

# EDT 655: Issues and Trends in Educational Technology

## Course Outline

### Course Description

This course offers a contemporary approach to technology applications in the classroom. Issues and trends in education, technology and society are examined to help teachers utilize technology to increase student performance. The course focuses on developing teacher technology competencies for instructional settings. It looks at a wide range of developments in technology and investigates the new tools and trends that are impacting the field of teaching in today's classrooms. Topics covered include an overview of new and emerging products as well as instructional delivery systems and teaching strategies.

### Required Textbook and Software

Lever-Duffy, J., & McDonald, J. B. (2011). *Teaching and learning with technology*. (4th ed.). Upper Saddle River, NJ: Pearson/Prentice Hall. (ISBN: 978-0-13-800796-9).

Microsoft Office 2007, 2010, or newer (Word, Excel and PowerPoint). You can obtain educational pricing from Microsoft directly or from your school district if you are working for one.

Free Web 2.0 software: Google Groups, Google Docs, Blogger, Diigo, Google Reader, Wikispaces and GabCast.

### Course Objectives

Upon successful completion, the student will:

- implement technology integration in the classroom with Web 2.0 applications
- apply the ISTE Technology Standards for teachers and students in their own teaching
- produce interactive, technology-based learning activities and multimedia presentations
- analyze and evaluate peer-reviewed research articles, synthesize the information, and write a wiki topic page following APA format.

### Course Requirements

- Create Google Groups and Google Docs accounts and post them.
- Create a Technology Integration Issues PowerPoint presentation.
- Adapt a lesson plan to include University Design criteria.
- Create a Google Reader account and subscribe to Ed. Tech. blogs.
- Research and write an ed. tech. blog on Blogger.

- Create a Diigo account, post bookmarks, and share with EDT 655 Group
- Research and write a wiki page on a Web 2.0 topic.
- Research, write and create a future trends podcast on GabCast.
- Attend a Classroom 2.0 online webinar and write a review.
- Complete chapter quizzes.
- Participate in class discussions and chats.

## Assignment List

Week	Assignment
1	Assignment 1: Google Groups and Google Docs (50 points) Assignment 2: Tech Integration Issues PPT (150 points) Discussion Board: Digital Ethics (20 points) Quiz: Chapters 1 and 13 (20 points)
2	Assignment 1: UD lesson analysis (50 points) Assignment 2: RSS and Google Reader (50 points) Assignment 3: Ed. Tech. Blog on Blogger (100 points) Discussion Board: Diversity Challenges (20 points) Quiz: Chapters 4 and 6 (20 points)
3	Assignment 1: Social Bookmarking (40 points) Assignment 2: Web 2.0 Tools in Education Wiki (200 points) Discussion Board: Flat Classrooms (20 points) Quiz: Chapters 9, 10 and 12 (20 points)
4	Assignment 1: Future Trend Podcast (150 points) Assignment 2: Classroom 2.0 Webinar Review (50 points) Discussion Board: Emerging Technologies (20 points) Quiz: Chapters 11 and 14 (20 points)