

# TOOLS FOR THE DEVELOPMENT OF INSTRUCTION

Grace Moone - [gmoone@ramapo.edu](mailto:gmoone@ramapo.edu)

Cynthia Vitale – [cvitale@fc.summit.k12.nj.us](mailto:cvitale@fc.summit.k12.nj.us)

Nick Bernice - [nbernice@ramapo.edu](mailto:nbernice@ramapo.edu)

Angela Bender – [abender@fairlawnschools.com](mailto:abender@fairlawnschools.com)

Ben Norton - [bennorton@hotmail.com](mailto:bennorton@hotmail.com)

## COURSE DESCRIPTION:

### SGET 710 Tools for the Development of Instruction (4 credits)

Technology will be employed to: determine and/or establish connectivity among topics in a content area; access and integrate data sources; acquire management skills in coordinating student investigations; and apply assessment techniques that utilize technology.

## GOAL:

The goal of this course is to improve student learning by providing educators with methodologies to create technology infused educational units.

## OBJECTIVES:

1. Examine models of instructional design and assessment and
2. Apply these models to a web-based learning project **utilizing educationally focused** technology.

## COURSE TOPICS:

1. Bloom's Taxonomy/Higher order thinking skills.
2. Applications of Backward design/Assessment.
3. Web design.
4. Technology Gap Groups.
5. Journal Club.

There is no text for the course - students will be required to join the International Society for Technology Education (ISTE) and subscribe to "*Learning and Leading with Technology*". Student subscription with the online journal is \$39. Students will use the journal to participate in a "Journal Club" a weekly student led discussion of an article from this or another journal.

## GRADE:

Final Project – 60%

Complete Portfolio – 20%

Checkpoints – 20%

1. Project objectives
2. Project calendar
3. Project flow chart
4. Project template
5. Project "buddy checks"

\*\* If you are in need of **accommodations** because of a documented disability please see one of the instructors.

**\*\*\*No Classes will be held on Saturday, April 11, 2009\*\*\***

## Syllabus

### Meeting 1 Jan 22/23, 2009

**Lecture:** Introduction; ISTE membership; Journal Club; citing sources (written and web); Level 1 accessibility; beginning the design process.

**Tech Lab:** Technology self assessment (on-line); ISTE, Yahoo groups, review e-mail: opening Windows Explorer, directory structures and file names, saving to storage device, copying and deleting files. Set up a project calendar for your project. Re-assess your portfolio and practice FTP.

**Journal Club** – Choose the discussion leaders for the semester.

#### ASSIGNMENT:

Read the article on Copyright and Fair Use (online).

Additional reading/activity – check with your mentor

Work on your project calendar.

**\*\* Bring multiple storage media (Flashdrive for project and CD for archive) .**

### Meeting 2 Jan 30/31, 2009

**Lecture:** Assessment - everything you need to know - backwards - how else?

**Tech Lab:** Naming system for pages and graphics; creating and saving in folders. Work on your portfolio and practice FTP.

**Journal Club** – Discussion on Copyright and Fair Use.

#### ASSIGNMENT:

Read the article on Assessment (hand out) for Journal Club.

**Post your project objectives connected to tasks and assessments as a link from your portfolio by 10PM two days before your class.**

Work on your project calendar.

**\* Journal Club leaders choose your article for next discussion and make copies if necessary.**

### Meeting 3 February 6/7, 2009

**Tech Lab:** Flow chart and working with webs; Practice in developing a template (e-mail links, buttons, date created etc.).

**Journal Club** – Discussion on Assessment article. Leaders on next class - announce and give out article for discussion next week.

**Tech Lab:** Working with webs; practice in developing a web.

#### ASSIGNMENT:

**Post Project Calendar as a link from your portfolio by 10PM two days before class.**

Read the article for Journal Club.

**\* Journal Club leaders choose your article for discussion and make copies if necessary.**

### Meeting 4 February 13/14, 2009

**Tech Lab:** Screen resolution; tables; clip art; merging and splitting cells.

**Journal Club** - Discussion of article. Leaders for next class announce and give out article for discussion next week.

**Whole Group instruction –**  
**Tech Lab:** Portfolio **cleanup** (PowerPoint as HTML).

**ASSIGNMENT:**

**Post Project Flow Chart as a link from your portfolio by 10PM two days before class.**

Read the article for Journal Club.

**\* Journal Club leaders choose your article for discussion and make copies if necessary.**

**Meeting 5 February 20/21, 2009**

**Tech Lab:** Optimizing your graphics.

**Journal Club** - Discussion of article. Leaders on next class announce and give out article for discussion next week.

**Whole Group instruction –**

**Tech Lab:** Front Page proficiency; Accessibilities issues.

**ASSIGNMENT:**

**Post Project Template as a link from your portfolio by 10PM two days before class.**

Read the article for Journal Club.

**\* Journal Club leaders choose your article for discussion and make copies if necessary.**

**Meeting 6 February 27/28, 2009**

**Tech Lab:** Peer review of Project Template.

**Journal Club** - Discussion of article. Leaders for next class announce and give out article for discussion next week.

**Whole Group instruction –**

**Tech Lab:** Work on Project and FTP practice.

**ASSIGNMENT:**

**Your Portfolio must be complete by 10PM two days before class (20% of your grade).**

Read the article for Journal Club.

**\* Journal Club leaders choose your article for next class discussion and make copies if necessary.**

**Meeting 7 March 6/7, 2009**

**Tech Lab:** Work on Project; Presentation to mentor on project status; discussion of Portfolio.

**Journal Club** - Discussion of article. Leaders for next class announce and give out article for discussion next week.

**Whole Group instruction –** special topics

**Tech Lab:** Work on Project; Sign up for your “peer review buddy”.

**ASSIGNMENT:**

**Post Project work so far as a link from your portfolio by 10PM three days before class.**

**Review your buddy’s project by 10PM one day before class (Buddy Check 1).**

**WORK ON YOUR PROJECT.**

Read the article for Journal Club.

**\* Journal Club leaders choose your article for discussion and make copies if necessary.**

**Meeting 8 March 13/14, 2009**

**Tech Lab:** Pair share, Work on your Project.

**Journal Club** - Discussion of article. Leaders on next class announce and give out article for discussion next week.

**Gap Groups** - special topics

**Tech Lab:** Work on your Project.

**ASSIGNMENT:**

**WORK ON YOUR PROJECT.**

Read the article for Journal Club.

**\* Journal Club leaders choose your article for discussion and make copies if necessary.**

**Meeting 9 March 20/21, 2009**

**Tech Lab:** Work on your Project.

**Journal Club** - Discussion of article. Leaders on next class announce and give out article for discussion that week.

**Tech Lab:** Work on your Project.

**ASSIGNMENT:**

**WORK ON YOUR PROJECT.**

Read the article for Journal Club.

**\* Journal Club leaders choose your article for discussion and make copies if necessary.**

**Meeting 10 March 27/28, 2009**

**Tech Lab:** Work on your Project.

**Journal Club** - Discussion of article. Leaders on next class announce and give out article for discussion next week.

**Tech Lab:** Work on your Project.

**ASSIGNMENT:**

**Post Project work so far as a link from your portfolio by 10PM three days before class.**

**Review your buddy's project by 10PM one day before class (Buddy Check 2).**

**WORK ON YOUR PROJECT.**

Read the article for Journal Club.

**\*Journal Club leaders choose your article for discussion and make copies if necessary.**

**Meeting 11 April 3/4, 2009**

**Tech Lab:** Work on your project.

**Journal Club** - Discussion of article. Leaders on next class announce and give out article for discussion next week.

**Tech Lab:** Work on your Project – presentation to mentor on project status.

**ASSIGNMENT:**

**WORK ON YOUR PROJECT.**

Read the article for Journal Club.

**Meeting 12 April 17/18, 2009**

**Tech Lab:** Run Accessibilities on your project.

**Journal Club** - Discussion of article.

**Tech Lab:** Begin Beta testing your Project.

**ASSIGNMENT:**

**Post Project work so far as a link from your portfolio by 10PM. Three days before class**  
**Review your buddy's project by 10PM one day before class (Buddy Check 3).**  
Don't panic - WORK ON YOUR PROJECT.

**Meeting 13 April 24/25, 2009**

**Tech Lab:** Beta test your project.

**ASSIGNMENT:**

**DON'T PANIC - WORK ON YOUR PROJECT.**

**Meeting 14 May 1/2, 2009**

**Meeting 15 May 8/9, 2009**

**Tech Lab:** Project Presentations - 5-10 minute brag session to your group and mentor.

**ASSIGNMENT:**

**PARTY - PARTY - PARTY - IT IS OVER!!**