COURSE SYLLABUS
January 6, 2014

DIVISION: Teacher Education
PROGRAM AREA: Computer Education
COURSE: TED 6020-901
COURSE TITLE: Computer Applications in Teaching I
SECTION: 25383
TERM: Winter 2014
COURSE LOCATION: University Center at Macomb, Room UC2-234 (Windows OS)
Burr Elementary School, Media Center (Macintosh OS)
DAY/TIME: Monday, 4:30 pm - 7:15 pm
INSTRUCTOR: Bruce M. Vaughn
OFFICE HOURS: Monday, 7:15 - 7:30 or by appointment
E-MAIL: bruce.vaughn@wayne.edu

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.
- Build students understanding of the various ways that technology is used in schools to support instruction.
- Build the ability of students to use the computer for instruction as the result of many experiences using the Windows and Macintosh operating systems.
- Provide laboratory experiences at each class meeting to assure that students are able to use technology to explore development of instruction using different software applications.

COURSE OUTCOMES:
Upon completion of this course, students will be able to:

1. 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.
2. Articulate how adaptive/assistive technologies may be used in their classrooms.
3. Create a presentation using Presentation Software that can be used to support a classroom lesson.
4. Create an educational website.
5. Create an electronic spreadsheet using student or classroom data.
6. Create education related documents and files using word processing software.

REQUIRED TEXT:
None

Materials:
- New USB 2.0 flash drive or similar device
- DVD-R Media (minimum of two)
- WSU E-Mail account
COURSE ASSIGNMENTS:
Assignments will be evaluated through the use of scoring rubrics, which will specify the content desired and the point value of each component of that content. The rubrics will be posted in the “Assignments” portion of the course Blackboard site. Printed copies will also be available at the applicable class session.

Students are expected to satisfactorily complete the following assignments:

Read and summarize a total of five articles concerning technology in education. Two of the articles need to relate to the use of adaptive/assistive technologies in education. Two articles need to talk about the impact and implications on educational technology of initiatives such as Common Core, Smarter Balanced Assessment, NWEA: MAP, DreamBox, Khan Academy, etc. The subject of the fifth article will be podcasting in education. React to each article based on your experiences. It is expected that each summary and reaction be prepared using a word processor or typewriter, be at least two full pages in length, and list full bibliographic information in APA or MLA format. Assignments Due: 01/27, 02/10, 02/24, 03/24, 04/07

Demonstrate the ability to use database management, word processing and spreadsheet software for instructional support purposes. Assignment Due: 02/03

Develop and complete a METS based PowerPoint project. Assignment Due: 02/17
This project must be developed using the Michigan Educational Technology Standards for Students (2009).
You must specifically state which standard is covered, both by numeric reference and in text.

Develop and complete a sample classroom website. Assignment Due: 03/03

Construct a METS based multimedia presentation using iMovie. Assignment Due: 03/31
This project must be developed using the Michigan Educational Technology Standards for Students (2009).
You must specifically state which standard is covered, both by numeric reference and in text.

Prepare a self-evaluation of your entry-level information technology skills using the Michigan Department of Education’s standard seven. Assignment Due: 04/21

Develop and complete a Podcast project. Assignment Due: 04/21

Complete three quizzes. Assignments Due: 03/03, 04/14, 04/21
The first quiz will be based on articles referenced in class presentations on February 24.
The second quiz will be based on articles referenced in the class presentation on April 7.
The third quiz will be based on articles referenced in the class presentation on April 14.

The use of notes, computers and any other form of electronic media or technology will not be permitted during the quizzes.

ASSIGNMENT SUBMISSION POLICY:
All assignments must be submitted for evaluation on or before the due date. Papers may be submitted in printed format or sent to the instructor electronically as e-mail attachments (Microsoft Word only). Any paper submitted electronically will be acknowledged. If you receive no reply to an electronically submitted assignment within 72 hours, contact the instructor. Assignments not completed will receive a score of 0. Scores on late assignments will be reduced one letter grade per week. Any assignment submitted after April 21st will not be accepted.

The quality and presentation of written assignments are expected to reflect the fact that the writer will soon be entering, or is currently engaged in, the field of education. Grammatical, spelling and typographical errors reflect poorly on the writer and the profession. Papers submitted with a plethora of errors will be evaluated accordingly.

CLASS ATTENDANCE POLICY:
Inasmuch as no textbook is required, it is imperative that students attend each class session, as this will be a course requiring students to interact directly with microcomputers and educational software on a weekly basis. The software to be used is network based, and copyright restrictions prohibit use off the school site. Unexcused absences will be reflected in the final grade for the course, as attendance will constitute ten percent of the final grade. A student with perfect attendance would receive 100% for the attendance component. Each unexcused absence will reduce that percentage by approximately 7%. The first absence is an excused absence. Any subsequent absences are unexcused absences.
An attendance sign up sheet will be provided at each class. It is the student’s responsibility to sign in at the beginning of each class.

SEVERE WEATHER CANCELLATION POLICY:
Class will not meet on any evening when the Macomb Community College or Wayne State University cancels classes. In addition, class will not meet when the Utica Community Schools cancels classes and the class that evening is scheduled to meet at Burr Elementary.

PLAGIARISM:
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.

CLASS SCHEDULE:
This class schedule is subject to change as the availability of the UC computer classroom dictates.

Monday, 01/06 - (UCM)  No Class: University Closed
Monday, 01/13 - (UCM)  Course Introduction, MDE Standard 7, Windows OS: Database (Excel)
Monday, 01/20 - (------)  No Class: University Closed
Monday, 01/27 - (UCM)  Windows OS: Word Processing (Word), Spreadsheet (Excel) [Article Review 1]
Monday, 02/03 - (UCM)  Windows OS: Ability Demonstration [Ability Demonstration]
Monday, 02/10 - (UCM)  Windows OS: PowerPoint I, Educational Technology Standards [Article Review 2]
Monday, 02/17 - (UCM)  Windows OS: PowerPoint II [PowerPoint Project]
Monday, 02/24 - (Burr)  Macintosh OS: Classroom Website I [Article Review 3]
Monday, 03/03 - (Burr)  Macintosh OS: Classroom Website II [QUIZ 1, Classroom Website Project]
Monday, 03/10 - (------)  No Class: University Closed
Monday, 03/17 - (Burr)  Macintosh OS: iMovie I
Monday, 03/24 - (Burr)  Macintosh OS: iMovie II [Article Review 4]
Monday, 03/31 - (Burr)  Macintosh OS: iMovie III [iMovie Project]
Monday, 04/07 - (UCM)  Copyright, AUP, Ethics [Article Review 5]
Monday, 04/14 - (Burr)  Podcast I, Adaptive/Assistive Technologies [QUIZ 2]
Monday, 04/21 - (Burr)  Podcast II [QUIZ 3, Podcast Project, MDE Standard 7 Self-Evaluation]

EVALUATION AND GRADING:
Class Attendance, 10%
Article Reviews, 10%
Ability Demonstration, 12%
MDE Standard 7 Self-Evaluation, 5%
iMovie Project, 12%
Classroom Website, 12%
PowerPoint Project, 12%
Podcast Project, 12%
Quizzes, 15%

All grading components will be evaluated on the following scales:

Undergraduate:
A: 93 - 100%
A-: 90 - 92%
B+: 87 - 89%
B: 83 - 86%
B-: 80 - 82%
C+: 77 - 79%
C: 73 - 76%
C-: 70 - 72%
D+: 67 - 69%
D: 63 - 66%
ENROLLMENT / WITHDRAWAL POLICY:
Beginning in Fall 2011, students must add classes no later than the end of the first week of classes. This includes online classes. Students may continue to drop classes (with full tuition cancellation) through the first two weeks of the term.

Students who withdraw from a course after the end of the 4th week of class will receive a grade of WP, WF, or WN.

- WP will be awarded if the student is passing the course (based on work due to date) at the time the withdrawal is requested
- WF will be awarded if the student is failing the course (based on work due to date) at the time the withdrawal is requested
- WN will be awarded if no materials have been submitted, and so there is no basis for a grade

Students must submit their withdrawal request on-line through Pipeline. The faculty member must approve the withdrawal request before it becomes final, and students should continue to attend class until they receive notification via email that the withdrawal has been approved. Beginning in Fall 2011, the last day to withdraw will be at the end of the 10th full week of classes. The withdrawal date for courses longer or shorter than the full 15-week terms will be adjusted proportionately.

ATTENTION STUDENTS WITH DISABILITIES:
If you have a documented disability that requires accommodations, you will need to register with Student Disability Services (SDS) 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. SDS telephone number is 313-577-1851 or 313-577-3365 (TDD 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.

RELIGIOUS OBSERVANCE POLICY:
Because of the extraordinary variety of religious affiliations represented in the University student body and staff, the Wayne State University calendar makes no provision for religious holidays. It is University policy, however, to respect the faith and religious obligations of the individual. Students who find that their classes or examinations involve conflicts with their religious observances are expected to notify their instructors well in advance so that alternative arrangements as suitable as possible may be worked out.