

Course Syllabus

INSTTECH 1031–Educational Technology & Design

All course materials online at <http://elearning.uni.edu>

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Course Description

Educational Technology & Design is a basic course involving the selection and use of various educational technologies within an instructional design framework. Course activities include the planning, design and production of media and the operation of hardware and software for Pre-K-8 educational use. Students will be exposed to various ways of thinking about educational media and technology. The course provides students with experiences that enable them to integrate technology resources to support clearly defined learning objectives.

Course Outcomes

Course outcomes are aligned with standards from the Interstate New Teacher Assessment Support Consortium (INTASC). These are used by teacher preparation programs in Iowa and were selected based on their general application to teachers of all subjects in grades PreK-12. For more information see: www.uni.edu/teachered/standards

Students will... (Related INTASC+1 standard number, K = Knowledge; P = Performance; D = Disposition)

- explore various ways of thinking about media and the messages they convey (6, P)
- demonstrate how to use a variety of multimedia tools to enrich learning opportunities. (6, P)
- identify guiding principles to promote students' safe and ethical use of the Internet. (1, P)
- apply copyright law, fair use guidelines, and creative commons regulations to the ethical development of electronic multimedia to support learning. (10, P)
- use the ASSURE model to plan the integration of technology into a unit of instruction (4, P)
- write behavioral learning objectives to support instructional goals. (4, P)
- identify appropriate teaching methods and electronic media to support objective-based lessons. (5, P)
- design learning experiences that engage students in individual and collaborative learning activities (5, P)
- create electronic multimedia to support specific learning objectives. (4, P)
- apply principles of visual design to the development of electronic multimedia to support learning. (9, K)
- use graphic organizers to represent topics or concepts in a static or interactive format. (1, P)
- develop an online collaborative inquiry-based learning activity to support a thematic unit of instruction. (7, P)
- develop an assessment strategy to evaluate student work within a collaborative inquiry-based learning activity (6, P)
- design and develop a digital video to support an objective-based lesson. (4, P)
- create a web-based resource center to support an objective-based lesson. (4, P)
- reflectively evaluate how projects align with INTASC+1 standards. (8, P)
- organize and present class projects in an electronic portfolio format. (8, P)

Expectations

1. **Attendance is required.** Attendance will be taken at each lecture and lab. Points will be deducted for nonattendance, partial attendance, or recurring tardiness. In the event that a student is absent from more than 1/3 of the course (14 or more absences, excused or otherwise), he/she will not receive a passing grade in the course.
2. **Students will actively collaborate with a team of their peers** and will earn a group grade for two collaborative projects during the course.
3. **Excused absences require documentation.** Excused absences include: UNI sponsored functions, illness, or a death in the family. In the event of flu symptoms, students are required to contact their instructor prior to missing class.
4. **Assignments submitted electronically (via eLearning) are due by 10:00pm.** Assignments submitted in print are due at the beginning of class. Follow all submission instructions precisely. Assignments will not be accepted via e-mail.
5. **Late assignments will lose 10% of points possible per day. Quizzes may not be submitted late.** Late assignments will not earn full credit except in the event of a documented excused absence.
6. **Students will complete weekly assigned Readings, Watchings, Listenings, and Doings (RWLDs)** prior to lecture.
7. **Students should bring laptops and other mobile devices to class to be used constructively.** Handouts are provided in eLearning, and students are encouraged to print these or view them electronically during class.

8. Students should **remain on-task during lectures and labs**. Off-task behavior such as texting, checking sports scores, or working on homework for other classes may result in the student being marked as absent.
9. **Students should regularly access eLearning and access all course materials there**—do not Google them.
10. **All email correspondence should be sent via eLearning to your primary course instructor**.
11. **Computers will be used extensively both in and out of class**. Individual support is provided during regularly scheduled office hours. All course software is available in IRTS computer labs, and most software is available online. See the Software & Plug-ins page in eLearning for more information.
12. **Most assignments require broadband internet access**. Students may complete activities from off-campus. However, in the event that students do not have sufficient access, they will be expected to use the labs provided on-campus or make alternate arrangements (e.g., public library, friend or family).
13. **Lost work or forgotten passwords are not acceptable excuses for failing to meet a due date**. Students are expected to regularly backup their work and always maintain at least two copies of important files in two separate locations (e.g., USB drive, network folder, personal computer, etc.) to avoid data loss in the event of hardware failure or user error. Record all usernames and passwords created for various services during in the class for your reference.
14. **Plagiarism is not tolerated**. Evidence of plagiarism will result in no points earned for the assignment. All assignment submissions are subject to the use of plagiarism detection systems.

Theme

Students will select a theme and plan an interdisciplinary thematic unit of instruction aligned with Iowa Core or other standards and benchmarks. Using knowledge and skills developed in the course, students will then integrate technology to support the learning outcomes stated in their unit. **Students will use the same theme throughout the semester.**

Required Text:

There are no required textbooks, but students will be assigned weekly *Readings, Watchings, Listeners, and Doings* (RWLD). Comprehension of these and their corresponding lectures will be assessed via online quizzes throughout the course. All due dates are clearly indicated on the course schedule and in eLearning.

Assessments	Points	INTASC+1 Standard Alignment
Quizzes (9)	9x20	2, 3, 4, 5, 6, 7, 10, 11
Peer Evaluations (3)	3x10	7, 9
Team Collaboration (2)	2x20	7,9
Thematic Unit Description	100	1, 7, 11
PLN: Twitter & Diigo	20	9, 11
Learning Tool	40	4, 6, 11
WebQuest	120	1, 3, 4, 6, 11
Video Project	120	6, 11
Blog	40	9, 11
ePortfolio	60	9, 11
Extra Credit	(20)	9, 10, 11
Attendance	80	One unexcused absence (-10); Two absences (-30); Three absences (-50); Four or more unexcused absences (-80).
Total	830	

Grading

Percent	Grade
96% - 100%	A
93% - 95%	A-
90% - 92%	B+
87% - 89%	B

Percent	Grade
84% - 86%	B-
81% - 83%	C+
78% - 80%	C
75% - 77%	C-

Percent	Grade
72% - 74%	D+
69% - 71%	D
66% - 68%	D-
<65%	F

UNI is an Affirmative Action Equal Opportunity Institution. The **Americans with Disabilities Act of 1990** (ADA) provides protection from illegal discrimination for qualified individuals with disabilities. Students requesting instructional accommodations due to disabilities must arrange for such accommodations through the **Office of Disability Services** (ODS) located at 213 Student Services Center. Visit www.uni.edu/disability or call 319-273-2676 for more information.

Students are encouraged to use the **Academic Learning Center's** free assistance with writing, math, reading, and learning strategies. The center is located in 008 ITTC. Visit www.uni.edu/unialc or call 319-273-2361 for more information.

Date	Format	Assignment Due	Agenda
Jan 9	Lecture		Course Introduction
Jan 11	Lab W	<ul style="list-style-type: none"> Personal Introduction BYOL: Register laptop for WiFi-UNI before class 	Intro to lab & eLearning Horizontal teaming
Jan 13	Lab F	<ul style="list-style-type: none"> Sign-up for Twitter account before lab Quiz 1 	Twitter & Personal Learning Networks (PLN)
Jan 16	NO CLASS		MLK Observance
Jan 18	Lab W	<ul style="list-style-type: none"> Systematic Instructional Design (complete RWLDs & view lecture recording on your own) 	UNI Google Docs (Thematic Unit Template)
Jan 20	Lab F	<ul style="list-style-type: none"> Last day to schedule team meeting w. instructor via Google Calendar (Thematic unit description draft version due at meeting) Quiz 2 	Thematic Unit Elements: Iowa Core, Goals & Objectives Team Collaboration Time
Jan 23	Lecture		Web 2.0 & Digital Natives
Jan 25	Lab W		Team Collaboration: Thematic Unit Introduce ePortfolio
Jan 27	Lab F	<ul style="list-style-type: none"> Sign-up for Diigo account before lab 	Diigo Social Bookmarking
Jan 30	Lecture		Copyright, Fair Use & Creative Commons
Feb 1	Lab W	<ul style="list-style-type: none"> Thematic Unit Description PLN: Twitter & Diigo 	Web Search, Tools & Techniques
Feb 3	Lab F	<ul style="list-style-type: none"> Quiz 3 Last day to schedule team meeting w. instructor via Google Calendar (WebQuest organizer worksheet due at meeting) 	WebQuest 1 (Google Sites)
Feb 6	Lecture		Visual Literacy
Feb 8	Lab W		WebQuest 2 Creative Commons & Iowa AEA Online
Feb 10	Lab F	<ul style="list-style-type: none"> Quiz 4 (WebQuest Quiz) 	QR Codes & Mobile Learning Team Collaboration: WebQuest
Feb 13	Lecture		Diversity in Media and Your Classroom
Feb 15	Lab W		Team Collaboration: WebQuest
Feb 17	Lab F	<ul style="list-style-type: none"> Quiz 5 	Google Spreadsheets, Forms & Presentations
Feb 20	Lecture		CyberCitizenry
Feb 22	Lab W	<ul style="list-style-type: none"> WebQuest 	Blogs
Feb 24	NO CLASS		African American Children & Families Conference (UNI)
Feb 27	Lecture		Integrating Higher Order Thinking Skills
Feb 29	Lab W	<ul style="list-style-type: none"> #1 Blog Post (suggested) 	Learning Tool Introduction Spreadsheets (MS Excel)
Mar 2	Lab F	<ul style="list-style-type: none"> Quiz 6 	Spreadsheets (MS Excel)
Mar 5	Lecture		Mobile and 1:1 Learning
Mar 7	Lab W	<ul style="list-style-type: none"> BYOL: Install free Inspiration trial before lab 	Inspiration software
Mar 9	Lab F	<ul style="list-style-type: none"> BYOL: Install free Kidspiration trial before lab 	Kidspiration software

Date	Format	Assignment Due	Agenda
Mar 12–16	NO CLASS		SPRING BREAK
Mar 19	Lecture		Gaming to Learn by Learning to Game
Mar 21	Lab W	<ul style="list-style-type: none"> #2 Blog Post (suggested) Learning Tool (Beta version for review) 	Peer Review: Learning Tool Project
Mar 23	Lab F	<ul style="list-style-type: none"> Learning Tool 	RSS Portfolio development time
Mar 26	Lecture		Digital Storytelling
Mar 28	Lab W		Digital Imaging
Mar 30	Lab F	<ul style="list-style-type: none"> Quiz 7 	Video Examples & Script Writing
Apr 2	Lecture		Information Literacy
Apr 4	Lab W	<ul style="list-style-type: none"> #3 Blog Post (suggested) Script for Video Project 	Peer Review: Script Locating project assets
Apr 6	Lab F	<ul style="list-style-type: none"> Storyboard for Video Project 	Peer Review: Storyboard
Apr 9	Lecture		Assistive Technology
Apr 11	Lab W		Introduction to Video Editing Apps
Apr 13	Lab F	<ul style="list-style-type: none"> Quiz 8 	Video Editing 1
Apr 16	Lecture		Technology Trends and Education
Apr 18	Lab W	<ul style="list-style-type: none"> Extra Credit #4 Blog Post (suggested) 	Video Editing 2
Apr 20	Lab F	<ul style="list-style-type: none"> Blog 	Video Project Development
Apr 23	Lecture		Being a Change Agent in Your School
Apr 25	Lab W	<ul style="list-style-type: none"> Video Project 	ePortfolio Development
Apr 27	Lab F	<ul style="list-style-type: none"> Quiz 9 	Prezi Party
Apr 30– May 4	NO CLASS	<ul style="list-style-type: none"> ePortfolio (due Monday, Apr 30) 	FINALS WEEK: Optional meeting with your instructor