points	100 points

Course Policies and Expectations

Attendance/Participation

This is a hybrid class that will include face-to-face classes and online asynchronous activities.

- During face-to-face classes, students are expected to (a) attend all classes during the course, (b) arrive on time, (c) remain in class for the duration of each session, (d) actively participate and demonstrate professional behavior in the classroom, and (e) complete all assignments with professional quality and on time. Class attendance and professional participation at all sessions is very important because many of the activities in class are planned in such a way that they cannot necessarily be recreated outside of the class session. Students who are absent are held responsible for the material covered. It is recommended that you notify the instructor about absences in advance or within 24 hours after the absence. **Be aware that points earned for participation in class activities (e.g., hands-on technology explorations) during a time of absence cannot be made up.**
- Online asynchronous activities will include (1) textbook and additional readings, (2) website/digital resources explorations, (3) videos, (4) activities, and (5) discussions. The online modules will start on **Wednesday** morning and finish by the face-to-face meeting on **Tuesday**. All assigned readings and activities should be completed prior to the face-to-face class at 4:30pm on Tuesday. Students must actively engage with the course Blackboard site at least **2 times per week** in order to view all course materials, complete all activities, and participate in discussions.

Late Work

To successfully complete this course, students need to adhere to all due dates for readings and assignments. All assignments should be submitted on or before the assigned due date. To be considered on time, assignments must be submitted by the start of class on the due date, unless otherwise noted by the instructor. On all assignments, full credit is available for those submitted on time. For every 24-hour period that an assignment is late, a 5%-point deduction will occur. After one week from the due date (or until the last class session per the syllabus, whichever

comes first), assignments will not be accepted. Please contact the instructor in advance if there is a problem with submitting your work on time.

Grading

A	95-100%
A-	90-94%
B+	87-89%
B	83-86%
B-	80-82%
C+	77-79%
C	73-76%
C-	70-72%
D	60-69%
F	<60%

***Note:** The George Mason University Honor Code will be strictly enforced. See [Academic Integrity Site](https://oai.gmu.edu/) (<https://oai.gmu.edu/>) and [Honor Code and System](https://catalog.gmu.edu/policies/honor-code-system/) (<https://catalog.gmu.edu/policies/honor-code-system/>). Students are responsible for reading and understanding the Code. “To promote a stronger sense of mutual responsibility, respect, trust, and fairness among all members of the George Mason University community and with the desire for greater academic and personal achievement, we, the student members of the university community, have set forth this honor code: Student members of the George Mason University community pledge not to cheat, plagiarize, steal, or lie in matters related to academic work.” Work submitted must be your own new, original work for this course or with proper citations.

Professional Dispositions

Students are expected to exhibit professional behaviors and dispositions at all times. See [Policies and Procedures](https://cehd.gmu.edu/students/polices-procedures/) (<https://cehd.gmu.edu/students/polices-procedures/>). Students are expected to exhibit professional behaviors and dispositions at all times. Professional dispositions are an essential function of a special educator’s job, indicating that these dispositions are critical to develop and assess in special education licensure programs. In the College of Education and Human Development, dispositions are formally and separately evaluated in at least three points in each student’s program – a self-evaluation at the start of their program, a self-evaluation at the mid-point of their program, and a university supervisor’s evaluation during internship. In special education graduate licensure programs, the initial self-evaluation is completed in designated courses (EDSE 241, EDSE 361, EDSE 311), the mid-point self-evaluation is completed in designated courses (EDSE 445, EDSE 465, and EDSE 419), and the internship evaluation is completed by instructors in EDSE 482, EDSE 483, and EDSE 484. In addition to these three designated evaluation times, instructors may complete instructor-rated disposition assessments other times throughout the program. When dispositions are assessed, it is important that for areas where a positive disposition is rated as “not proficient,” the student takes steps to grow as an educator. See <https://cehd.gmu.edu/epo/candidate-dispositions>.

Class Schedule

*Note: Faculty reserves the right to alter the schedule as necessary, with notification to students.

Module	Topics	Readings Due	Assignments Due
1 1/25	<ul style="list-style-type: none"> Course overview & syllabus review Introduction to digital literacy and diverse learners 		Ensure successful access for Blackboard for this course
2 1/26-2/1	<ul style="list-style-type: none"> Instructional and assistive technology: definitions, applications, legal and ethical issues 	<ul style="list-style-type: none"> Roblyer & Hughes Chapter 1 Additional readings on Blackboard 	<ul style="list-style-type: none"> Module 2 online activities due Hands-on exploration #1
3 2/2-2/8	<ul style="list-style-type: none"> Universal Design for Learning 	<ul style="list-style-type: none"> Readings on Blackboard 	<ul style="list-style-type: none"> Module 3 online activities due Hands-on exploration #2
4 2/9-2/15	<ul style="list-style-type: none"> Curriculum accommodations and assistive technology to provide access to general and adapted curriculum (sensory & physical) 	<ul style="list-style-type: none"> Roblyer & Hughes Chapter 9 Additional readings on Blackboard 	<ul style="list-style-type: none"> Module 4 online activities due Hands-on exploration #3
5 2/16-2/22	<ul style="list-style-type: none"> Curriculum accommodations and assistive technology to provide access to general and adapted curriculum (cognitive and communication) 	<ul style="list-style-type: none"> Roblyer & Hughes Chapter 5 Additional readings on Blackboard 	<ul style="list-style-type: none"> Module 5 online activities due Hands-on exploration #4
6 2/23-3/1	<ul style="list-style-type: none"> Instructional/educational technology for content delivery in language arts and social studies 	<ul style="list-style-type: none"> Roblyer & Hughes Chapters 10 and 13 	<ul style="list-style-type: none"> Module 6 online activities due Hands-on exploration #5
7 3/2-3/8	<ul style="list-style-type: none"> Instructional/educational technology for content delivery in math and science 	<ul style="list-style-type: none"> Roblyer & Hughes Chapter 12 Additional readings on Blackboard 	<ul style="list-style-type: none"> Module 7 online activities due Hands-on exploration #6
8 3/9-3/22	<ul style="list-style-type: none"> Instructional/educational technology for assessment and data-driven decision making 	<ul style="list-style-type: none"> Roblyer & Hughes Chapter 4 Additional readings on Blackboard 	<ul style="list-style-type: none"> Module 8 online activities due Hands-on exploration #7
Spring Break March 14 – March 20			
9 3/23-3/29	<ul style="list-style-type: none"> Online learning and online instructional strategies 	<ul style="list-style-type: none"> Roblyer & Hughes Chapters 7 and 8 	<ul style="list-style-type: none"> Module 9 online activities due Hands-on exploration #8
10 3/30-4/5	<ul style="list-style-type: none"> Designing technology-based lessons across academic domains 	<ul style="list-style-type: none"> Roblyer & Hughes Chapter 2 Additional readings on Blackboard 	<ul style="list-style-type: none"> Module 10 online activities due (<i>Tech implementation project outline</i>)

Module	Topics	Readings Due	Assignments Due
11 4/6-4/12	<ul style="list-style-type: none"> Technology for postsecondary settings: education, employment, independent living 	<ul style="list-style-type: none"> Readings on Blackboard 	<ul style="list-style-type: none"> Module 11 online activities due (<i>Tech implementation project: Parts 1 & 2 draft</i>) Hands-on exploration #9
12 4/13-4/19	<ul style="list-style-type: none"> Technology security, privacy, and ethical issues 	<ul style="list-style-type: none"> Roblyer & Hughes Chapter 6 Additional readings on Blackboard 	<ul style="list-style-type: none"> Ethical Technology Use Reflection due Hands-on exploration #10
13 4/20-4/26	<ul style="list-style-type: none"> Current trends in instructional and assistive technology 	<ul style="list-style-type: none"> Roblyer & Hughes Chapter 3 Additional readings on Blackboard 	<ul style="list-style-type: none"> Module 13 online activities due (<i>Tech implementation project: Parts 3 & 4 draft</i>)
14 4/27-5/3	<ul style="list-style-type: none"> Course reflections & wrap-up Peer feedback on technology implementation projects 	<ul style="list-style-type: none"> Readings on Blackboard 	<ul style="list-style-type: none"> Module 14 online activities due (<i>Peer feedback</i>)
15 5/4-5/10	<ul style="list-style-type: none"> Presentations of Technology Implementation Projects 		<ul style="list-style-type: none"> Technology Implementation Projects Presentations due

Core Values Commitment

The College of Education and Human Development is committed to collaboration, ethical leadership, innovation, research-based practice, and social justice. Students are expected to adhere to these principles: See [Core Values](http://cehd.gmu.edu/values/) (<http://cehd.gmu.edu/values/>).

GMU Policies and Resources for Students

Policies

- Students must adhere to the guidelines of the Mason Honor Code. See [Honor Code and System](https://catalog.gmu.edu/policies/honor-code-system/) (<https://catalog.gmu.edu/policies/honor-code-system/>).
- Students must follow the university policy for Responsible Use of Computing. See [Responsible Use of Computing](http://universitypolicy.gmu.edu/policies/responsible-use-of-computing/) (<http://universitypolicy.gmu.edu/policies/responsible-use-of-computing/>).
- Students are responsible for the content of university communications sent to their Mason email account and are required to activate their account and check it regularly. All communication from the university, college, school, and program will be sent to students solely through their Mason email account.
- Students with disabilities who seek accommodations in a course must be registered with George Mason University Disability Services. Approved accommodations will begin at the time the written letter from Disability Services is received by the instructor. See [Disability Services](https://ds.gmu.edu/) (<https://ds.gmu.edu/>).

- Students must silence all sound emitting devices during class unless otherwise authorized by the instructor.

Campus Resources

- Support for submission of assignments to VIA should be directed to viahelp@gmu.edu or <https://cehd.gmu.edu/aero/assessments>.
- Questions or concerns regarding use of Blackboard should be directed to [Blackboard Instructional Technology Support for Students](https://its.gmu.edu/knowledge-base/blackboard-instructional-technology-support-for-students/) (<https://its.gmu.edu/knowledge-base/blackboard-instructional-technology-support-for-students/>).

Notice of mandatory reporting of sexual assault, interpersonal violence, and stalking:

As a faculty member, I am designated as a “Non-confidential Employee” and must report all disclosures of sexual assault, interpersonal violence, and stalking to Mason’s Title IX Coordinator per University Policy 1202. If you wish to speak with someone confidentially, please contact one of Mason’s confidential resources, such as Student Support and Advocacy Center (SSAC) at 703-380-1434 or Counseling and Psychological Services (CAPS) at 703-993-2380. You may also seek assistance from Mason’s Title IX Coordinator by calling 703-993-8730, or emailing titleix@gmu.edu.

For additional information on the College of Education and Human Development, please visit our website [College of Education and Human Development](http://cehd.gmu.edu/) (<http://cehd.gmu.edu/>).

Appendix

Assessment Rubric(s)

	Exceeds Expectations	Meets Expectations	Does Not Meet Expectations
Learning Goals / Expectations & Characteristics of Environment	5 pts Candidate clearly describes the learning goals and expectations as well as the characteristics of the learning environment providing sufficient details and explanations.	3-4 pts Candidate describes the learning goals and expectations as well as the characteristics of the learning environment without providing sufficient details and explanations.	0-2 pts Candidate fails to describe the learning goals and expectations as well as the characteristics of the learning environment.
Learner Abilities and Needs	5 pts Candidate identifies specific characteristics of users who could benefit from the technology	3-4 pts Candidate identifies some characteristics of users who could benefit from the technology implementation.	0-2 pts Candidate fails to identify specific and related characteristics of users who could benefit from

	implementation. Candidate considers how issues of human diversity can impact individuals, families, communities, and cultures, and how these complex human issues can interact with issues in the delivery of technology.	Candidate considers how issues of human diversity can impact individuals, families, communities, and cultures, and how these complex human issues can interact with issues in the delivery of technology.	technology implementations and/or fails to consider how issues of human diversity can impact the delivery of technology.
Technology Implementation Plan	9-10 pts Candidate provides a detailed plan for technology implementation used for classroom management, content delivery and/or assessment practices matching the goals, learner needs, and environment characteristics to the proposed technology plan.	6-8 pts Candidate provides a plan for technology implementation used for classroom management, content delivery and/or assessment practices. Candidate fails to explain how the goals, learner needs, and environment characteristics match the proposed technology plan.	0-5 pts Candidate does not provide a plan for technology implementation or fails to match the goals, learner needs, and environment characteristics to the proposed technology plan.
Proposed Evaluation of Technology Effectiveness	5 pts Candidate develops and reports a plan to implement and monitor outcomes of interventions and reevaluate and adjust the system as needed. Candidate utilizes evidence-based strategies to develop personalized supports for individuals with various abilities, needs, and learning preferences.	3-4 pts Candidate develops and reports a plan to implement and monitor outcomes of interventions and reevaluate and adjust the system as needed. Candidate utilizes evidence-based strategies to develop personalized supports for individuals with exceptional needs.	0-2 pts Candidate's plans to implement and monitor outcomes of interventions are limited and do not necessarily plan to reevaluate and adjust the system as needed. Candidate fails to utilize evidence-based strategies to develop personalized supports for individuals with exceptional needs.

Reflection	<p style="text-align: center;">5 pts</p> <p>Candidate promotes and advocate for the benefits of continued technology implementation for individuals with various abilities and needs. Candidate discusses the impact technology may have on access and achievement in the specific learning environment.</p>	<p style="text-align: center;">3-4 pts</p> <p>Candidate promotes and advocate for the benefits of continued technology implementation for individuals with various abilities and needs. Candidate fails to discuss or provides limited discussion of the impact technology may have on access and achievement in the specific learning environment.</p>	<p style="text-align: center;">0-2 pts</p> <p>Candidate fails to promote and advocate for the benefits of continued technology implementation for individuals with various abilities and needs. Candidate fails or abilities and needs. Candidate fails to discuss or provides limited discussion of the impact technology may have on access and achievement in the specific learning environment.</p>
Total:	30 possible		