

CEL 595 Special Topics: Integrating Technology in the K-12 Classroom

Academic semester and year: Offered every semester
Instructor of record: Dr. Susan Ceppi-Bussmann
This course will be taught by RETA Instructors

Contact: RETA Project Office reta@nmsu.edu or toll-free 1.800.821.1574 for more information or if you have questions.

Course overview

Integrating Technology in the K-12 Classroom consists of a series of workshops (48 hours) modeling effective technology integration in K-12 classrooms. Participants engage in hands-on technology-enhanced activities in the context of standards-based curriculum while learning skills and strategies. At the workshops participants reflect and discuss their experiences and help each other with the integration of technology into teaching and learning. Instructors customize the sessions to better meet the needs and participants' teaching contexts.

Course objectives

Upon completion of the workshops, participants will be able to:

- Demonstrate skills with programs such as Excel, Kidspiration/Inspiration etc.
- Research and locate resources on the Internet
- Operate digital cameras, scanners, etc.
- Demonstrate an expanded awareness of different learning technologies and how to use them in teaching and learning
- Manage different technology-enhanced learning environments
- Integrate technology-enhanced activities in the classroom
- Assess technology-enhanced learning activities in the classroom
- Integrate technology to support student attainment of standards
- Reflect and share with peers instructional strategies and activities
- Create rubrics
- Create standards-based lesson plans/projects enhanced with technology
- Implement standards-based lesson plans/projects enhanced with technology
- Evaluate technology-enhanced lesson plans/projects

Prerequisites

- There are no prerequisites for this course

Computer requirements

Hardware

- Internet access
- Digital camera (optional)
- Scanner (optional)
- Digital video camera (optional)

Software

- Word, Excel, PowerPoint, Kidspiration/Inspiration/InspireData
- Web development software (might apply)*
- Desktop publishing software (might apply)*
- Video editing software (might apply)*
- Adobe Acrobat Reader (free download from <http://www.adobe.com>)

Some software files are extremely large and may take considerable time to download and install. It is strongly recommended that software be installed before the workshops begin.

Learning theory and instructional methods

The design of RETA workshops is based on elements of cognitive and constructivist learning theories. Teaching strategies in support of those theories that are used in the workshops include: providing examples to strengthen conceptual learning, using group work to build community, and maintaining ongoing discussions for knowledge construction. Further application of cognitive and constructive theories include the use of research-based best teaching practices in the instructional design of the workshops to provide models that are standards-based, content-driven, collaborative, application and presentation oriented, with shared assessment

Course assignments

Assignments at the workshops include participation in discussions, skill practice, product creation, and sharing. Assignments in between workshops include application in the classroom, reflection on these experiences, and sharing skills/strategies with peers.

Participants will provide evidence of the integration of technology into student learning activities as well as evidence of their own use of technology to enhance their instructional practice. Student products need to demonstrate their use of technology as productivity, creativity, and/or thinking tools.

Attendance Policy

Participants must attend at least 5 workshops to earn points towards the final grade. See course rubric. Make sure you sign the workshop attendance sheet for every workshop you attend. Attendance at one workshop with another RETA workshop group will count as a makeup workshop. Only one makeup workshop will count. In order to receive credit for attending a makeup workshop sign the workshop attendance sheet and include the group number and instructors for your regular or home workshop group. Let the makeup workshop instructors know you are attending their workshop as a makeup workshop.

Assessment

Satisfactory completion of this course is based upon attendance, participation, timely completion of projects, the final presentation, quality of the final product, level of collaboration, and contribution to discussions. Participants will assess themselves, their peers, and be evaluated by their instructor team.

Assessment Criteria	Points
Workshop Attendance	20
Timely Completion of Session Projects	25
Final Project and Presentation	25
Collaboration	15
Discussions and Participation	15
Total	100

Grades

Participants taking this workshop for credit will use the following table for the workshop point scale and letter grade.

Points earned Letter grade

90 – 100	A
80 – 89	B
70 – 79	C
60– 69	D
0 – 59	F
