

**California State University San Marcos
College of Education**

**EDUC 422B – Technology and Learning B
Educational Technology Basics (one unit course)
Spring 08**

Instructor: Jeffery Heil
Classroom: Academic Hall 211
Office Hours: Before or after class or by appointment.
Email: jheil@csusm.edu
CRN: 21579
Meeting Days: meets Friday, Mar 21 (5:00- 9:50 PM) & Saturday, Mar 22 (8:00 - 5:50 PM) Late assignments will not be accepted after April 15. Due dates will be posted in WebCT.

College of Education Mission Statement

The mission of the College of Education Community is to collaboratively transform public education by preparing thoughtful educators and advancing professional practices. We are committed to diversity, educational equity, and social justice, exemplified through reflective teaching, life-long learning, innovative research, and ongoing service. Our practices demonstrate a commitment to student-centered education, diversity, collaboration, professionalism, and shared governance.
(Adopted by the COE Governance Community October, 1997)

Description

This one-unit course partially fulfills the technology competencies as identified by the California Commission on Teacher Credentialing (CCTC) and the College of Education's Teacher Performance Expectations (TPEs) in technology, and is being considered for satisfying the Computer Integration Requirement (CIR) for the Liberal Studies Program. This course is designed for teacher candidates who have met the campus-wide Computer Competency Requirement (CCR) and anticipate entrance into the teacher preparation program.

This course sets the stage for addressing the standards in the credential program through exploration of Technology Operations and Concepts, Productivity and Professional Practice and Social Ethical, Legal and Human Issues. This course prepares teacher candidates to apply specific educational technology-based applications in methods courses for implementation in teaching and learning with students as well as to their own

professional growth. When entering the teacher education program, College of Education faculty assume teacher candidates have competency in the applications covered in this course, and, therefore, will make assignments requiring teacher candidates to apply these skills. **Students are required to complete the additional two one-unit technology components of 422 (b and c) in addition to successful completion of this course or provide evidence through the waiver process posted on the College of Education web site.**

Teacher Performance Expectation (TPE) Competencies

This course is designed to help teachers seeking the Multiple and Single Subjects Credential to develop the skills, knowledge, and attitudes necessary to assist schools and districts in implementing an effective program for all students. The successful candidate will be able to merge theory and practice in order to realize a comprehensive and extensive educational program for all students. The following TPEs are addressed in this course:

- Primary Emphasis

TPE 14 CSUSM Educational Technology (Based on ISTE NETS: see below)

- Secondary Emphasis:

TPE 4 - Making Content Accessible

TPE 5 - Student Engagement

TPE 6 - Developmentally Appropriate Teaching Practices

TPE 7 - Teaching English Language Learners

TPE 12 - Professional, legal and ethical

TPE 13 - Professional Growth

National Educational Technology Standards for Teachers (NETS-T)

Teaching Performance Expectation (TPE 14) is based on ISTE NETS (See cnets.iste.org) for detailed information). This course focuses primarily on ISTE NETS I, V, and VI and secondary emphasis on ISTE NETS II, III and IV.

I. TECHNOLOGY OPERATIONS AND CONCEPTS.

Teachers demonstrate a sound understanding of technology operations and concepts. Teachers:

- A. Demonstrate introductory knowledge, skills, and understanding of concepts related to technology (**as described in the ISTE National Education Technology Standards for Students**).
- B. **Demonstrate continual growth in technology knowledge and skills to stay abreast of current and emerging technologies.**

II. PLANNING AND DESIGNING LEARNING ENVIRONMENTS AND EXPERIENCES.

Teachers plan and design effective learning environments and experiences supported by technology. Teachers:

- A. design developmentally appropriate learning opportunities that apply technology-enhanced instructional strategies to **support the diverse needs of learners**.
- B. **apply current research on teaching and learning with technology when planning learning environments and experiences**.
- C. **identify and locate technology resources and evaluate them** for accuracy and suitability.
- D. plan for **the management of technology resources** within the context of learning activities.
- E. plan strategies to **manage student learning** in a technology-enhanced environment.

III. TEACHING, LEARNING, AND THE CURRICULUM.

Teachers implement curriculum plans that include methods and strategies for applying technology to maximize student learning. Teachers:

- A. **facilitate technology-enhanced experiences that address content standards** and student technology standards.
- B. use technology to **support learner-centered strategies** that address the diverse needs of students.
- C. apply technology to **develop students' higher order skills** and creativity.
- D. **manage student learning activities** in a technology-enhanced environment.

IV. ASSESSMENT AND EVALUATION.

Teachers apply technology to facilitate a variety of effective assessment and evaluation strategies. Teachers:

- A. **apply technology in assessing** student learning of subject matter using a variety of assessment techniques.
- B. use technology resources to collect and analyze data, interpret results, and communicate findings to improve instructional practice and maximize student learning.
- C. apply multiple methods of evaluation to determine students' appropriate use of technology resources for learning, communication, and productivity.

V. PRODUCTIVITY AND PROFESSIONAL PRACTICE.

Teachers use technology to enhance their productivity and professional practice. Teachers:

- A. Use technology resources to engage in **ongoing professional development** and lifelong learning.
- B. Continually evaluate and reflect on professional practice to **make informed decisions** regarding the use of technology in support of student learning.
- C. Apply technology to **increase productivity**.
- D. Use technology to **communicate and collaborate** with peers, parents, and the larger community in order to nurture student learning.

VI. SOCIAL, ETHICAL, LEGAL, AND HUMAN ISSUES.

Teachers understand the social, ethical, legal, and human issues surrounding the use of technology in PK-12 schools and **apply those principles in practice**. Teachers:

- A. Model and teach legal and **ethical practice** related to technology use.
- B. Apply technology resources to enable and **empower learners** with diverse backgrounds, characteristics, and abilities.

- C. Identify and use **technology resources that affirm diversity**.
- D. Promote **safe and healthy use** of technology resources.
- E. Facilitate **equitable access** to technology resources for all students.

Course Objectives

Teacher candidates will demonstrate competency in:

- A. Meeting the ISTE standards I, V, and VI outlined above;
- B. Approaching the ISTE standards II, III, and IV outlines above.

Prerequisites

The prerequisite for this course is completion of the campus-wide computer competency requirement. This can be fulfilled by successful completion of one of the following:

- Taking the CSUSM CCR assessment or equivalent course OR
- Completion of an approved computer literacy course at the community college level.
- Teacher assessment tool during 1st class meeting.

Required Supplies

NOTE: It is not necessary to purchase the educational software, as much of the specific software titles are available on the Web in demo-version. **Students are responsible for saving backup copies of all assignments. All word-processed documents must be saved in Microsoft Word format, available on all campus computers.**

- A. ISTE Student Membership: (www.iste.org) (\$54.00). **Must** be purchased first week of class. This is used in place of a textbook. Proof of membership is required to pass the course.
- B. Taskstream Account: www.taskstream.com (\$25 for one semester, may be purchased for longer as this will be used in the CSUSM credential programs).
- C. USB key-drive (256MB or more)
- D. Use of campus email account and WebCT for course communication (provided free).
- E. Print Card: Purchase on Campus.

In order to successfully complete this course, **all assignments** must be completed at an acceptable level noted on assignment rubrics and the student must earn a C+ or better in the course. In addition to the assignments described below, performance assessment on the teacher candidate's ability to perform tasks using the software will be assessed. Because the content of this course contributes to passage of multiple TPEs, successful completion is imperative. Failure to successfully complete this course will prohibit a teacher candidate from continuing in the program beyond the first semester. The percentage of weight of each assignment is noted next to the description of the topic.

COE Attendance Policy

*Due to the dynamic and interactive nature of courses in the College of Education, all students are expected to attend all classes and participate actively both in class and online. At a minimum, students must attend more than 80% of class time, or s/he **may not receive a passing grade** for the course at the discretion of the instructor. In 422B, it is essential that students attend all class face-to-face sessions. Should the student have extenuating circumstances, s/he should contact the instructor as soon as possible. Students must also **log into WEbCT every 3 days** at a minimum during the time the course is in progress. Announcements and communication in WebCT is critical to success.*

A good student is one who adheres to standards of dependability and promptness. If more than two hours of class sessions are missed or there is tardiness (or leave early) the teacher candidate cannot receive an A.

Policy on Late Work

Late assignments will be penalized by a 5% deduction in points for each weekday late. After one week, late assignments receive no credit. If extraordinary circumstances occur, communicate immediately with the instructor. Remember that communication is the key to success.

In addition to attending course sessions, each student will be required to complete lab assignments each week. Some of the course assignments require students to use campus resources. All students must plan time they can work in labs on campus at least once per week in addition to class time. Students are required to check campus resources and availability of labs. Mac computers are located in UH 271, ACD 211, and Kellogg Library (2nd floor). Students are required to use campus issued-email accounts and check email and WebCT at least two times per week to communicate with instructor and peers.

CSUSM Academic Honesty Policy

“Students will be expected to adhere to standards of academic honesty and integrity, as outlined in the Student Academic Honesty Policy. All written work and oral presentation assignments must be original work. All ideas/materials that are borrowed from other sources must have appropriate references to the original sources. Any quoted material should give credit to the source and be punctuated with quotation marks.

Students are responsible for honest completion of their work including examinations. There will be no tolerance for infractions. If you believe there has been an infraction by someone in the class, please bring it to the instructor's attention. The instructor reserves the right to discipline any student for academic dishonesty in accordance with the general rules and regulations of the university. Disciplinary action may include the lowering of grades and/or the assignment of a failing grade for an exam, assignment, or the class as a whole.”

Incidents of Academic Dishonesty will be reported to the Dean of Students. Sanctions at the University level may include suspension or expulsion from the University.

Plagiarism:

As an educator, it is expected that each student will do his/her own work, and contribute equally to group projects and processes. Plagiarism or cheating is unacceptable under any circumstances. If you are in doubt about whether your work is paraphrased or plagiarized see the Plagiarism Prevention for Students website <http://library.csusm.edu/plagiarism/index.html>. If there are questions about academic honesty, please consult the University catalog.

Authorization to Teach English Language Learners

The CSUSM credential program has been specifically designed to prepare teachers for the diversity of languages often encountered in California public school classrooms. The authorization to teach English learners is met through the infusion of content and experiences within the credential program as well as additional coursework. Students successfully completing this program receive a credential with authorization to teach English learners. (Approved by CCTC in SB2042 Program Standards, August 2002)

Disabled Student Services

Students with disabilities who require academic accommodations must be approved for services by providing appropriate and recent documentation to the Office of Disabled Student Services (DSS). This office is located in Craven Hall 5205 and can be contacted by phone at (760)750-4905, or TDD (760)750-4909. Students authorized by DSS to receive accommodations should meet with the instructor during office hours or by appointment.

Writing Requirement

The CSUSM writing requirement of 2500 words is met through the completion of course assignments. Therefore, all writing will be looked at for content, grammar, spelling and format.

Assignments and Assessment

In order to successfully complete this course, the assignments must be completed at an acceptable level noted on assignment requirements and project rubrics. In addition to the assignments described below, performance assessment on the teacher candidate's ability to perform tasks using the software will be assessed. Because the content of this course contributes to passage of multiple TPEs, successful completion is imperative. Failure to successfully complete this course will prohibit a teacher candidate from continuing in the program beyond the first semester. The percentage of weight of each assignment is noted next to the description of the topic below.

EDUC 422B Course Assignments and Weight for Course Grades

Assignment	Description <i>Note: All assignments must be submitted to receive a passing grade.</i>	Percent of Grade
Concept Map Web 2.0 Inspiration	This project involves the use of concept-mapping software for brainstorming an educational topic using text and graphics. The activity will provide an opportunity to consider this application for support of writing with students in K-12 classrooms.	10
Collaborative Wiki/Wetpaint	This project uses a wiki to create an activity for students to explore concepts related to content area, diversity and inclusion, and English Learner resources. Each student will pick a grade range for which they would like to teach and create a collaborative web resource.	10
Collaborative Copyright with Google Docs	The purpose of this assignment is to become familiar with software copyright laws. Students will collaborate in creating a document that addresses copyright laws and how they will relate to their future classrooms	10
Taskstream	Students will become familiar with TaskStream as portfolio tool, then summarize ISTE NETS for students and teachers, and become familiar with technology proficiency for the grade range for which they wish to teach.	5
iMovie Software Proficiency	Students will create a 30-sec to 1 minute movie to demonstrate proficiency in video editing software.	10
Journal 6-10	Students reflect on course readings and activities from the website that support concepts related to the ISTE standards. Entries are made to the journal throughout the course and are submitted near the end of the course for credit in Taskstream Online Portfolio	15
Software Reviews & Web 2.0	This project involves reviewing 2 to educational software from a educational software company and posting the finding on the journal blog. Also, student will join Classroom 2.0 and reflect on a current emerging technology tool and respond to peers.	20
Attendance & Participation	Teacher candidates are expected to have a positive disposition toward teaching and learning. They should help each other and create a positive classroom environment for everyone. This means having a positive attitude in class, being on time and actively engaged in discussions and activities both in class and online.	20
	Total	100%
<p>All assignments, requirements, due dates and scoring rubrics will be available through WebCT. Students are required to check assignment details in WebCT. Students must plan lab time on campus for using special programs and be able to access the Internet regularly to complete course assignments either on campus or another location.</p>		

Grading Procedures And Assignments

Grading is calculated on the standard of

94 - 100 = A	80 - 83 = B-	70 - 73 = C-
90 - 93 = A-	77 - 79 = C+	60 - 69 = D
87 - 89 = B+	74 - 76 = C	below 60 = F
84 - 86 = B		

<p style="text-align: center;">PART 1:</p> <p style="text-align: center;">LANGUAGE STRUCTURE AND FIRST- AND SECOND-LANGUAGE DEVELOPMENT</p>	<p style="text-align: center;">PART 2:</p> <p style="text-align: center;">METHODOLOGY OF BILINGUAL, ENGLISH LANGUAGE DEVELOPMENT, AND CONTENT INSTRUCTION</p>	<p style="text-align: center;">PART 3:</p> <p style="text-align: center;">CULTURE AND CULTURAL DIVERSITY</p>
<p>I. Language Structure and Use: Universals and Differences (including the structure of English)</p>	<p>I. Theories and Methods of Bilingual Education</p>	<p>I. The Nature of Culture</p>
<p>A. The sound systems of language (phonology)</p>	<p>A. Foundations</p>	<p>A. Definitions of culture</p>
<p>B. Word formation (morphology)</p>	<p>B. Organizational models: What works for whom?</p>	<p>B. Perceptions of culture</p>
<p>C. Syntax</p>	<p>C. Instructional strategies</p>	<p>C. Intra-group differences (e.g., ethnicity, race, generations, and micro-cultures)</p>
<p>D. Word meaning (semantics)</p>	<p>II. Theories and Methods for Instruction In and Through English</p>	<p>D. Physical geography and its effects on culture</p>
<p>E. Language in context</p>	<p>A. Teacher delivery for <u>both</u> English language development <u>and</u> content instruction</p>	<p>E. Cultural congruence</p>
<p>F. Written discourse</p>	<p>B. Approaches with a focus on English language development</p>	<p>II. Manifestations of Culture: Learning About Students</p>
<p>G. Oral discourse</p>	<p>C. Approaches with a focus on content area instruction (specially designed academic instruction delivered in English)</p>	<p>A. What teachers should learn about their students</p>
<p>H. Nonverbal communication</p>	<p>D. Working with paraprofessionals</p>	<p>B. How teachers can learn about their students</p>
<p>I. Language Change</p>		<p>C. How teachers can use what they learn about their students (culturally responsive pedagogy)</p>
<p>II. Theories and Factors in First- and Second-Language Development</p>	<p>III. Language and Content Area Assessment</p>	<p>III. Cultural Contact</p>
<p>A. Historical and current theories and models of language analysis that have implications for second- language development and pedagogy</p>	<p>A. Purpose</p>	<p>A. Concepts of cultural contact</p>
<p>B. Psychological factors affecting first- and second-language development</p>	<p>B. Methods</p>	<p>B. Stages of individual cultural contact</p>
<p>C. Socio-cultural factors affecting first- and second-language development</p>	<p>C. State mandates</p>	<p>C. The dynamics of prejudice</p>
<p>D. Pedagogical factors affecting first- and second-language development</p>	<p>D. Limitations of assessment</p>	<p>D. Strategies for conflict resolution</p>
<p>E. Political factors affecting first- and second-language development</p>	<p>E. Technical concepts</p>	<p>IV. Cultural Diversity in U.S. and CA.</p>
		<p>A. Historical perspectives</p>
		<p>B. Demography</p>
		<p>C. Migration and immigration</p>