George Mason University College of Education and Human Development Secondary Education Program

SEED 566-001 – Teaching Computer Science in Secondary School 3 Credits, Fall 2024 Mondays, 4:30 – 7:10 pm, Thompson Hall Room L018, Fairfax Campus

Faculty

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Prerequisites/Corequisites

There are no prerequisites. SEED 540 is a recommended corequisite.

University Catalog Course Description

Emphasizes developing different styles of teaching and covers curricula, current issues, and research literature in secondary school computer science. Note: School-based field experience required.

Course Overview

This course is designed to provide potential computer science (CS) teachers with an understanding of general and specific methods for teaching CS in middle and high school. Students will examine a variety of computing tools, virtual environments, and a variety of other resources to support the teaching of CS. Effective pedagogical strategies for curriculum design, assessments, differentiation, and classroom management will be addressed.

Course Delivery Method

In accordance with the GMU Attendance Policies (University Catalog, 2023-2024), "Students are expected to attend the class periods of the courses for which they are registered. In-class participation is important not only to the individual student, but also to the class as a whole. Because class participation may be a factor in grading, instructors may use absence, tardiness, early departure, or failure to engage in online classes as de facto evidence of nonparticipation."

All SEED classes have designated delivery modes and specific modes for each class session (e.g., face-to-face, virtual synchronous, virtual asynchronous). The majority of SEED classes are held in a face-to-face mode. **Students are expected to attend every class session in the mode it is offered.** If you must miss a class session for illness or another valid reason, you are expected to proactively communicate (ahead of the class session) with your instructor about your expected absence.

Missed classes (or portions of classes) will result in loss of participation points. Unless there

are extenuating circumstances that have been shared with the instructor, more than two missed classes will result in a failing grade and you must retake the course.

Absence from class to observe a religious holiday, to serve jury duty, or to participate in required military service are exemptions to the above policy. If you anticipate being absent for any of these reasons, please make arrangements at least 48 hours in advance. In addition, **you are expected to be on time to class** each week unless 48 hours advance notice has been provided to the instructor. Your instructor will define their policy for tardiness as it relates to class participation points and absences.

The Secondary Education (SEED) Program "Seeds"



As illustrated by the model above, the SEED program is guided by five "Seeds" or principles that students are expected to understand and learn to apply in their teaching and professional lives: Social Justice, Inquiry and Reflection, Advocacy and Agency, Partnership and Collaboration, and Respect and Relationship. SEED students address each Seed in a developmental fashion, twice during their licensure program and once again during the master's teacher research capstone experience:

- Each Seed is introduced and students demonstrate initial understandings and consider initial applications to teaching of the Seeds (as determined by the program and course instructor) during one of the five pre-licensure courses ("Foundations," Methods I, Human Development, Methods II, Content Literacy)
- All five Seeds are revisited and students demonstrate deeper conceptual understandings of and identify applications to their teaching of the Seeds (in a manner they determine) during internship and internship seminar
- All five Seeds are explored more deeply, and students demonstrate mastery understandings of, applications to their teaching and teaching inquiries (via their teacher research Methodologies), and future integrations of the Seeds into their teaching and teaching inquiries (via their teacher research Discussions)

Course	Seed/Definition	Key Assignment Description
"Foundations of Secondary Education"	"Advocacy and Agency" The SEED program educates teachers to develop a commitment to advocating for and developing agency in every young person. Teachers' advocacy activities begin with pedagogical interactions and extend into school and community contexts. Similarly, teachers' consideration of youths' agency begins with enabling them to act	Multi-Genre Blog The multi-genre blog is a collection of self-contained artifacts, representing multiple genres, united by a common theme. Each piece included in the collection must represent an aspect of the teacher candidate's teaching

	independently and make choices in their own best interests—in the classroom and beyond.	philosophy, and be drawn from their research, clinical and life experience, and class discussions. The blog must demonstrate the teacher candidate's understanding of why and how they will advocate for their students' well-being and success and help their students develop greater agency in school and beyond.
Methods I	"Social Justice" The SEED program educates teachers to develop a commitment to social justice. Such a commitment encompasses the belief that all members of our school, university, and broader communities can contribute to disrupting inequitable interactions, practices, and structures, with a focus on enhancing each individual's opportunity to learn and succeed. Social justice is also closely aligned with "equity," which involves the implementation of anti- oppressive and antiracist interactions, practices, and structures that ensure that every individual has an unbiased, impartial, responsive, and appropriately-scaffolded opportunity for academic and professional success.	Lesson Plan Using a provided format, the lesson plan must include objectives, standards, instructional plans, assessments, classroom layout(s), a teacher script, and all materials that would be given to students as part of the lesson. The lesson must demonstrate the teacher candidate's ability integrate justice concepts/content into their instruction.
"Human Development and Learning"	"Relationships with and Respect for Youth" The SEED program educates teachers to develop relationships with and respect for youths. When a school culture promotes respect, support for students' identities, senses of belonging, and tolerance, students are able to work as active participants in the classroom and the community. Secondary teachers who create a welcoming environment in their classrooms; who strive to know and honor students' backgrounds, preferences, and perspectives; who build relationships with young people based on trust and mutual understanding; and who connect curriculum to students' cultures hold key to effective instruction. Their instruction will contribute to developing unique individuals who will be able to connect their life experiences to learning.	Case Study/Student Application Project The case study/student application project is a summative assessment of the teacher candidate's ability to use psychological theory to analyze problems in a classroom and practice approaches a thoughtful, ethically principled teacher would use to solve problems. The case study/student applicant project must demonstrate the teacher candidate's understanding of how and why teachers can use psychological theories and principles to develop relationships with and demonstrate respect for youths, with an ultimate goal of enhancing adolescents' school and life success.
Methods II	Inquiry and Reflection The SEED program educates teachers who appreciate and know how to ask questions about their practices and who are critically reflective of their pedagogies, empowered by evidence. The ability to inquire and reflect on one's teaching practice is foundational to educators' ongoing and self- directed professional growth across their professional lifespans. Educators who can inquire into and consistently implement effective instructional practicesand who can	Unit Plan/Lesson Implementation Teacher candidates will use the "backwards design" process to develop a plan for teaching a unit which actively involves students in meaningful learning; individualizes learning to accommodate the strengths and

	critically reflect on and evaluate their pedagogieswill be the most responsive teachers and will best inspire students to learn.	needs of students; and provides authentic assessments. Unit plans will include objectives, a calendar, and an outline of each day in the unit. One lesson of the unit must be taught/co-taught in the teacher candidate's clinical experience classroom, and the unit plan and lesson implementation must demonstrate the candidate's understanding of how and why teachers use inquiry and reflection to improve their pedagogical practices and enhance student learning.
Content Literacy	"Collaboration and Partnership" The SEED program educates teachers who value collaborative engagement in learning and teaching and supporting collaboration through different forms of partnership. Collaboration takes on many forms, including collaboration amongst teacher candidates and their peers, course instructors and faculty advisors, mentor teachers in schools, their students and their students' families and caregivers, and amongst experts in their fields of teaching. These collaborations occur through a shared understanding of partnership. By spanning multiple boundaries, the SEED program supports partnerships with local schools and their divisions, with state and national professional associations, and with international experiences in other countries.	Disciplinary Literacy Inquiry Project Teacher candidates complete an inquiry into methods of supporting students' comprehension in their respective content areas. Using resources from class and peer- reviewed articles, candidates develop an understanding of how to guide and deepen students' comprehension, addressing questions including "Why is it important to be literate in our respective subject areas?". The inquiry project must demonstrate the candidate's understanding of how why teachers collaborate with other education professionals, students, families and caregivers and others to support students' subject area comprehension and literacy learning.
Internship and Internship Seminar	All SEED Seeds: Applications to Teaching All five Seeds are revisited and students demonstrate deeper conceptual understandings of and identify applications to their teaching of the Seeds during internship and internship seminar.	
Teacher Research (for Master's students only)	All SEED Seeds: Applications to Teaching and Teaching Inquiries All five Seeds are explored more deeply, and students demonstrate mastery understandings of, applications to their teaching and teaching inquiries (via their teacher research Methodologies), and future integrations of the Seeds into their teaching and teaching inquiries (via their teacher research Discussions)	

Learner Outcomes

1. Demonstrate an ability to plan a CS lesson that fosters deep understanding of CS

content for all students

- 2. Plan a CS lesson that includes elements of differentiation, assessment, is problembased, and requires students to engage in sense making while adhering to state and national standards
- 3. Demonstrate pedagogical content knowledge (i.e., how to teach CS concepts), as well as practical experience, to be an effective CS teacher at the secondary school level.

Professional Standards

This course aligns to the professional standards as outlined by the Computer Science Teachers Association (CSTA) and the International Society for Technology in Education (ISTE). Upon completion of this course, students will have met certain elements of the INTASC standards 1, 3, 4, 5, 6, 7, 8, 9 and the CSTA/ISTE professional standards 1, 2, 3, 4, and 5.

INTASC Standard 1. Learner Development

The teacher understands how learners grow and develop, recognizing that patterns of learning and development vary individually within and across the cognitive, linguistic, social, emotional, and physical areas, and designs and implements developmentally appropriate and challenging learning experiences.

INTASC Standard 3. Learning Environments

The teacher works with others to create environments that support individual and collaborative learning, and that encourage positive social interaction, active engagement in learning, and self-motivation.

INTASC Standard 4. Content Knowledge

The teacher understands the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and creates learning experiences that make these aspects of the discipline accessible and meaningful for learners to assure mastery of the content.

INTASC Standard 5. Application of Content

The teacher understands how to connect concepts and use differing perspectives to engage learners in critical thinking, creativity, and collaborative problem solving related to authentic local and global issues.

INTASC Standard 6. Assessment

The teacher understands and uses multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher's and learner's decision making.

INTASC Standard 7. Planning for Instruction

The teacher plans instruction that supports every student in meeting rigorous learning goals by drawing upon knowledge of content areas, curriculum, cross-disciplinary skills, and pedagogy, as well as knowledge of learners and the community context.

INTASC Standard 8. Instructional Strategies

The teacher understands and uses a variety of instructional strategies to encourage learners to develop deep understanding of content areas and their connections, and to build skills to apply knowledge in meaningful ways.

INTASC Standard 9. Professional Learning and Ethical Practice

The teacher engages in ongoing professional learning and uses evidence to continually evaluate his/her practice, particularly the effects of his/her choices and actions on others (learners, families, other professionals, and the community), and adapts practice to meet the needs of each learner.

CSTA/ISTE Standard 1. CS Knowledge & Skills

Effective computer science educators develop thorough knowledge of the CS concepts and practices that underlie what they teach. They demonstrate proficiency with CS concepts for the relevant grade band and familiarity with preceding and following grade bands. They engage in computational thinking themselves in order to support their students in developing these practices.

Indicators: Effective computer science educators:

1a. Understand computing systems

Understand how hardware and software work within systems to input, process, store, and output information.

1b. Understand networks and the Internet

Understand how computing devices connect via networks and the Internet to facilitate communication and foster innovation.

1c. Use and analyze data

Collect, store, transform, and analyze digital data to better understand the world and make more accurate predictions.

1d. Develop programs and understand algorithms

Design, implement, and review programs in an iterative process using appropriate CS tools and technologies. Understand tradeoffs-associated with different algorithms.

1e. Analyze impacts of computing

Analyze how people influence computing through their behaviors and cultural and social interactions, as well as how computing impacts society in both positive and negative ways.

1f. Demonstrate CS practices

Apply and model CS and computational thinking practices in flexible and appropriate ways. Practices include: Fostering an Inclusive Computing Culture, Collaborating Around Computing, Communicating About Computing, Recognizing and Defining Computational Problems, Developing & Using Abstractions, Creating Computational Artifacts, and Testing and Refining Computational Artifacts.

Standard 2. Equity and Inclusion

Effective CS teachers proactively advocate for equity and inclusion in the CS classroom. They work towards an intentional, equity-focused vision to improve access, engagement, and achievement for all of their students in CS.

Indicators: Effective computer science educators:

2a. Examine issues of equity in CS

Examine how systemic barriers and social and psychological factors contribute to inequitable access, engagement, and achievement in CS among marginalized groups. Reflect on how issues of equity manifest in their own CS teaching context.

2b. Minimize threats to inclusion

Develop purposeful strategies to proactively challenge unconscious bias and minimize stereotype threat in CS.

2c. Represent diverse perspectives

Incorporate diverse perspectives and experiences of individuals from marginalized groups in curricular materials and instruction.

2d. Use data for decision-making to improve equity

Create and implement a plan to improve access, engagement, and full participation in CS using classroom data to inform decision-making.

2e. Use accessible instructional materials

Evaluate tools and curricula and leverage resources to improve accessibility for all students.

Standard 3. Professional Growth and Identity

Effective CS educators continuously develop their knowledge, practice, and professional identity to keep pace with the rapidly evolving discipline. They participate in the larger CS education community and collaborate with others to develop the skills that enable all students to succeed in their classes.

Indicators: Effective computer science educators:

3c. Identify and counteract personal bias

Reflect on how their own perspective, privilege, and power impact student success and classroom culture and continuously work to counteract these personal biases.

3d. Recognize the value of CS for all students

Refine a personal teaching philosophy reflecting that all students can and should learn CS.

CSTA/ISTE Standard 4. Instructional Design for CS

Effective computer science educators design learning experiences that engage students in problem solving and creative expression through CS, using <u>pedagogical content knowledge</u> (<u>PCK</u>). They plan to meet the varied learning, cultural, linguistic, and motivational needs of individual students in order to build student self-efficacy and capacity in CS.

Indicators: Effective computer science educators:

4a. Analyze computer science curricula

Analyze computer science curricula for implementation in their classrooms in terms of CS standards alignment, accuracy, completeness of content, cultural relevance, instructional approaches, and accessibility.

4b. Develop standards-aligned learning experiences

Design and adapt learning experiences with strong alignment to comprehensive K-12 computer science standards.

4d. Develop strong student conceptual understanding

Use a toolkit of CS-specific teaching strategies to develop students' strong conceptual understanding and to proactively address student misconceptions in CS.

4e. Integrate personally meaningful projects

Plan opportunities for students to create open-ended and personally meaningful projects.

4f. Inform instruction through assessment

Develop multiple forms of formative and summative assessment to provide feedback and support. Use resulting data for instructional decision-making and differentiation.

4g. Build connections between CS and other disciplines

Design learning experiences that highlight connections to other disciplines and real-world contexts

CSTA/ISTE Standard 5. CS Classroom Practice

Effective computer science teachers are <u>responsive practitioners</u> who implement applicable pedagogy to facilitate meaningful experiences and produce empowered learners of computer science.

Indicators: Effective computer science educators:

5a. Facilitate inquiry for student learning

Use inquiry-based learning to enhance student understanding of CS content.

5b. Cultivate a supportive classroom environment

Cultivate a supportive classroom environment that values and amplifies multiple solutions, approaches, perspectives, and voices.

5c. Promote student self-efficacy

Facilitate students' engagement in the learning process and encourage students to take leadership of their own learning by encouraging creativity and use of a variety of resources and problem-solving techniques.

5d. Support student collaboration with computing

Provide meaningful opportunities for students to work together. Elicit students' ability to provide, receive, and respond to constructive feedback.

5e. Encourage student communication about computing

Create meaningful opportunities for students to discuss, read, and write about computing.

Required Texts

Access to the following materials is required:

- Sentance, S., Barendsen, E., & Schulte, C. (Eds.). (2018). *Computer Science Education: Perspectives on teaching and learning in school*. London, UK: Bloomsbury Publishing.
- Krauss, J., & Prottsman, K. (2016). Computational thinking and coding for every student: The teacher's getting-started guide. Corwin Press.
- The Big Book of Computing Pedagogy. Raspberry Pi (2021). Retrieved from: <u>https://www.raspberrypi.org/hello-world/issues/the-big-book-of-computing-pedagogy</u>
- Virginia Standards of Learning for Computer Science. (2017). Retrieved from: <u>https://www.doe.virginia.gov/teaching-learning-assessment/instruction/computer-science</u>
- Computer Science Teachers Association. (2017). CSTA K-12 standards. Retrieved from <u>https://csteachers.org/k12standards/interactive/</u>
- K-12 Computer Science Framework Steering Committee. (2016). K-12 computer science framework. ACM. Retrieved from <u>https://k12cs.org/wp-content/uploads/2016/09/K%E2%80%9312-Computer-Science-Framework.pdf</u>

Grover. S. (Ed). 2020. Computer Science in K-12: An A-to-Z Handbook on Teaching Programming. Edfinity.

Recommended Texts

- Amy J. Ko, Anne Beitlers, Brett Wortzman, Matt Davidson, Alannah Oleson, Mara Kirdani-Ryan, Stefania Druga (2021). Critically Conscious Computing: Methods for Secondary Education. <u>https://criticallyconsciouscomputing.org/</u>, retrieved 8/6/2024.
- Bergman, D. (2018). Computer Science K-12: Imagining the possibilities!: Bringing creative and innovative Computer Science to your school 1st Edition. CreateSpace Independent Publishing Platform.
- Hazzan, O., Lapidot, T., & Ragonis, N. (2015). *Guide to teaching computer science: An activity-based approach*. London, UK: Springer.
- Margolis, J., Estrella, R., Goode, J., Holme, J. J., & Nao, K. (2010). *Stuck in the shallow end: Education, race, and computing.* MIT press.

Margolis et al. (2010) can be accessed through Mason libraries. The link is: <u>https://bit.ly/3nGMUHK</u> Scroll down to "Links: Electronic resource available..." and click on the link.

You will also complete additional readings as assigned. All additional readings will be uploaded to Blackboard.

Course Performance Evaluation

Students are expected to submit all assignments on time in the manner outlined by the instructor (e.g., Blackboard or VIA). Hard copies of materials are NOT accepted.

Assignments and/or Examinations

The following assignments will help us to gauge your development throughout the course:

Assessment	Percentage of Grade (Graduate)
	Giude (Giuduute)
Participation and Preparation (including	20%
weekly assignments and readings)	
Lesson Plan Assignment	20%
Microteaching and Reflection	20%
Field Work Assignments	20%
CS Integration Task	20%

PLEASE USE THE ASSIGNMENT INSTRUCTIONS THAT ARE POSTED ON BLACKBOARD – THE INSTRUCTIONS GIVEN ON THE SYLLABUS ARE FOR DESCRIPTIVE PURPOSES ONLY

Lesson Plan Assignment

Throughout the semester, you will explore many issues related to the teaching and learning of CS. In this culminating assignment, you will have the opportunity to use the knowledge, skills, and understandings you have gained in the creation of a lesson plan. Within this lesson, you will attend to the development of student understanding of CS content, various standards documents, and problem-based instruction.

Microteaching and Reflection:

Research shows that the most effective teachers inform their practice by analyzing and reflecting

on their teaching. Toward the end of the semester, you will teach a 50-minute lesson that you have designed with your partner(s). After teaching, you will submit a reflection about the experience via Blackboard.

Prior to the day of the lesson:

• Identify any resources you need to teach your lesson and put in a request for what you cannot obtain to determine if it is available. Please do this at least two (2) weeks prior to the day you teach to ensure materials will be available.

Day of the lesson:

- Give a one-minute overview in which you will describe to the class the setting of this lesson (subject, grade level, standards, and objectives).
- For the remainder of the time, you will engage your classmates in a CS lesson.
- Be sure to conduct a **formative assessment** so you have data to determine whether or not students achieve the objectives.

After the lesson:

- Examine the formative assessments, summarizing the results and determining from this data whether the objectives were achieved.
- <u>Write a 1-page paper that examines what happened during your lesson</u>, focusing on how the activities might have influenced student learning (positively and negatively). The paper should be organized as follows:
- Identify the assessments used during lesson to evaluate the lesson objectives. Describe the results of the assessments of these objectives (e.g., percentage of the students achieved each objective).
- Examine the lesson in detail to determine what happened in the classroom that might have influenced the results of the assessments and what could be done to improve student achievement. Where/how could students think more deeply about the objective? Where/how could they be more explicit (either as a class or individually) about what they had learned before the assessment? Further, you should conduct a critical review of the assessment as to whether it is a valid measure of the lesson objectives. Use evidence from assessments to draw your conclusions about your lesson.
- Examine the specific actions you undertook as a teacher (mannerisms, answering questions, etc.) and categorize these into those actions that might help with student learning and those that might hinder student learning. In each category, explain how it might influence student learning.

Field Work Assignments

One of the most valuable pieces of pre-service teacher training is the opportunity to do field work. You will complete 15 hours of field work and keep a log of these hours for submission at the end of the semester. Throughout the semester, you will be required to complete smaller assignments during your field work. These assignments provide you with opportunities to reflect upon the practice of teaching after having watched instances of teaching in real world settings.

CS Integration Task

Computational thinking is a problem-solving method that can be applied to any discipline. Integrating this kind of thinking into the curriculum is essential. For this assignment, you will develop a task that integrates CT/CS that would typically be taught in one of the four core subject areas (English, Mathematics, Social Studies, Science), or other subjects such as World Language, Physical Education, or Fine Arts Education.

Participation and Preparation

The participation of each class member is vitally important. If you do not come prepared to discuss the readings, to share you work on a given assignment, and to participate in the activities of the day, the quality of the class suffers. You **must** commit to coming to every class on time, being prepared for the evening's activities, and being ready to participate. You can expect that, in addition to work on the larger projects outlined below, there will be weekly readings and assignments that will fall into this category. If, however, there is an emergency and you cannot make it to class, you **must email me ahead of time** and submit all assignments electronically before the end of class.

Grading

High quality work and participation is expected on all assignments and in class. Attendance at all classes for the entire class is a course expectation. For each unexcused absence, the course grade will be reduced by 5% points. All assignments are graded and are due at the beginning of class on the day they are due. Late assignments will automatically receive a ten percent grade reduction (one full letter grade lower).

Graduate	Undergraduate
A = 95-100%	A = 93-100%
A - = 90 - 94%	A-=90-92%
B + = 87 - 89%	B + = 86-89%
B = 83-86%	B = 82-85%
B - = 80 - 82%	B = 80 - 81%
C = 70-79%	C = 70-79%
F = Below 70%	D = 60-69%
<i>B- or below is not a passing course grade</i>	F = Below 60%
for licensure	B- or below is not a passing course grade
	for licensure

If circumstances warrant, a written contract (there is a form that CEHD provides) for an incomplete must be provided to the instructor for approval prior to the course final examination date. Requests are accepted at the instructor's discretion, provided your reasons are justified and that 80% of your work has already been completed. Your written request should be regarded as a contract between you and the instructor and must specify the date for completion of work. This date must be at least two weeks prior to the university deadline for changing incompletes to letter grades.

Use of Generative AI

Mason is an Honor Code university; please see the Office for Academic Integrity for a full description of the code and the honor committee process. Three fundamental principles to follow at all times are that: (1) all work submitted be your own, as defined by the assignment; (2) when you use the work, the words, or the ideas of others, including fellow students or online sites, you give full credit through accurate citations; and (3) if you are uncertain about the ground rules on a particular assignment or exam, ask for clarification. No grade is important enough to justify academic misconduct.

Use of Generative-AI tools should be used following the fundamental principles of the Honor Code. This includes being honest about the use of these tools for submitted work and including citations when using the work of others, whether individual people or Generative-AI tools. When explicitly stated by the instructor, Generative AI tools are allowed on the named assignment. Students will be directed if and when citation or statement-of-usage direction is required. Use of these tools on any assignment not specified will be considered a violation of the academic integrity policy. All academic integrity violations will be reported to the office of Academic Integrity. Some student work may be analyzed using an originality detection tool focused on AI tools. Generative AI detection tool use will be shared when the assignment directions are provided to students.

There will be times in the education field when the use of AI tools will be needed for you to perform your job well and there will be times where you will need to be able to do the work without support from these tools. This course aims to provide you with experience in the real-world scenarios in the use of AI that you may encounter once you leave the university.

Professional Dispositions (CEHD Guide)

Throughout study in the College of Education and Human Development, students are expected to demonstrate behaviors that reflect the positive dispositions of a professional. See <u>https://cehd.gmu.edu/current-students/cehd-student-guide</u>.

CEHD Commitments

The College of Education and Human Development is committed to fostering collaboration and community, promoting justice and equity, and advancing research-informed practice. Students are expected to adhere to, and contribute to, these commitments, the CEHD Mission, and Core Values of George Mason University. More information can be found here: https://cehd.gmu.edu/about/culture/

GMU Policies and Resources for Students

Policies

- Students must adhere to Mason's Academic Standards (see https://catalog.gmu.edu/policies/academic-standards/)
- Students must follow the university policy for Responsible Use of Computing (see https://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 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 your LMS should be directed to:
 - Blackboard Learn: <u>https://its.gmu.edu/knowledge-base/blackboard-instructional-technology-support-for-students/</u>
 - o Canvas: <u>https://its.gmu.edu/service/canvas/</u>
- For information on student support resources on campus, see:

https://ctfe.gmu.edu/teaching/student-support-resources-on-campus

- o TimelyCare: <u>https://caps.gmu.edu/timelycare-services/</u>
- Writing Center: https://writingcenter.gmu.edu/
- For additional information on the College of Education and Human Development's Student Success Resources, please visit: <u>https://cehd.gmu.edu/students/</u>.

Notice of mandatory reporting of sexual assault, sexual harassment, interpersonal violence, and stalking: As a faculty member, I am designated as a "Non-Confidential Employee," and must report all disclosures of sexual assault, sexual harassment, interpersonal violence, and stalking to Mason's Title IX Coordinator per <u>University Policy 1202 (New Window)</u>. If you wish to speak with someone confidentially, please contact one of Mason's confidential resources, such as the <u>Student Support and Advocacy Center (SSAC) (New Window)</u> at 703-380-1434 or <u>Counseling and Psychological Services (CAPS) (New Window)</u> at 703-993-2380. You may also seek assistance or support measures from Mason's Title IX Coordinator by calling 703-993-8730, or emailing <u>titleix@gmu.edu</u>."

Field Accommodations

- Field/clinical work is required for this class. Failure to complete the total number of assigned hours will result in a failing grade.
- If you believe you need ADA accommodations during your field placement and/or internship experience, please contact Mason's Disability Services (DS) office. Specific accommodations for fieldwork and internships may be different than academic accommodations; however, like academic accommodations, they are not retroactive. Connecting with DS is a student-initiated interactive process. DS will collaborate with the department and possibly the placement site to provide reasonable accommodations that are individualized and based on documentation, functional limitations, and a collaborative

assessment of needs. For more information, please refer to the Disability Services website: <u>https://ds.gmu.edu/field-placement/</u>.

Class Schedule

Note: Faculty reserves the right to alter the schedule as necessary, with adequate notification to students. The dates of assignments are subject to change dependent on the progress of the course. I will not move due dates for major assignments to an earlier date, only a later date if necessary. Additional smaller assignments and readings may be made each week. Additionally, at times different students will read different readings and share their understandings with the class. All readings noted with "see Bb site" will be available on Blackboard at least a week before they are to be read for class.

Date	Торіс	Readings	Assignment Due
Week 1 (Aug 26)	Course Introduction		
Week 2 (Sept 2)	No Class – Labor Day Holiday		
Week 3 (Sep 9)	Overview of the Discipline of CS Why teach computer science? Social Justice	See BlackBoard Announcements	
Week 4 (Sept 16)	CS Standards • VA SOL • CSTA K-12 Standards Pair Programming	See BlackBoard Announcements **Download SOL and CSTA Standards and Framework	
Week 5 (Sept 23)	Lesson Plans Backward Design	See BlackBoard Announcements	
Week 6 (Sept 30)	Computational Thinking (Part 1) Unplugged Approach – Part 1	See BlackBoard Announcements	
Week 7 (Oct 7)	Computational Thinking (Part 2) CS Across Subjects Unplugged Approach – Part 2	See BlackBoard Announcements	
W/a - 1- 0		No Class – Fall Break	
week 8 (Oct 14)			
Week 9		See BlackBoard	
(Oct 21)	Identifying Student	Announcements	At least <u>7 hours</u> of field

	Misconceptions		work should be completed
Week 10 (Oct 28)	Formative and Summative Assessment Parsons Problems	See BlackBoard Announcements	
Week 11 (Nov 4)	Work on Lesson Plans No Class	See BlackBoard Announcements	CS Integration Assignment Due
Week 12 (Nov 11)	Work on Lesson Plans No Class	See BlackBoard Announcements	
Week 13 (Nov 18)	Microteaching	See BlackBoard Announcements	
Week 14 (Nov 25)	Microteaching	See BlackBoard Announcements	
Week 15 (Dec 2)	Peer Review of Lesson Plans		All field work completed with accompanying assignments and log sheet - Upload to Blackboard)
Week 16 (Dec 9)	No Class – complete and submit final assignments		Lesson Plan Assignment Due Microteaching Reflection Due

George Mason University College of Education and Human Development

Secondary Education (SEED) Lesson Planning Assessment Completed in Methods I

Assessment Information

In the Secondary Education (SEED) program, the Lesson Planning Assessment is completed during Methods I and is assessed by Methods I instructor. The candidate must earn a score of 2 to be successful on this assignment. If a candidate does not earn a 2 on the assignment, he/she must meet with the course instructor or assessor prior to resubmitting. The data from this assessment are used to identify both best practices and gaps in developing and assessing a specific lesson plan and the impact on student learning.

Standards Addressed in This Assessment

- Interstate Teacher Assessment and Support Consortium (InTASC) Standards: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Virginia Department of Education (VDOE) Standards: 1, 2, 3, 4, 5, 7
- Council for the Accreditation of Educator Preparation (CAEP) Standards: 1.1 (InTASC Standards), 1.2 (Use of Research), 1.3 (Content and Pedagogical Knowledge), 1.4 (College and Career Readiness), 1.5 (Technology)
- CAEP Cross-Cutting Themes (CCT): Technology, Diversity

Assessment Objective

The candidate will develop a research-supported lesson plan that effectively meets the needs of a specific population of learners.

<u>Rationale</u>

It is important that teacher candidates demonstrate their ability to design an effective lesson plan with specific, performance-based learning objectives that meet the learning needs of their learners. Lesson planning can be guided by four basic questions (adapted from Spencer, 2003):

- 1. *Who are my learners?* (Consider the number of learners, their academic readiness levels and cultural backgrounds, their prior knowledge, etc.)
- 2. *What do I want my learners to learn?* (Consider the content or subject (and interdisciplinary connections), the type of learning (knowledge, skills, behaviors), how to integrate collegeand career-ready standards, etc.)
- 3. *How will I know what the learners understand?* (Consider informal and formal assessments, formative and summative assessments, higher order questioning techniques, feedback from learners, etc.)
- 4. *How will my learners learn best?* (Consider the teaching models, learning strategies, length of time available, materials, technology resources, differentiation, modifications, etc.)

You might also want to ask:

- What knowledge, skills, and understandings do my learners already have?
- What knowledge or prerequisite skills do I need to access, activate, or build in this lesson? How will I access those prerequisite skills or activate that prior knowledge?
- Where have learners come from and what are they going on to next?
- How can I build in sufficient flexibility to respond to emergent needs indicated by ongoing observation and formative assessment?

During field experiences and the internship, a lesson plan must be developed for each teaching session. As a novice teacher, lesson plans are developed for each instructional episode (lesson, one-to-one instruction, and small group activity). When teaching new content or grade levels, your lesson plans will be more detailed. As you gain pedagogical content knowledge and are proficient, your lesson planning becomes less detailed. Part of the planning process includes considering the following tasks:

- List content and key concepts (research more if needed).
- Define your aims and identify specific learning objectives/goals/outcomes aligned to appropriate curriculum standards, Virginia Standards of Learning (SOL) and Aligned Standards of Learning (ASOL), and College- and Career-Ready standards.
- Create assessments that are aligned to your specific learning objectives/goals/outcomes.
- Think about the structure of the lesson, pacing, transitions, and use of technology.
- Identify the strengths and needs of all learners.
- Identify adaptations/modifications/extensions needed to meet learner needs.
- Determine "best practices" and learning strategies aligned to the learning objectives/goals/outcomes.
- Identify learning resources and support materials, including technology.

Directions for Completing this Assessment Task

Develop and teach a lesson plan using the template attached. Review the rubric to guide the development of your lesson plan.

Submission Directions

You will submit a detailed lesson plan (using the Lesson Plan Template) that addresses each of the sections described below.

Section 1: Classroom Context

Classroom decisions are made based upon your learners' strengths and needs. Your plan may vary based upon when, in a unit of instruction, the lesson takes place, and even the time of the lesson. In this section, you will provide basic information about your learners and the classroom—including academic and cultural backgrounds and prior knowledge, and any assessments that will guide your planning. Make certain to address how your knowledge of your learners will affect your planning. $(\frac{1}{2}-1 \text{ page})$

Section 2: Planning for Instruction

Before you teach a lesson, you must decide the learning objectives/goals/outcomes and connection to Virginia Standards of Learning (SOL) and Aligned Standards of Learning (ASOL), and/or Collegeand Career-Ready standards you will use and why you have selected these objectives and specific strategies to teach the lesson to your specific group of learners. You make these decisions based upon learner needs, current research, prior knowledge or pre-assessments of learning, aligned to appropriate curriculum standards. While planning your lesson, using your knowledge of your learners, you will make decisions as to the modification/differentiation and/or accommodations you will need to meet the needs of all learners in your classroom. Then, with an informed understanding of your audience and your content, identify the learning materials needed to teach the lesson and any technology you and/or your learners will use in this lesson. In this section, be sure to detail all of these planning elements, including how you will assess learner mastery of lesson content— using both formative and summative assessments throughout the lesson. Virginia Standards of Learning (SOL) and Aligned Standards of Learning (ASOL), and/or College- and Career-ready skills, and any content specific objectives should be included in lesson plans. (1–2 pages)

Section 3: Instruction and Assessment

After you have identified *what* your class will learn, you will begin to chart out specifically *how* you will teach the lesson. When completing this section of the lesson plan, you will identify the procedures that you will use from the opening of the lesson through the lesson closure. Script this section of the plan, noting what you will say and do and what you are asking learners to do. Be certain to include formative assessments and guided practice activities and any independent practice and summative assessments you will have learners complete. (2–3 pages)

Section 4: Reflection: Impact on Learning

John Dewey noted that without reflection, there is no learning. In this section, reflect upon the lesson and consider whether your learners were able to meet the learning objectives/goals/outcomes for the lesson (Dewey, 1933). How do you know learners were able to successfully meet the lesson objectives/goals/outcomes? (Be specific here and use formative/summative assessment results to guide your response.) What was your impact on learning? (That is, how did your instructional decisions seem to affect learning? Again, be specific.) What strategies or activities were the most successful? What could have made the lesson stronger? What did you learn about teaching, learners, and learning that will affect your next instructional experience? (1 page)

NOTE: Lesson plans will be evaluated based on adherence to the provided lesson plan format; consistency with instructional methods taught in the program; appropriate rationale provided; specification of objectives, as related to state and national standards; whether there was an appropriate match between the assessment of learning and learning objectives; coherence of writing, and mechanics. Additionally, plans should include the Virginia Standards of Learning (SOL), Aligned Standards of Learning (ASOL), College- and Career-Ready skills, and other content specific objectives.

References

Dewey, J. (1933). *How we think. A restatement of the relation of reflective thinking to the educative process* (Revised ed.). Boston: D. C. Heath and Company.

Spencer, J. (2003). *Learning and teaching in the clinical environment*. London, England: BMJ Publishing Group.

Lesson Plan Template		
Section 1. Classroom Context		
Grade level: Number of students:		
Content Area: Name of Unit:		
Lesson planned for minutes		
Circle when this lesson occurs in the unit: _ beginning middleend		
Narrative including any additional contextual information that will impact planning:		
Section 2. Planning for Instruction		
Performance-based Objective(s)		
National content standards and VA Standards of Learning (SOL)/Career- and College- Ready Standards		
selected these objectives and these specific strategies?		
Differentiation and Accommodations		
Materials/Technology		
Section 3. Instruction and Assessment		
Instruction Context: Describe purpose of the lesson.		
Lesson Procedures: Detail the sequence of the lesson, including the Opening/Strategies/Assessments/Closure activities. Note: The reader should be able to teach the less from this plan.		
Assessments: Include explanation of assessment choices (formal/informal and formative/summative assessments) and alignment of assessments to lesson objectives.		
Section 4. Reflection: Impact on Student Learning		
Narrative reflection on the lesson and the impact on student learning. Include any changes you would make to the lesson based upon your reflection.		
George Mason University College of Education and Human Development		

Council for the Accreditation of Educator Preparation Common Assessment Lesson Plan Rubric

The target score for all Candidates is "Proficient," Level 2. The Candidate must earn a score of 2 to be successful on this assignment. If a Candidate does not earn a 2 on the assignment, he/she must meet with the course instructor or assessor prior to resubmitting. The data from

this assessment are used to identify both best practice and gaps in developing and assessing a specific lesson plan and its impact on student learning.

GENERAL SCORING GUIDELINES

- **3** = *Highly Proficient:* rich, sophisticated, exemplary in all aspects of quality (including both mechanics of writing and clarity/insightfulness of thinking), thoroughly accurate and developed, exceeds expectations for a Candidate at this stage of development, integrates thorough understanding of relevant professional literature/research.
- 2 = *Proficient:* well developed, good quality (may include very few errors in mechanics, and shows clarity of thinking), fully meets expectations for a Candidate at this stage of development, shows understanding of relevant professional literature/research. This is the TARGET score.
- 1 = *Not Proficient:* superficially developed, minimally acceptable quality (Written work/plans may include a few errors in mechanics and inconsistent clarity in thinking), lags behind expectations for most Candidates at this stage of development. May show beginning/weak understanding of the relevant professional literature/research.

Criteria	Not Proficient	Proficient	Highly Proficient	
	1	2	3	
The Candidate identifies individual and group prerequisites in order to design instruction to meet learners' needs in the cognitive, linguistic, social, emotional, and physical areas of development. <i>InTASC 1</i> <i>VDOF 1</i>	 The evidence indicates that the Candidate demonstrated a partial understanding of learners' developmental levels, planning instruction that aligned to the developmental 	 The evidence indicates that the Candidate demonstrated an accurate understanding of learners' developmental levels by planning varied instruction appropriate to support learning 	The evidence indicates that the Candidate demonstrated an accurate understanding of learners' developmental levels and was able to plan and articulate specific, varied strategies for engaging learners in the learning and providing varied options for learners to demonstrate mastery aligned to the	
CAEP 1.1 CAEP CCT: Diversity	levels of some (but not all) of the learners.	goals, actively engaging learners in learning that aligned with overall subsets of learner's developmental levels.	developmental learning level of each learner and groups of learners in the classroom.	
Section 2: Planning for I	nstruction			
Criteria	Not Proficient 1	Proficient 2	Highly Proficient 3	

Lesson Plan Rubric

The Candidate identifies performance- based objectives and/or appropriate curriculum goals/outcomes that are relevant to learners. <i>InTASC 7</i> <i>VDOE 2</i> <i>CAEP 1.1</i> <i>CAEP 1.2</i> <i>CAEP CCT: Diversity</i>	The evidence indicates that the Candidate planned activities that did not include learner- appropriate and measurable objectives aligned with standards and/or use of prior knowledge.	The evidence indicates that the Candidate planned challenging activities using learner- appropriate and measurable objectives that used appropriate scaffolds and differentiation that address learner needs to build on prior knowledge.	The evidence indicates that the Candidate planned challenging activities using learner appropriate and measurable objectives with appropriate scaffolds and differentiation that address individual learner strengths and needs to build on prior knowledge and used pedagogical content knowledge/teaching strategies that aligned with multiple standards, including College- and Career-Ready Skills, clearly connects to the range of previous and future learning.
The Candidate identifies national/state/local standards that align with objectives, are appropriate for curriculum goals, and are relevant to learners. <i>InTASC 7</i> <i>VDOE 2</i> <i>CAEP 1.1</i> <i>CAEP 1.2</i> CAEP CCT: Diversity	 The evidence indicates that the Candidate planned activities that did not include learner- appropriate and measurable objectives aligned with national/state/local standards that are aligned with appropriate for curriculum goals. 	 The evidence indicates that the Candidate planned challenging activities using learner- appropriate and measurable objectives closely aligned with national/state/local standards address learner needs, build on prior knowledge and used instructional strategies, including College- and Career-Ready Skills, and connects to future learning. 	The evidence indicates that the Candidate planned challenging activities using learner appropriate and measurable objectives with appropriate scaffolds and differentiation that address individual learner strengths and needs to build on prior knowledge and used pedagogical content knowledge/teaching strategies that aligned with multiple standards, including College- and Career-Ready Skills, clearly connects to the range of future learning.
The Candidate creates learning experiences that make content accessible and meaningful for learners to ensure content mastery. <i>InTASC 4</i> <i>VDOE 1</i> <i>CAEP 1.1</i> <i>CAEP 1.3</i>	 The evidence indicates that the Candidate demonstrated knowledge of the content using explanations that were not always accurate and clear. 	The evidence indicates that the Candidate displayed knowledge of the important content in the discipline by using content-related strategies that clearly identify how concepts related to one another, using developmentally	 The evidence indicates that the Candidate displayed extensive knowledge of the important concepts in the discipline by using multiple representations, multiple formats, and appropriate content-related strategies and developmentally appropriate terminology/language,

		• -	
		appropriate	including varied levels of
		terminology/	questioning, a wide variety
		language to build an	of opportunities to build a
		understanding of	higher-level of
		content for all	understanding of content
		learners.	for all learners.
Criteria	Not Proficient	Proficient	Highly Proficient
entena	1	2	2
	-	2	5
The Candidate	○ The evidence	○ The evidence	O The evidence indicates
organizes and creates	indicates that the	indicates that the	that the Candidate
face-to-face and/or	Candidate transitions	Candidate transitions	demonstrates respect for
virtual environments	inofficiently between	officiently and	and interest in individual
that support			
individual and			learner's experiences,
collaborative learning.	some loss of	learning activities	thoughts and opinions and
control active feat ming.	instructional time,	with minimal loss of	uses transitions that are
InTASC 3	monitoring and	instructional time,	seamless, effectively
VDOE 5	responding to learner	using varied learning	maximizing instructional
CAEP 1 1	behavior (both positive	situations that	time, and combining
CAEP 1 A	and negative) in a way.	includes monitoring	independent, collaborative,
CAE1 1.4 $CAED 1.5$	that is inconsistent.	and responding to	and the individual needs of
CAED CCT.	inappropriate and/or	learner behavior	all learners including in
CALF CCT.	ineffective for meeting	(both positive and	virtual environments
rechnology	classroom and		virtual environments.
	individual laarnar	that is consistent	
		that is consistent,	
	needs, including in	appropriate and	
	virtual environments.	effective for meeting	
		classroom and	
		individual learner	
		needs; including in	
		virtual environments.	
The Candidate uses	○ The evidence	○ The evidence	O The evidence indicates
appropriate technology	indicates that the	indicates that the	that the Candidate uses
to engage learners and	Candidate is	Candidate uses	appropriate technology
to assess and address	inconsistent	appropriate	effectively maximizing
learner needs.	inappropriate and/or	technology in a way	instructional time, and
	inoffective in using	that is consistent	combining independent
InTASC 6		that is consistent,	combining independent,
VDOE 4	appropriate		conaborative, and the
CAEP 1.1	technologies for	effective for meeting	individual needs of all
CAEP 1.5	meeting classroom and	classroom and	learners.
CAEP CCT:	individual learner	individual learner	
Technology	needs.	needs.	
CAEP CCT: Diversity			
The Candidate	○ The evidence	○ The evidence	○ The evidence indicates
facilitates learners' use	indicates that the	indicates that the	that the Candidate used
of appropriate tools	Candidate	Candidate used a	collaborative problem
and resources to	implemented	variaty of appropriate	solving as a way to evolute
maximize content	topohor directed	tools to overlars	solving as a way to explore
learning in varied	teacher-directed	tools to explore	content with the majority
contexts.	lessons with limited	content that includes	of instruction being
conceacy.	use of tools	learner-led learning	learner-led learning
InTASC 5	appropriate for the	activities including	activities including real-
VDOF 2	content being	cross-curricular	world and cross-curricular
V DUL 4	learned.	learning	learning opportunities,

CAEP 1.1 CAEP 1.4 CAEP 1.5 CAEP CCT: Technology Criteria The Candidate plans how to achieve learning goals, choosing accommodations to differentiate instruction for individuals and groups of learners. InTASC 2 VDOE 2 CAEP 1.1 CAEP CCT: Diversity	Not Proficient 1 The evidence indicates that the Candidate planned activities that did not include learner- appropriate and measurable goals aligned to the developmental levels of some (but not all) of the learners; instruction was inappropriate	opportunities, with clear connections between content and other disciplines. Proficient 2 The evidence indicates that the Candidate planned challenging activities using learner- appropriate and measurable goals that used appropriate scaffolds and differentiation that aligned with overall subsets of learner's developmental levels	with clear connections between content and other disciplines that encouraged independent, creative and critical thinking. Highly Proficient 3 The evidence indicates that the Candidate demonstrated an accurate understanding of learners' developmental levels and was able to plan and articulate specific, varied strategies for engaging learners in the learning and providing varied options for learners to demonstrate mastery aligned to the developmental learning
The Candidate plans instruction based on pre-assessment data, prior knowledge, and skills. <i>InTASC 7</i> <i>VDOE 2</i> <i>CAEP 1.1</i>	for groups of learners.	accessible and challenging for the classroom. The evidence indicates that the Candidate planned challenging activities using learner- appropriate and measurable objectives that	groups of learners in the classroom. O The evidence indicates that the Candidate planned challenging activities using learner-appropriate and measurable objectives with appropriate scaffolds and differentiation that address individual learner strengths and needs to build on prior
	data and/or use of prior knowledge.	address learner needs to build on prior knowledge aligned with pre- assessment data and/or use of prior knowledge.	knowledge and used pedagogical content knowledge/teaching strategies that aligned with pre-assessment data and/or use of prior knowledge.

Section 3: Instruction and Assessment				
Criteria	Not Proficient	Proficient	Highly Proficient	
	1	2	3	
The Candidate	\bigcirc The evidence	◯ The evidence	○ The evidence indicates	
develops appropriate	indicates that the	indicates that the	that the Candidate used a	
sequencing and pacing	Candidate used	Candidate used a	variety of instructional	
of learning experiences	limited instructional	variety of	strategies to engage and	
ways to demonstrate	strategies that did	instructional	challenge learners in	
ways to demonstrate knowledge and skill	not allow for	strategies to engage	differentiate learning	
knowieuge and skin.	differentiated	and challenge	situations allowing all	
InTASC 8	learning experiences	learners in	learners to take ownership	
VDOE 2	and/or did not	differentiated	of their learning.	
CAEP 1.1	provide multiple	learning situations.		
	ways to demonstrate			
	learning.			
The Candidate uses a	○ The evidence	○ The evidence	O The evidence indicates	
variety of instructional	indicates that the	indicates that the	that the Candidate used a	
strategies to encourage	Candidate used	Candidate used a	variety of instructional	
learners to develop an	limited instructional	variety of	strategies, including	
understanding of the	strategies that did	instructional	appropriate, available	
knowledge in	not allow for	strategies to engage	technologies, to engage	
mooningful ways	differentiated	and challenge	and challenge learners in	
incaningiui ways.	learning situations	learners in	differentiate learning	
InTASC 8	and/or did not	differentiated	situations allowing all	
VDOF 3	engage and	learning situations	learners to have ownership	
CAED 1 1	challenge learners.	allowing learners to	of their learning.	
		have ownership of		
		their learning.		
The Candidate	 The evidence 	 The evidence 	○ The evidence indicates	
engages learners in	indicates that the	indicates that the	that the Candidate	
multiple ways of	Candidate provided	Candidate provided	provided multiple	
aemonstrating	limited opportunities	effective feedback to	opportunities for learners	
knowledge and skill	for learners to	learners on multiple	to demonstrate learning by	
as part of the	demonstrate	instances of	using formative,	
assessment process.	learning and did not	formative,	summative, informal,	
InTASC 6	have opportunities	summative, informal,	and/or formal assessments.	
VDOE 4	of feedback or	and/or formal	Assessments were	
CAEP 1.1	analysis of learner	assessments and	differentiated to match a	
	data to inform future	analyzed data to	full rating of learner needs	
	instruction.	inform instruction.	and abilities.	

Section 4: Reflection: Impact on Learning				
Criteria	Not Proficient	Proficient	Highly Proficient	
	1	2	3	
The Candidate uses a variety of self- assessment and reflection strategies to analyze and reflect on his/her impact on student learning and to plan for future instruction/ adaptations. <i>InTASC 9</i> <i>VDOE 7</i> <i>CAEP 1.1</i>	O The evidence indicates that the Candidate did not participate in professional development; participated in professional development not relevant to personal needs identified through ethical and responsible self- reflection to plan for future instruction/	The evidence indicates that the Candidate used self- reflection to identify professional development opportunities relevant to learning needs and applied activities in their teaching in an ethical and responsible manner to plan for future instruction/ adaptations and	O The evidence indicates that the Candidate consistently used self-reflection to identify professional development opportunities relevant to improving teaching and learning for specific groups of learners and successfully made systematic application of activities in their teaching in an ethical and responsible manner to plan for future instruction/ adaptations, and perconal learning goals	
	adaptations, and personal learning goals.	personal learning goals.	personal learning goals.	

FACULTY USE ONLY	
	Candidate was not evaluated due to extenuating circumstances that impeded the
	completion of this assessment.

Some content adapted from the STAR Evaluation developed by Emporia State.



Common Policies Affecting All Courses at George Mason University Updated August 2024

These four policies affect students in all courses at George Mason University. This Course Policy Addendum must be made available to students in all courses (see <u>Catalog Policy AP.2.5</u>).

Additional policies affecting this course, and additional resources or guidance regarding these policies, may be provided to students by the instructor.

Academic Standards

Academic Standards exist to promote authentic scholarship, support the institution's goal of maintaining high standards of academic excellence, and encourage continued ethical behavior of faculty and students to cultivate an educational community which values integrity and produces graduates who carry this commitment forward into professional practice.

As members of the George Mason University community, we are committed to fostering an environment of trust, respect, and scholarly excellence. Our academic standards are the foundation of this commitment, guiding our behavior and interactions within this academic community. The practices for implementing these standards adapt to modern practices, disciplinary contexts, and technological advancements. Our standards are embodied in our courses, policies, and scholarship, and are upheld in the following principles:

- **Honesty:** Providing accurate information in all academic endeavors, including communications, assignments, and examinations.
- Acknowledgement: Giving proper credit for all contributions to one's work. This involves the use of accurate citations and references for any ideas, words, or materials created by others in the style appropriate to the discipline. It also includes acknowledging shared authorship in group projects, co-authored pieces, and project reports.
- Uniqueness of Work: Ensuring that all submitted work is the result of one's own effort and is original, including free from self-plagiarism. This principle extends to written assignments, code, presentations, exams, and all other forms of academic work.

Violations of these standards—including but not limited to plagiarism, fabrication, and cheating—are taken seriously and will be addressed in accordance with university policies. The process for reporting, investigating, and adjudicating violations is <u>outlined in the university's procedures</u>. Consequences of violations may include academic sanctions, disciplinary actions, and other measures necessary to uphold the integrity of our academic community.

The principles outlined in these academic standards reflect our collective commitment to upholding the highest standards of honesty, acknowledgement, and uniqueness of work. By adhering to these principles, we ensure the continued excellence and integrity of George Mason University's academic community.

Student responsibility: Students are responsible for understanding how these general expectations regarding academic standards apply to each course, assignment, or exam they participate in; students should ask their instructor for clarification on any aspect that is not clear to them.

Accommodations for Students with Disabilities

Disability Services at George Mason University is committed to upholding the letter and spirit of the laws that ensure equal treatment of people with disabilities. Under the administration of University Life, Disability Services implements and coordinates reasonable accommodations and disability-related services that afford equal access to university programs and activities. Students can begin the registration process with Disability Services at any time during their enrollment at George Mason University. If you are seeking accommodations, please visit <u>https://ds.gmu.edu/</u> for detailed information about the Disability Services registration process. Disability Services is located in Student Union Building I (SUB I), Suite 2500. Email: <u>ods@gmu.edu</u>. Phone: (703) 993-2474.

Student responsibility: Students are responsible for registering with Disability Services and communicating about their approved accommodations with their instructor *in advance* of any relevant class meeting, assignment, or exam.

FERPA and Use of GMU Email Addresses for Course Communication

The <u>Family Educational Rights and Privacy Act (FERPA)</u> governs the disclosure of <u>education records for eligible</u> <u>students</u> and is an essential aspect of any course. **Students must use their GMU email account** to receive important University information, including communications related to this class. Instructors will not respond to messages sent from or send messages regarding course content to a non-GMU email address.

Student responsibility: Students are responsible for checking their GMU email regularly for course-related information, and/or ensuring that GMU email messages are forwarded to an account they do check.

Title IX Resources and Required Reporting

As a part of George Mason University's commitment to providing a safe and non-discriminatory learning, living, and working environment for all members of the University community, the University does not discriminate on the basis of sex or gender in any of its education or employment programs and activities. Accordingly, **all non-confidential employees, including your faculty member, have a legal requirement to report to the Title IX Coordinator, all relevant details obtained directly or indirectly about any incident of Prohibited Conduct (such as sexual harassment, sexual assault, gender-based stalking, dating/domestic violence)**. Upon notifying the Title IX Coordinator of possible Prohibited Conduct, the Title IX Coordinator will assess the report and determine if outreach is required. If outreach is required, the individual the report is about (the "Complainant") will receive a communication, likely in the form of an email, offering that person the option to meet with a representative of the Title IX office.

For more information about non-confidential employees, resources, and Prohibited Conduct, please see <u>University Policy 1202</u>: Sexual and Gender-Based Misconduct and Other Forms of Interpersonal Violence. Questions regarding Title IX can be directed to the Title IX Coordinator via email to <u>TitleIX@gmu.edu</u>, by phone at 703-993-8730, or in person on the Fairfax campus in Aquia 373.

Student opportunity: If you prefer to speak to someone *confidentially*, please contact one of Mason's confidential employees in Student Support and Advocacy (<u>SSAC</u>), Counseling and Psychological Services (<u>CAPS</u>), Student Health Services (<u>SHS</u>), and/or the <u>Office of the University Ombudsperson</u>.

This document is updated annually and maintained by the <u>Stearns Center for Teaching and Learning</u>, in cooperation with GMU Faculty Senate Academic Policies Committee.