



SANTA CLARA UNIVERSITY  
SCHOOL OF  
EDUCATION &  
COUNSELING PSYCHOLOGY

## EDUC 251/276 - Technology for Teachers

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**Term:** Fall 2024

**Credits:** 3 units

**Course Day & Times:** ###

**Location:** ### (for online courses put Zoom link here)

### **Instructor Information**

**Name:** ### (pronouns)

**Contact Phone & Email :** ###; ###

**Office Location:** ###

**Office Hours:** ###

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### **Course Description**

This course is designed to acquaint teacher candidates with learning theories, practices, hardware, software applications, and web resources that are useful in integrating technology into the daily practice of K-12 teachers. The course meets the requirements identified in the technology standard for teacher preparation for the State of California. The guiding philosophy for the course is Constructivism. It is instantiated in the design of collaborative, project-based learning activities that capitalize on the full potential of educational technologies. Students will be expected to fully engage in classroom exercises, group projects, small and whole-class discussions on the assigned readings and activities.

### **Respect for Diversity**

It is my intent that students from all diverse backgrounds and perspectives be well served by this course, that students' learning needs be addressed both in and out of class, and that the diversity that students bring to this class be viewed as a resource, strength, and benefit. It is my intent to present materials and activities that are respectful of diverse identities (e.g., those based on gender, sexuality, disability, age, socioeconomic status, ethnicity, race, religion, and culture). Your suggestions are encouraged and appreciated. Please let me know ways to improve the effectiveness of the course for you personally or for other students or student groups. In addition, if any of our class meetings conflict with your religious events, please let me know so that we can make arrangements for you.

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### **Land Acknowledgment**

Santa Clara University occupies the unceded ancestral homeland of the Ohlone and Muwekma Ohlone people.

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## Mission and Goals of the Department of Education

Rooted in the Jesuit tradition at Santa Clara University, the mission of the Department of Education is to prepare professionals of competence, conscience, and compassion who will promote the common good as they transform lives, schools, and communities. Our core values of reflective practice, scholarship, diversity, ethical conduct, social justice, and collaboration guide both theory and practice.

Faculty, staff, and students in the Department of Education:

1. Make student learning our central focus

2. Engage continuously in reflective and scholarly practice
3. Value diversity
4. Become leaders who model ethical conduct and a commitment to social justice
5. Seek collaboration with others in reaching these goals

## MATTC Program Learning Goals (PLGs)

The PLGs represent SCU's Masters of Arts in Teaching and Teaching Credential (MATTC) program's commitment to individuals who earn their multiple or single subjects credential at Santa Clara University. The MATTC faculty focus on ensuring each student will begin their teaching career ready to:

1. Engage and Support All Students in Learning.
2. Create productive, supportive learning environments.
3. Teach for student understanding.
4. Make evidence-based instructional decisions informed by student assessment data.
5. Improve their practice through critical reflection and collaboration.
6. Apply moral and ethical principles in their professional practices.
- 7.

The PLGs guide our program. Therefore, all MS/SS teaching credential program course objectives are cross-referenced with the PLGs. (A fully elaborated version of the MS/SS PLGs can be found in the Teacher Candidate Handbook, Pre-Service Pathway.)

## Course Objectives

This course will develop students' knowledge of or skills related to:		Goals/Standards Addressed			
		DG #	PLG #	TPE #	MMSN TPE #
1	<i>Integrate</i> socio-constructivist learning principles when using technology	1	1, 2	3.8, 4.8	
2	<i>Design</i> learning experiences in collaboration with others that enhance student achievement through the use of technology	1	3	3.4	
3	<i>Select</i> from a variety of media types (text, graphics, audio, video, web) to <i>make student learning visible</i>	1, 3	2,3	1.7	
4	<i>Monitor</i> students' ability to communicate, collaborate, create, and think critically through effective and appropriate use of technology tools including the ability to use assistive	1, 5	1, 5	1.5, 3.6	

	technology, augmentative and alternative communication (AAC)				
5	<i>Use</i> appropriate technology tools that support the <i>design, implement, and interpretation formative and summative assessments</i> of student learning, including rubrics and electronic portfolios that develop accommodations and modifications that incorporate assistive technology	4	4	4.3	
6	<i>Explain</i> of the value of coding (programming) for students' development of thinking and problem-solving skills	1	3	1.5	
7	<i>Use</i> in their lesson/unit designs, appropriate technology tools, and resources, <i>informed by the Universal Design for Learning (UDL) framework</i> , to address the learning needs of all students, including unique learning, sensory and access needs of students with physical/orthopedic disabilities, other health impairments, and multiple disabilities	1, 3, 4	1	1.4, 4.4	
8	<i>Plan</i> professional development related to technology integration	2	5, 6		
9	<i>Demonstrate responsible use of technology</i> , awareness of safety and security issues when using technology, basic knowledge of copyright laws and why they are important, and the social, psychological, and ethical issues surrounding the role of technology in society	4	3, 6	3.7	
10	<i>Apply</i> the ISTE Standards: for Educators, TPACK frameworks, and RAT and PICRAT frameworks when evaluating and implementing technology to support student learning and literacy practices	1	2, 3, 4	3.3, 4.8, 7.9	

\***DG**=Department Goals; **PLG**=Program Learning Goal; **TPE**=Teaching Performance Expectation Standard; **MMSN TPE**=Mild Moderate TPEs

## Required Resources (including readings)

- *The K-12 Educational Technology Handbook*
- Other readings listed in the Course Outline section below.

## Graded Assignments

Assignment Title	Due Date	Points	TPEs Addressed	MMSN TPEs Addressed
1. Module 1 Discussion Board		10	3.8	
2. Module 2 Discussion Board		10	4.3, 4.4, 4.8	
3. Module 3 Discussion Board		10	3.7	
4. Module 4 Discussion Board		10	<b>1.4, 3.6</b>	2.1, 4.1
5. Module 5 Discussion Board		10	1.5, 1.7, 4.3, 4.4, 4.8	
6. Module 6 Discussion Board		10	1.5, 1.7, 3.3, 4.3, 4.4, 4.8	
7. Module 7 Discussion Board		10	4.3, 4.4, 4.8	
8. Module 8 Discussion Board		10	4.3, 4.4, 4.8	
9. Module 9 Discussion Board		5		
10. Multimedia Presentation of Tech Integration ( <i>Signature Assignment</i> )		45	1.4, 1.5, 1.7, 3.3, 3.4, 3.5, 3.7, 3.8, 4.3, 4.4, 4.8, 7.9	

Note: Descriptions and rubrics for major course assignments can be found on Camino.

## Grading Criteria

1. All written and oral assignments must reflect graduate-level standards. As a future teacher, you must be able to model communication skills for your students.
2. Attendance and participation in all class meetings is required. If you are going to be absent from class, you must notify the instructor of your absence. You will still be responsible for all missed content and in-class work (see Attendance Policy below for more details).
3. Letter grades are assigned based on overall percentage, as follows:

A	94-100%	C+	77-79%
A-	90-93%	C	74-76%
B+	87-89%	C-	70-73%
B	84-86%	D+	67-69%
B-	80-83%	D	63-66%

4. For assignments done in groups, all group members will receive the same grade, unless otherwise stated.
5. Final grades will reflect students' contributions (e.g., attendance, class discussions, quality of presentation, ability to lead discussion groups, completion and quality of course assignments), critical thinking and ability/degree to which student integrates theory, research and practice.
6. All assignments are expected to be submitted on their due dates. This is a professional preparation program. All assignments are expected to be submitted on their due dates. As a professional, if you need an extension be sure to reach out to your instructor at least five days prior to the due date. Unless you have made special arrangements beforehand, late assignments may receive at most a 10% penalty at the instructor's discretion.

## Course Outline

Week	Topic	Readings & Relevant Activities	Assignments
1 Week of Sept 23	Introduction, Standards, and Social Constructivism	<ul style="list-style-type: none"> <li>• ISTE Standards for Educators and the ISTE Standards for Students</li> <li>• Bloom's Digital Taxonomy Web Tools</li> </ul> <p>Watch Bloom's Taxonomy, View Bloom's Digital Taxonomy Infographic (scroll down page to view complete infographic)</p>	<p>Icebreaker</p> <ul style="list-style-type: none"> <li>• Welcome video (Animoto)</li> <li>• E-Timeline (Timetoast)</li> <li>• Technology Proficiency Survey for Educators</li> <li>• Padlet board</li> <li>• Exit Ticket: Tweet it. Create a Twitter handle that best describes how you are feeling after completing your first online session and post it to the Padlet board.</li> </ul>
2 Week of Sept 30	Foundations of Technology Integration	<ul style="list-style-type: none"> <li>• The RAT Technology Integration Model</li> <li>• The PICRAT Technology Integration Model</li> </ul>	<ul style="list-style-type: none"> <li>• TPACK Game</li> <li>• TPACK Activity</li> <li>• PIC and PIC RAT Activity</li> </ul>

		<ul style="list-style-type: none"> <li>• TPACK from the EdTechnica: The Open <i>Encyclopedia of Educational Technology</i></li> </ul> <p>Watch What is the TPACK Model</p> <p>Watch Understanding Educational Technology: The RAT and PICRAT Models</p> <p>Download the Practitioner's Guide to TPACK</p>	<ul style="list-style-type: none"> <li>• Exit Ticket</li> </ul>
3 Week of Oct 7	Legal, Ethical, and Socially Responsible Use of Technology	<ul style="list-style-type: none"> <li>• 3.1, Copyright and Open Licensing and 3.4 Online Safety from <i>The K-12 Educational Technology Handbook</i></li> <li>• Copyright and Fair Use Guidelines for Teachers</li> <li>• Copyright and Fair Use</li> </ul> <p>Guidelines for School Projects</p>	<p>Crossword Puzzle Labs</p> <ul style="list-style-type: none"> <li>• Canva</li> <li>• QR Code Generator (Google)</li> <li>• Padlet</li> <li>• Exit Ticket</li> </ul>
4 Week of Oct 14  (Async)	Universal by Design Learning (UDL) and Assistive Technology	<ul style="list-style-type: none"> <li>• 3.5 Universal Design for Learning: Teacher Planning for Technology Integration from <i>The K-12 Educational Technology Handbook</i>.</li> </ul>	<ul style="list-style-type: none"> <li>• Avatar (Voki)</li> <li>• Screen capture video (Snagit)</li> <li>• e-Graphic Organizer (Coggle, bubbl, mindmeister, popplet)</li> <li>• Exit Ticket</li> </ul>
5 Week of	Socio Emotional Learning	<ul style="list-style-type: none"> <li>• What is Socio Emotional Learning (SEL): Why it Matters</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion Board posts and Interaction</li> </ul>



Oct 21		<ul style="list-style-type: none"> <li>• Social Emotional Learning Activities for Online Teaching</li> <li>• Social Emotional Learning Activities for Online Teaching</li> <li>• 3 steps to embed lessons on social-emotional learning</li> </ul>	<ul style="list-style-type: none"> <li>• Exit Ticket</li> </ul>
6 Week of Oct 28 <b>(Async)</b>	Culturally Responsive Teaching	<ul style="list-style-type: none"> <li>• How to Develop Culturally Responsive Teaching for Distance Education</li> <li>• Using Arts Integration to Enhance Common Core</li> <li>• 10 Quick Ways to Analyze Children's Books for Racism and Sexism</li> <li>• UCLA Culturally Responsive Teaching Reimagining Migration Checklist</li> <li>• Teacher Competencies That Promote Culturally Responsive Teaching</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion Board posts and Interaction</li> <li>• Word Cloud Art (WordArt, Wordclouds, Worditout, tagxedo)</li> <li>• Exit Ticket</li> </ul>
7 Week of Nov. 4	Gamification	<ul style="list-style-type: none"> <li>• Gamification: Taking Your Teaching to the Next Level: A Guide for Gamifying your Classroom from <i>The K-12 Educational Technology Handbook</i></li> </ul> <p>Watch</p> <ul style="list-style-type: none"> <li>• Genially for Teachers</li> <li>• Five Ways to Gamify Class</li> </ul>	<p>Pinterest board</p> <ul style="list-style-type: none"> <li>• Google Earth</li> <li>• Game creation (Genially)</li> <li>• Exit Ticket</li> </ul>

		<ul style="list-style-type: none"> <li>• Ditch that Textbook</li> </ul>	
8 Week of Nov. 11  <b>(Async)</b>	Artificial Intelligence	<ul style="list-style-type: none"> <li>• 30 AI tools for the Classroom</li> <li>• Teachers Need PG on Artificial Intelligence. What It Should Look Like</li> <li>• What Educators- and Students- Can Learn from ChatGPT</li> <li>• AI Literacy Explained</li> <li>• ChatGPT in Education: The Pros, Cons and Unknowns of Generative AI</li> </ul>	<ul style="list-style-type: none"> <li>• e-Book (Book Creator)</li> <li>• Exit Ticket</li> </ul>
9  Week of Nov. 18	Multimedia Presentation of Technology Integration		<ul style="list-style-type: none"> <li>• Signature Assignment</li> <li>• Exit Ticket</li> </ul>
10  Week of Dec 2	Presentations		<ul style="list-style-type: none"> <li>• Peer Review (Camino)</li> <li>• Exit Ticket</li> </ul>

## Professional Conduct Expectations

### **Attendance & Punctuality**

Regular attendance at all class meetings is a requirement in this program. Ten percent will be deducted from your final grade for the course for each unexcused class session you missed. Each student will be granted one Emergency Release (ER) per course. Your ER excuses you from one class session. To use your ER you must notify the instructor by email or phone BEFORE class. Save your ER for medical issues, family demands, car trouble, etc.

Students will not be penalized for absences due to the observance of religious holidays that fall on our scheduled class day; please give the instructor advance notice of these absences so they can make the necessary accommodations.

Coming to class (and returning from breaks) on time is another course requirement. Your first unexcused lateness will have no consequences, and subsequent unexcused lateness may result in a 1% reduction in overall grade for each instance.

Note: Points lost due to poor attendance and/or lack of punctuality will be deducted from your final grade. A student with excellent grades on assignments and other aspects of professional conduct can earn a poor course grade as a result of excessive absence or chronic tardiness.

### **Participation**

Your participation in whole class discussions and group work is essential for the success of this course. We, as educators committed to equitable education, will engage in respectful, thoughtful participation in class activities and discussion. To fully participate in the course activities, the assignments must be completed before the class session in which they are due. The quality of our class sessions and the depth of your learning depend directly on your prepared participation.

While class is in session, you should not engage in any activity not directly related to what is taking place in the classroom. Instructors reserve the right to ask you to close your laptop or put away some other form of technology at their discretion; when/if this occurs, please respond quickly and without protest to avoid further disruption of the class's learning. Instructors also reserve the right to ignore your inappropriate use of technology in class and simply deduct points from your final grade. If you would like more detailed clarification about the expectations regarding appropriate and inappropriate in-class technology use, please feel free to contact your instructor for further information.

### **Communication**

Email using our SCU email address will be our primary means of communication outside of class. You must check your SCU email and our course's Camino site every day to ensure you maintain a connection with the course content, your classmates, and your instructor

## Academic Integrity

The Academic Integrity pledge is an expression of the University's commitment to fostering an understanding of— and commitment to—a culture of integrity at Santa Clara University. The Academic Integrity pledge, which applies to all students, states:

I am committed to being a person of integrity. I pledge, as a member of the Santa Clara University community, to abide by and uphold the standards of academic integrity contained in the Student Conduct Code.

Academic integrity is part of your intellectual, ethical, and professional development. I expect you to uphold the principles of this pledge for all work in this class. I will clarify expectations on academic integrity -- including the use of AI tools such as ChatGPT and course sharing sites for all assignments and exams in this course. If you have questions about what is appropriate on any assignment, please let me know before you hand in work. For more resources about ensuring academic integrity in your work, see this [LibGuide on Academic Integrity](#).

If an instructor has reason to feel you are not meeting all the expectations as outlined in the syllabus, they will contact you privately to discuss the issue, to clarify the expectations as needed, and to offer their support in helping you reach those expectations. If your instructor does not contact you with a concern, you can assume you are satisfying these requirements. However, if you would like specific feedback on your professional conduct during the quarter, you are welcome to contact your instructor at any time and s/he will be glad to share their assessment with you.

## Policies, Resources & Accommodations

### Discrimination, Harassment, and Sexual Misconduct (Title IX)

Santa Clara University is committed to providing all students with a safe learning environment free of all forms of discrimination, sexual harassment, and sexual violence.

Please know that as a faculty member, California law SB 493 requires me to report any information brought to my attention about incidents of sexual harassment or misconduct to the SCU [Equal Opportunity and Title IX Office](#) (408) 551-3043. This includes, but is not limited to, disclosures in writing assignments, class discussions, and one-on-one conversations.

Should you need support, SCU has dedicated staff trained to assist you in navigating campus resources, accessing health and counseling services, providing academic and housing accommodations, helping with legal protective orders, and filing a formal complaint with the University or with law enforcement. Please see the [Student Resources](#) page for more information about reporting options and resources.

If you or someone you know has experienced sexual harassment or sexual violence and wishes to speak to a confidential resource who is not required to report, please contact one of the following SCU resources for support:

- [SCU Wellness Center](#)
- [CAPS](#)

- Any individual (clergy, counselors) acting in a professional capacity for which confidentiality is mandated by law

I am happy to help connect you with any of these resources.

### **Accommodations for Pregnant and Parenting Students**

Santa Clara University does not discriminate against any student on the basis of pregnancy or related medical conditions. Absences due to medical conditions relating to pregnancy and childbirth will be excused for as long as deemed medically necessary by a student's doctor, and students will be given the opportunity to make up missed work. Students needing accommodations can often arrange accommodations by working directly with their instructors, supervisors, or departments. Students needing accommodations can also seek assistance with accommodations from the Office of Accessible Education (OAE) or from the Office of Equal Opportunity and [Title IX Office](#). This [resource page](#) from Title IX provides information for students and faculty regarding pregnancy rights.

### **Office of Accessible Education**

If you have a documented disability for which accommodations may be required in this class, please contact the Office of Accessible Education [oae@scu.edu](mailto:oae@scu.edu), <https://www.scu.edu/oae> as soon as possible to discuss your needs and register for accommodations with the University. If you have already arranged accommodations through OAE, please be sure to request your accommodations through your my OAE portal and discuss them with me during my office hours within the first two weeks of class. To ensure fairness and consistency, individual faculty members are required to receive verification from the Office of Accessible Education before providing accommodations. OAE will work with students and faculty to arrange proctored exams for students whose accommodations include double time for exams and/or assistive technology.

Students with approved accommodations of time and a half should talk with me as soon as possible. The Office of Accessible Education must be contacted in advance (at least two weeks' notice recommended) to schedule proctored examinations or to arrange other accommodations.

In light of shifting health advisories related to COVID-19, exams may be administered online. Students with approved testing accommodations should contact me (at least two weeks' notice recommended) prior to the exam date to notify me of their intent to use their testing accommodations on the upcoming exam to ensure their accommodations are effectively implemented.

### **Safety Measures**

In order to meet our learning objectives, we will adhere to the highest standards for safety and mutual respect. University policy allows faculty to require the use of face coverings in their classrooms. I may request that students wear face coverings occasionally or throughout the academic term. Failure to comply with my request is a violation of the [Student Conduct Code](#), which I will need to report.

### **Use of Classroom Recordings**

All online class meetings will be recorded and made available on Camino. As is stated in the [Student Conduct Code](#): “...Dissemination or sharing of any classroom recording without the permission of the instructor would be considered “misuse” and, therefore, prohibited. Violations of these policies may result in disciplinary action by the University. At the instructor’s discretion, violations may also have an adverse effect on the student’s grade.”

### **Copyright Statement**

Materials in this course are protected by the United States copyright laws. I am the copyright holder of the materials I create, including notes, handouts, slides, and videos. You may make copies of course materials for your own use and you may share the materials with other students enrolled in this course. You may not publicly distribute the course materials without my written permission.

### **Technology Support**

Course materials and online activities will be available on SCU’s Canvas learning management system (also known as Camino). Course reminders, readings, and assignments will be available through Camino. SCU can provide you with technical assistance, and you can also reach out to our providers directly for questions. For Camino support, contact [caminosupport@scu.edu](mailto:caminosupport@scu.edu) or call 408-551-3572.

You can also find support resources via the help button within the Camino platform (on the left-hand navigation) to access after-hours support via email, chat, or phone.

For Zoom assistance, contact Media Services at [mediaservices@scu.edu](mailto:mediaservices@scu.edu) or 408-554-4520. You can also get support from the [SCU website](#) or the [Zoom Help Center](#) website.

For SCU network and computing support, contact the SCU Technology Help Desk at [techdesk@scu.edu](mailto:techdesk@scu.edu) or 408-554-5700. They can provide support for MySCU Portal, Eduroam, Duo, hardware and software issues, and more.

In addition to the required syllabus statements above, statements addressing diversity, equity and inclusion, and student wellness such as those below are strongly recommended.

### **Wellness**

I know you will do the best you can in this class (and all of your classes); however, it should never be at the expense of your own mental and physical health and your overall well-being. Jesuit education is grounded in *cura personalis*, concern for the whole person—mind, body, and spirit. What does this mean for you? Be kind to others, and more importantly, be kind to yourself. Attend to your sleep (quantity and quality); drink lots of water; move; get outside; and pay attention to beauty that isn’t coming to you on a screen. Eat good food, laugh, enjoy friends and family, look for opportunities to connect with others in new ways, pray, meditate, or otherwise attend to your spirit. And ask for help, even if you don’t think you need it. Lots of folks, including me, are here to support you. It’s never too late to reach out, and I am committed to helping you.

SCU has many resources and programs to support you. These resources may be especially helpful:

### ***Wellness Center***

The Wellness center (<https://www.scu.edu/wellness>) provides resources to aid and promote student well-being across the eight dimensions of wellness, including student peer groups for healthful living, violence prevention, and recovery.

### ***CAPS***

Santa Clara students are provided confidential counseling sessions at no cost through Counseling and Psychological Services (CAPS; <https://www.scu.edu/cowell/counseling-and-psychological-services-caps/>). Students have access to clinically appropriate, short-term therapy; group therapy; and other resources for care. A new 24/7 support line is also available: 408-554-5220.

### ***SCU Culture of Care***

If you are concerned for the mental or physical welfare of one of your peers, the [Office of Student Life Culture of Care](#) website provides resources for recognizing and helping someone in distress.

### ***Academic Concerns***

If you are concerned with your progress in this class, please contact me so that we can find solutions together. [Drahmann Center](#) can also offer support with issues regarding your academic progress more broadly.

SCU also has multiple options for free academic tutoring. Students can make appointments to discuss work in a range of courses:

- [Drahmann Tutoring](#) (for many courses in the College of Arts & Sciences including Natural Sciences, Modern Languages, Economics, and Computer Science)
- [The HUB Writing Center](#) (Writing and Public Speaking)

### ***Gender Inclusive Language***

This course affirms people of all gender expressions and gender identities. If you go by a name different from what is on the class roster, please let me know. Using correct gender pronouns is important to me, so I encourage you to share your pronouns with me and correct me if I make a mistake. If you have any questions or concerns, please do not hesitate to contact me. For more on personal pronouns see [www.mypronouns.org](http://www.mypronouns.org)