



Classroom Applications of Technology EDU 305 (3 credits) Fall 2004

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Location: Library ETC
Time: T/Th 9:30 – 11:00 (305.01)
T/Th 11:00-12:30 (305.02)

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Course Web Page: <http://blackboard.rwu.edu>

Course Description: This course is required of all education students. Other university students interested in learning more about educational technology should elect this course. The focus of the course is the integration of technology into the classroom and the use of technology as a productivity and research tool for the teacher. This course addresses all of the International Society of Technology in Education (ISTE) National Technology Standards for students and teachers.

Required Texts:

Students will be required to purchase a TaskStream subscription that will facilitate the digital portfolio. This purchase can be transacted online. Details will be given in class. A packet of handouts will be available for the cost of copying. You will receive details in class.

Course Objectives: The purpose of this course is to prepare preservice teachers to use technology effectively in the classroom, as a productivity tool, and as a tool for lifelong learning. Specifically, by the end of the course the students should be able to:

- Integrate technology into lessons to facilitate teaching and learning
- Select, evaluate, and integrate appropriate grade-level and content area technology resources
- Use a variety of technology productivity tools (hardware and software)
- Understand and model legal and ethical practices with respect to technology use

This course is designed to address the following Rhode Island Beginning Teacher Standards:

Standard 1: Teachers create learning experiences using a broad base of general knowledge that reflects an understanding of the nature of the world in which we live.

Standard 2: Teachers create learning experiences that reflect an understanding of central concepts, structures, and tools of inquiry of the disciplines they teach.

Standard 3: Teachers create instructional opportunities that reflect an understanding of how children learn and develop.

Standard 4: Teachers create instructional opportunities that reflect a respect for the diversity of learners and an understanding of how students differ in their approaches to learning.

Standard 5: Teachers create instructional opportunities to encourage students' development of critical thinking, problem solving, and performance skills.

Standard 6: Teachers create a learning environment that encourages appropriate standards of behavior, positive social interaction, active engagement in learning, and self-motivation.

Standard 7: Teachers foster collaborative relationships with colleagues and families to support students' learning.

Standard 8: Teachers use effective communication as the vehicle through which students explore, conjecture, discuss, and investigate new ideas.

Standard 9: Teachers use a variety of formal and informal assessment strategies to support the continuous development of the learner.

Standard 10: Teachers reflect on their practice and assume responsibility for their own professional development by actively seeking opportunities to learn and grow as professionals.

Standard 11: Teachers maintain professional standards guided by legal and ethical principles.

Additionally, this course is designed to prepare preservice teachers to meet the **ISTE National Educational Technology Standards (NETS) for Teachers:**

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

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

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

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

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

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

Expectations: The academic requirements and regulations set forth in the University catalog apply to this class. Specifically:

- Attendance is mandatory – students with 2 or more unexcused absences may receive a grade reduction. Students must inform the professor via phone or e-mail **prior** to an absence. Students should make every effort to make up a missed class by attending the class meeting for the other section of EDU305.
- Academic integrity is critical. Plagiarism on an assignment will result in a grade of 0 for that assignment. Please see the student handbook for a complete discussion of this topic.
- All written work must conform the current APA guidelines. See the APA manual and/or www.apastyle.org for complete details.
- Assignments will not be accepted after the due date. Exceptions will be made for serious reasons only and must be agreed upon with the professor **prior** to the assignment's due date. Forum submissions are due by midnight.

Class Schedule:

Week	Software Lab	Technology Topics
1	<ul style="list-style-type: none">• Rubrics• Fonts4Teachers• MS Word	<ul style="list-style-type: none">• National Technology Standards• Managing Technology in the Classroom• Course Requirements• Using Blackboard
2	<ul style="list-style-type: none">• Excel• Mail Merge	<ul style="list-style-type: none">• Technology Integration• Software Evaluation
3	<ul style="list-style-type: none">• Kidspiration• Inspiration	<ul style="list-style-type: none">• Educational Uses of the Internet• WebQuests
4	<ul style="list-style-type: none">• PowerPoint	<ul style="list-style-type: none">• Networks, Hardware, and Software• Troubleshooting Tips
5	<ul style="list-style-type: none">• Paint Shop Pro	<ul style="list-style-type: none">• Web Accessibility
6	<ul style="list-style-type: none">• Technology in the Content Areas	<ul style="list-style-type: none">• Security Issues• Safety Issues
7	<ul style="list-style-type: none">• Web Weaver	<ul style="list-style-type: none">• Legal and Ethical Issues in Technology
8	<ul style="list-style-type: none">• JPerk	<ul style="list-style-type: none">• Technology Planning• Acceptable Use Policies
9	<ul style="list-style-type: none">• Presentations	<ul style="list-style-type: none">• Lesson Presentations
10	<ul style="list-style-type: none">• Advanced Web Weaver and JPerk	<ul style="list-style-type: none">• Technology Funding
11	<ul style="list-style-type: none">• Intellitools	<ul style="list-style-type: none">• Assistive Technology
12	<ul style="list-style-type: none">• Web Page Lab	<ul style="list-style-type: none">• Using Technology in Family and Local History Projects
13	<ul style="list-style-type: none">• Web Page Lab	<ul style="list-style-type: none">• Web Page Lab
14	<ul style="list-style-type: none">• Presentations	<ul style="list-style-type: none">• Web Page Presentations• Field Project Reports

* Journal articles for any assignment should be chosen from current educational or technology publications, or reputable websites.

Assignments and Due Dates:

The assignments for this class consist of electronic forum contributions, presentation of a lesson that uses one or more of the technologies we have studied, a critical website review, a critical software review, a field project, and creation of an educational web page. These assignments are detailed below, along with their point values. There will not be any in-class examinations.

Assignment	Due Date	Point value
Electronic Forum Contributions (Reflection, Discussion, and Research) <i>Note: Introduction and final reflection are separate and not graded</i>	9/16, 9/30, 10/21, 11/16 and 12/2	4 each = 20
Lesson Presentation	11/4 and 11/9	20
Software Review	10/5	10
Web Site Review	10/28	10
Field Project	By last class	20
Web Page	12/14	20

For additional details on the assignments, please see the handout attached to syllabus.

Blackboard:

This course makes extensive use of Blackboard. You will be able to access the PowerPoint presentations, handouts, rubrics, and templates using your personal ID and password. You will also be able to view your grades and participate in the online discussion forums. All students should sign onto Blackboard during the first week of the course and verify their personal information. Your e-mail address must be added if it is not already listed. **Please use the e-mail address that you check daily.**

Grading:

This course will be graded in accordance with the Roger Williams University grading system, as described in the catalog. The following table shows the earned points as they correspond to letter grades. You need to earn a **B or higher** in your education courses.

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