



Ottawa University

EDU 57104-AA

Elementary 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 Elementary/Middle schools.

Fall 2007

Credit Hours: 2 or 3

Dates: Mondays & Wednesdays October 29 - November 7

Location: Ottawa University, Tempe Center, 10429 S. 51st Place, Suite 100 (Elliot and I-10)

Attendance: Attendance is mandatory at all class sessions.

Instructor: Michael Mann, teacherz@cox.net, (480) 664-9161

Course Materials:

All necessary course material is posted online.

Course Objectives:

Instruction and practice will focus on:

- Use of *Microsoft Office Applications*
- Integration of technology into the elementary school curriculum
- Using web-based resources
- Sharing of ideas for student projects

Course Outline:

- Day 1 – Review ways to use the Internet as a resource for covering the State Elementary Education Curriculum Standards.
- Day 1a – Review ways to use *Microsoft Word* to complete lessons that cover a variety of State Elementary Education Curriculum Standards.
- Day 2 – Review ways to use *Microsoft PowerPoint* to complete lessons that cover a variety of State Elementary Education Curriculum Standards.
- Day 2a – Review ways to use *Microsoft FrontPage*, *Internet Explorer* and *Excel* to complete lessons that cover a variety of State Elementary 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 for 3 credit hours. 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 e-mail 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.