

**INDIANA UNIVERSITY**

W301 – Integrating Technology in Teaching – Part I

**Course Information**

Credit:	1 semester hour
Prerequisite:	Successful completion of W200 or W201
Corequisite:	Enrollment in methods block one
Date Syllabus Prepared:	Spring 2008
Coordinating Instructor:	Dr. Tom Brush School of Education, Indiana University Tel: 856-8458 Fax: 856-8239 Email: <a href="mailto:tbrush@indiana.edu">tbrush@indiana.edu</a> Office hours: By appointment

W301 Instructor & W301 Co-Coordinator:	Jesse Strycker Email: <a href="mailto:jestryck@indiana.edu">jestryck@indiana.edu</a> (Always include W301 in the Subject Line follow by an appropriate subject.) Office Hours: By appointment Room: The CyberPort
Text:	All materials available on W301 OnCourse website

**Course Description:**

This course is designed to provide you with skills and experiences that will allow you to effectively and appropriately integrate technology into teaching and learning activities. In this course, we will focus on reviewing current models of effective technology integration, surveying available technology in schools, and developing classroom lessons and activities.

**Course Goals:**

1. Students will be able to analyze the strengths and weaknesses of various technologies used for instructional purposes.
2. Students will be able to analyze resources available at school sites, and design appropriate instructional activities using those resources.
3. Students will be able to design and develop an instructional activity that focuses on specific content standards and appropriately leverages technology to facilitate the activity.
4. Students will document and reflect on their professional growth through an e-portfolio.

**Technology Tools Required:**

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To fully participate in this course, you will need a computer system that meets the following minimum technical specifications for hardware and software. In addition you will need regular Internet access to receive/submit assignments, review websites/online resources, and participate in Web-based classes. Below is a list of software that are available for download.

<b>Software/Hardware</b>	<b>Description</b>
<b>Operating System</b>	Windows XP (Home/Professional), Macintosh OS X
<b>Processor</b>	1.2 GHz or higher preferred
<b>Memory</b>	256 MB of RAM or higher
<b>Plug-ins</b>	Adobe Acrobat Reader – <a href="http://iuware.iu.edu">http://iuware.iu.edu</a> Media Player 9 or higher Real Player - <a href="http://www.real.com">http://www.real.com</a> Macromedia Flash 9
<b>Browser</b>	Internet Explorer 6.0 or higher
<b>Multimedia Ready</b>	Required
<b>USB Port</b>	Required
<b>Monitor</b>	15” monitor with 800 x 600 resolution capability or larger
<b>Software</b>	Microsoft Office 2003/2007 Microsoft FrontPage 2003 - <a href="http://iuware.iu.edu/title.aspx?id=62">http://iuware.iu.edu/title.aspx?id=62</a> Adobe Acrobat Reader
<b>Storage Media</b>	Required: 128MB or higher Flash Drive

### **Course Logistics and Schedule:**

W301 meets once a week for one hour over the course of 15 weeks. Class activities are supplemented by discussions, additional reading, and specific assignments that are to be completed outside of class.

### **Course Requirements:**

Students are expected to:

1. Participate in weekly class discussions and/or activities. These discussions/activities will focus

on important aspects of using technology in K-12 settings, including selecting appropriate technology resources, ethical uses of technology, using technology with students with special needs, national technology standards required of all students, copyright law, and typical technology resources available to teachers. Class attendance is mandatory. One unexcused absence without penalty will be permitted during the semester, otherwise...**Ten points will be deducted from your total grade for each unexcused absence**

2. Individually or in teams of no more than three, research a specific emerging technology (or instructional technology teaching strategy) of interest to the student(s) that can potentially be integrated into their teaching. The topic must be approved by the instructor. Student teams will be expected to develop a report and 5-10 minute class presentation defining and describing the emerging technology, and detailing how the emerging technology is being used in school settings. More details will be provided in class.
3. Individually or in teams of no more than three, conduct and complete one multimedia project. As the concept of multimedia suggests, you will be addressing a topic through the use of multiple forms of media (some may opt to create videos, other podcasts, some digital stories, etc.). For this class, the focus of the project will be open to the teams to decide, but must be approved by the instructor. The project should be a maximum of five (5) minutes long, and will be shared with the rest of the class. The project should include a title portion (screen or audio clip) with credits, “introduction” portions between each section/segment (unless it doing so works counter to the design of your project), and a conclusion/summary portion. The project should also include relevant digital primary sources. **This project should not be a web page since we will be covering that in another part of the class.** More detail will be provided in class.
4. Conduct a *technology inventory* of one school or school district (site of your field experience). Specific information to include in the needs assessment will be provided in class, but the results of this activity should provide a “snapshot” of the technology resources (i.e., equipment, personnel, software) available at the selected school, and how those resources are distributed and utilized for instructional purposes.

5. Compile all of the materials and assignments from this course and add them to your electronic teaching portfolio. Items to be added should include:
  - a. Your multimedia project.
  - b. A copy of your research report.
  - c. Your technology inventory
  - d. Other information as deemed appropriate by your methods instructor.

More details about this assignment will be discussed in class.

**NOTE: Instructors from your specific methods courses may require you to add additional artifacts to your electronic portfolio.**

For ALL individual assignments, students are expected to bring a paper copy of the assignment to class in addition to submitting an electronic copy to the Dropbox in Oncourse or the particular web-based discussion board (instructor will inform you based on assignments).

### **Evaluation:**

Final grades will be based on participation in the studios and completion of the technology-integrated lesson activity.

Points will be awarded as follows:

<b>Reflections (Concept/Project/Reading)</b>	<b>12 Points</b>
<b>Technology Inventory</b>	<b>15 Points</b>
<b>Technology Research Project</b>	<b>30 Points</b>
<b>Multimedia Project</b>	<b>30 Points</b>
<b>Electronic Portfolio</b>	<b>20 Points</b>
<b>Attendance &amp; Class Participation</b>	<b>20 Points</b>
<b>Total</b>	<b>127 Points</b>

**Grade Distribution:**

94 – 100 Percent	A	77 – 79 Percent	C+
90 – 93 Percent	A-	73 – 76 Percent	C
87 – 89 Percent	B+	70 – 72 Percent	C-
83 – 86 Percent	B	65 – 69 Percent	D
80 – 82 Percent	B-	0 – 64 Percent	F

**Late Policy:**

*Assignments are expected to be turned in on the dates that they are due. Failure to hand in an assignment on the due date without a valid excuse will result in a **10% reduction** in the overall assignment grade for **each day** the assignment is late.*

**Methodology:**

A variety of teaching methods are used in this class. They include, but are not limited to: lecture, discussion, demonstration (by the instructor and by students), and individual/group project work. Each student is expected to spend additional time outside of the required class time to complete projects.

**Procedures for Course and Instructor Evaluation:**

Students are asked to complete the department course/instructor evaluation instrument. They are asked to provide written comments regarding what they perceived to be the strengths and weaknesses of the course. Evaluations are anonymous and are submitted to the departmental secretary for coding and tabulation. Results of the evaluation are used to update the content and emphases of the course as contemporary research suggests.

**Disclaimer:**

While this syllabus is an intended plan of how the course will be conducted, there will inevitably be changes that occur during the course of the semester. Any changes that are made will be brought to your attention and discussed in class ahead of time.

## Class Schedule

Week	Start of Week	Topic	Assignments Due
1	Jan 7	Introduction – Course explanation and expectations, Review of syllabus	
2	Jan 14	Overview of Emerging Technology Overview of Technology Research project	
3	Jan 21	Martin Luther King Jr. Day (Monday - No Class) Work week	Form research teams and seek topic approval
4	Jan 28	Begin research  What is Technology ? What is Technology Integration ?  Technology Standards ( <i>ISTE Technology Standards</i> ) Technology Inventory explained and assigned	
5	Feb 4	Team work day – Complete research reports and prepare presentations	Submit presentation materials for review
6	Feb 11	Research project presentations	
7	Feb 18	Evaluating Technology Resources  Overview of Multimedia Project	Form teams and seek topic approval
8	Feb 25	Video Case Analysis assigned and explained Copyright and Fair Use explanation and discussion	Video Case Analysis
9	March 3	Video Case Analysis debrief <b>Technology Inventory Due at start of class</b> Technology Inventory Debrief	
10	March 10	Spring Break – No Class	
11	March 17	Multimedia Project Work Week	
12	March 24	AERA conference – No official class meeting Team work week	Finalize project
13	March 31	Presentation of Multimedia Projects	
14	April 7	Electronic Portfolio – Practical	
15	April 14	Work on portfolios	
16	April 21	Class wrap-up: Looking towards W401	
	April 28 May 2	Finals Week – No class meeting <b>Portfolio due April 28<sup>th</sup> by 11:59PM</b>	