



Ottawa  University

EDU 67201AA

Secondary Computer Science Methods

The following is the syllabus for the graduate course at Ottawa University. The syllabus is aligned to the [appropriate state/national standards to which the course applies] and Arizona State Teacher Standards.

Course Description:

Required for the Computer Science endorsement. Will prepare you to teach computer science in Secondary schools.

Spring 2010

May be taken for 2 or 3 credit hours

Location: Chandler

Attendance: Attendance is mandatory at all class sessions.

Instructor: Michael Mann, teacherz@cox.net, (480) 6649161

Course Materials:

All necessary course material is posted online at: www.azteacher.net/ottawa .

Course Objectives:

Instruction and practice will focus on:

- Use of *Microsoft Office Applications*
- Integration of technology into the secondary school curriculum
- Using web based resources (*Google Apps*)
- Sharing of ideas for student projects

Course Methods and Procedures:

Students will be guided through a variety of hands on activities that will give them the skills necessary to design lesson plans using a variety of *Microsoft* and *web based* applications.

Course Outline:

- Review ways to use the Internet as a resource for covering the State Secondary Education Curriculum Standards.
- Explore Google Apps.
- Review ways to use *Microsoft Word* to complete lessons that cover a variety of State Secondary Education Curriculum Standards.
- Review ways to use *Microsoft PowerPoint* to complete lessons that cover a variety of State Secondary Education Curriculum Standards.

· Review ways to use *Microsoft Word* web pages, *Internet Explorer* and *Excel* to complete lessons that cover a variety of State Secondary Education Curriculum Standards.

Evaluation/Outside Project:

Students will be evaluated on participation and completion of the in class practice assignments. Twelve hours of additional practice **and** an outside project are required. The student with the approval of the Instructor will select the content of the project. It should include 12 hours of combined practice and project, and must be submitted by disk or email within 1 week of completion of course. A rubric for evaluation of the project will be provided to the participants during class.

Student Handbook:

Students should refer to the Ottawa University Handbook for all University regulations.

Disclaimer:

Course content and schedule may vary from this outline to meet the needs of a particular group of students. The instructor will explain the rationale for any variance as it occurs.