Technology Tools for Secondary School Mathematics
MAT 326 – Section 1 – Fall 2012: Monday 4:40-7:30 pm

Instructor: Dr. Roger Day day@ilstu.edu (309) 438-3055

Office: STV 301J  Office Hours: MWAR: 11-11:45; MWR: 1-1:30; else by appointment

Mathematics Office: (309) 438-8781

Prerequisites: C or better in MAT 175; department approved graphing calculator required.

Course Description: Integrating technology into the secondary mathematics curriculum.

Objectives: Students will be expected to:

1) master the use of specific technology for teaching and learning mathematics;
2) become acquainted with publications and other resources dealing with technology;
3) become more familiar with the Internet as a tool and resource for teaching and learning;
4) reflect on effective ways to integrate technology into secondary school mathematics; and,
5) understand and begin to meet various state and national technology standards.

Calculators: Each student is required to have a TI-89 or TI-Nspire (CAS) for her or his daily use. Other graphing calculators may be acceptable; please see the instructor.

Cooperative Groups: Students will work in three- or four-person teams for some classroom tasks, discussions, and projects. Students are expected to be active participants in all such cooperative activities. To be most successful, it’s essential for us to establish an atmosphere of respect for each other and for the opinions of others.

Attendance: Each student is expected to attend every class and be on time. Attendance will be recorded for each class meeting. Unexcused absences will result in the reduction of the final course grade. Excused absences include serious illness and required university business; documentation is necessary for an excuse to be considered. Whenever possible, communicate with me in advance about absences.

Homework: Weekly assignments will be given and are typically due at the start of, or before, the next class meeting, unless otherwise noted. Late submissions will be penalized with a grade reduction that escalates as time passes.

Participation: Participation points may be earned for in-class and in-group activities.

Exams: There may be a mid-term exam and there will be a cumulative semester exam/project. Make-up exams in the case of serious illness will be considered only if arrangements are made in person, by phone, or by e-mail prior to the beginning of the exam.

Grading: Semester grades are determined by each student's performance on weekly assignments (70%), class discussion and in-class activities (10%), exams/projects (20%), and other course requirements. The grading scale will be no more severe than A: [92,100]; B: [83, 92]; C: [74, 83); D: [65, 74); F:[0, 65). Please note that all graduate students enrolled in the course will have additional required assignments, established on an individual basis with the instructor.

Email: Please use email as your primary method of communicating with me. I make every effort to respond to email messages in a timely manner. Please check you ISU email regularly!
**Professional Expectations:** To assure that everyone can fully participate in class, it is expected that all students will engage in class discussions and attend to all presentations and contributions from the instructors and other students. Likewise, it is expected that no student will attend to potential distractions such as email, cell phones, text messaging, web surfing, off-topic conversations, or other inappropriate activities. This means that all cell phones should be turned off and put away. The primary goal of the course is to help each student learn the content to the best of his or her ability. Any activity that does not support that goal is inappropriate for class time and may result in a disposition concern form and removal from the classroom.

**Honor Code:** You are expected to uphold the highest standards of integrity with all your classwork, assignments, tests, presentations, and projects. Individual work should be completed as such. Group work should be prepared cooperatively, with equal contributions from all group members. Maintain group integrity by sharing ideas within, but NOT across, groups. When a group grade is assigned, the same grade is earned by all members of the group, unless there is indication of unequal effort or contribution. **When drawing on the ideas of others, please provide appropriate acknowledgement and citations, including the URL of web-based citations. It is not appropriate to use solution guides from previous semesters as a resource for graded work.** Please see me if you need any clarification of these policies. More information about academic integrity can be found in the *Code of Student Conduct available at* www.deanofstudents.ilstu.edu.

This syllabus provides a general plan for the course; deviations may be necessary or desired and may occur without prior notice.

*Any student needing to arrange a reasonable accommodation for a documented disability should contact Disability Concerns at 350 Fell Hall, 438-5853 (voice), 438-8620 (TDD).*

**Important Dates**

**AUGUST**
20  Fall 2012 Classes Begin
29  Last day for graduate students to apply for December graduation
31  Fall 2012 Registration & Program Change Ends
31  Last Day to Place a Course on Pass/Fail or Audit
31  Last Day to Drop a Course with no Withdrawal Grade and Full Refund

**SEPTEMBER**
3   Labor Day Holiday - No Classes
7   Last day for undergraduate students to apply for December graduation
14  Last Day to Drop a First-Half Semester Course
14  Last Day to Drop Pass/Fail or Audit from First-Half Semester Course
18  Last day to drop a full-semester course-Receive 25% tuition refund

**OCTOBER**
1   Spring 2013 Course Information Available on My Illinois State
1   Illinois State University Homecoming
1   Spring 2013 Registration Time Assignments available after 1pm
8   Advanced Registration Open-Spring 2013
12  Last Day to Drop a Full-Semester Course
12  Last Day to drop pass/fail or audit option from full-semester course
15  Second-half courses begin
18  Last day to drop second-half course with no withdrawal grade & full refund

**OCTOBER (continued)**
8   Advanced Registration Open-Spring 2013
12  Last Day to Drop a Full-Semester Course
12  Last Day to drop pass/fail or audit option from full-semester course
15  Second-half courses begin
18  Last day to drop second-half course with no withdrawal grade & full refund

**NOVEMBER**
17  Thanksgiving Vacation begins at 12:00 Noon
17  Fall Break
26  Classes Resume
26  Spring 2013 Registration & Program Change Open

**DECEMBER**
7   Last Day to complete three-finals-on-same-day paperwork
8   Last day of classes
8   Fall 2012 Finals Week
14  Fall 2012 semester ends
14  Spring 2013 Registration & Program Change Closes
15  Winter Commencement 2012
18  Fall 2012 Final Grades due by noon
19  Fall 2012 Grades available after 2pm