Course: TED 6020 Section 006 Computer Applications in Teaching
Course Credit: 3 hours
Location: Lab 112 Education
Instructor: Janine V. Scott
Office: College of Education
E-mail: Janine Scott
Summer Semester: Thursday 5:00pm – 7:45pm CRN: 20465
Office Hours: Thursday 4:00pm by e-mail appointment only

You are assumed to be able to use word-processing, [WSU e-mail](mailto:) and the Internet

Course Description:
Provides a variety of hands-on experiences where technology is used as a tool to support instruction and assessment purposes in K-12 classrooms. Course activities introduce students to educational technology standards.

Objectives:

The objectives of this course are intended to support the pre-service teacher in using computer technology to implement the theme of the college: The Effective Urban Educator: Reflective, Innovative and Committed to Diversity. Specifically, students will develop a foundation to support the development of skills to satisfy the requirements of the State of Michigan Seventh Standard for Entry Level Teachers, during their coursework in the Teacher Preparation program. Students will be introduced to concepts related to the use of technological tools, operations, and concepts to enhance learning, personal/professional productivity, and communication, including the ability to:

- Understand the equity, ethical, legal, social, physical, and psychological issues surrounding the use of technology in Prek-12 schools and apply those principles in practice;
- Plan, design, and evaluate effective technology-enhanced learning environments and experiences aligned with Michigan’s Educational Technology Standards for each student;
- Implement curriculum plans that include effective technology-enhanced methods and strategies to maximize student learning;
Course Outcomes:

- Build an understanding of ways technology is used to support instruction
- Create an educational website
- Demonstrate the integration of the Michigan Educational Technology Standards (METS) into their instructional delivery systems by creating lesson plans using the WSU/COE Lesson Plan format.
- Articulate how adaptive technologies may be used in their classrooms.
- Create electronic spreadsheets and explore their potential
- Build proficiency in current computer tools using presentations software which may include desktop publishing, KeyNote, PowerPoint, Inspiration and/or web page design
- Learn to use the Internet for research and applications in the classroom
- Understand copyright laws and other ethical issues related to technology
- Provide and use a systematic procedure for the evaluation of software useful in your teaching discipline(s)
- Build proficiency on the PC platform and Apple platform
- Use of you your WSU e-mail account (aa1234@wayne.edu)

Evaluation & Grading:

General Note on Grading
The College of Education faculty members strive to implement assessment measures that reflect a variety of strategies in order to evaluate a student's performance in a course. For undergraduates and post-degree students C grades will be awarded for satisfactory work that satisfies all course requirements; B grades will be awarded for very good work, and A grades will be reserved for outstanding performance. [For graduate students B grades will be awarded for satisfactory work that satisfies all course requirements; B+ grades will be awarded for very good work, and A grades will be reserved for outstanding performance.] Please note that there is a distribution of grades from A-F within the College of Education and that plusses and minuses are recorded and distinguish distinct grade point averages.

Withdrawal Policy
Please review WSU’s Withdrawal Policy at http://reg.wayne.edu/students/policies.php

- Each assignment will be evaluated on the quality of the work. (any assignment turned in late will automatically lose 1 point)
- Each assignment is the percent of the final grade stated below.
- Joining a Professional Technology Educational organization or attending an educational or technology related conference will earn +3 points.
- An incomplete (I grade) may be given only for good reason, after signing a contract with the instructor and may not be for a grade higher than a B.
Attention Students with Disabilities:
If you have a documented disability that requires accommodations, you will need to register with Student Disability Services for coordination of your academic accommodations. The Student Disability Services (SDS) office is located at 1600 David Adamany Undergraduate Library in the Student Academic Success Services department. The SDS telephone number is 313-577-1851 or 313-577-3365 (TTY: telecommunication device for the deaf; phone for hearing impaired students only). Once you have your accommodations in place, I will be glad to meet with you privately during my office hours to discuss your special needs.

Student Disability Services’ mission is to assist the university in creating an accessible community where students with disabilities have an equal opportunity to fully participate in their educational experience at Wayne State University. Please be aware that a delay in getting SDS accommodation letters for the current semester may hinder the availability or facilitation of those accommodations in a timely manner. Therefore, it is in your best interest to get your accommodation letters as early in the semester as possible.

Class Policies: Perhaps the best way for you to approach this course, or any course you take in college, is to think of it as your current job, and complete each assignment as you would want your students to complete their assignments.

- When you are absent, it is your responsibility to get the information you missed from another student; make friends.
- Please turn off or put on vibrate all cell phones during class discussion.
- To contact me outside of class, please use e-mail.
- You are expected to use your WSU e-mail account & ID (aa1234)
- You are expected to understand Plagiarism and to not do it
  - Plagiarism includes copying material (any more than 5 consecutive words) from outside texts or presenting outside information as if it were your own by not crediting authors through citations. It can be deliberate or unintended. If you're in doubt about the use of a source, cite it. Students caught plagiarizing information from other sources will receive a failing grade in the course. University policy states that students can be subject to multiple sanctions, from reprimand to expulsion as a consequence of academic dishonesty. To enforce this policy, all outside references must be submitted with assignments.

Assignments:

- (15%) # Review and critique three (3) articles from journals or chapters in a text. All must be technology related, and 1 must be about assistive/adaptive technology (turn in 1/time)
- (15%) Review and Evaluate three (3) software packages
- (5%) Complete a tutorial & an assignment using a spreadsheet
- (5%) Search the Internet for class resources
- (5%) Publish a piece of computing history with desktop publishing
- (5%) Complete an assignment in Inspiration for you or your students to use in your classroom.
- (5%) Design your own Home Page
• (5%) Complete an original PowerPoint or KeyNote presentation for use in your classroom
• (5%) Evaluate an Educational Website (details in class) [Feb 27th]
• (30%) Complete a WebQuest for use in your classroom
• (5%) Complete an assignment in Prezi
• (5%) Write a lesson plan using the WSU COE lesson plan template

Supplies: One USB storage drive (to be used in the class only)

Tentative Lecture Dates (assignments due next class period)

January 9, 2014 Web Search/Creative commons
January 16, 2014 Desktop Publishing
January 23, 2014 Article Review #1
January 30, 2014 Inspiration
February 6, 2014 Home Page/Intro to WebQuest
February 13, 2014 Software Reviews
February 20, 2014 PowerPoint/Keynote
February 27, 2014 Educational Site Evaluation, Michigan Education Technology Standards [MANDATORY CLASS]
March 6, 2014 Spreadsheet
March 13, 2014 Spring Break
March 20, 2014 Article Review #2
March 27, 2014 Prezi
April 3, 2014 Lesson Plan
April 10, 2014 Article Review #3
April 17, 2014 WebQuest / ALL ASSIGNMENTS DUE, NO EXCEPTIONS
Suggested Reading:

- Copyright Laws for Educators
- Michigan Seventh Standard for Technology
- Michigan Education Technology Standards (METS)
- NETS for Teachers 2008 (National Technology Standards)