

**SEC 477 TEACHING MATHEMATICS MGE 477 TEACHING MIDDLE
SCHOOL MATHEMATICS
Fall, 2008**

Dr. Wanda Weidemann

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Office Hours

(in TCCW 325)

MW 1:00-3:00 p.m.

TR 9:00-11:00 a.m.

Other office hours available by appointment

Prerequisites: Admission to Teacher Education

SEC 477: EDU 250; SEC 351, 352; PSY 310

MGE 477: MGE 275; PSY 310; MATH 211 and 212

Course description:

SEC 477: Develops the skills, procedures, and strategies for teaching mathematics in the secondary school. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

MGE 477: Cooperative learning, manipulatives, technology and problem solving are modeled, discussed, and applied using methods and materials appropriated for middle school students. Field experiences in public schools and/or other appropriate settings away from campus are required in this course. Students are responsible for arranging their own transportation to designated or assigned sites.

Disability Accommodations Statement:

Student Disability Services

In compliance with university policy, students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Office for Student Disability Services in DUC A-200 of the Student Success Center in Downing University Center. Please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from the Office for Student Disability Services

Textbook: *Teaching Secondary and Middle School Mathematics*, 3rd edition by Daniel J. Brahier (Allyn & Bacon, 2009)

Special Instructional Materials:

- *Principles and Standards for School Mathematics* (National Council of Teachers of Mathematics, 2000) or enrollment in the free 120-day access through www.nctm.org
- Access to free 120-day Prospective Teacher Sampler available at <http://sampler.nctm.org>
- Videotape for taping lesson in school

Recommended: Membership is Western Kentucky Council of Teachers of Mathematics (\$3.00)

Field Work Component:

Field experiences (a minimum of 15 hours) are required in this course. Hours are earned during regularly scheduled class periods. Students are responsible for arranging their own transportation to their assigned sites. **Field work will be assigned. Hours earned via your own arrangements and without prior approval by the instructor will not be honored.** If you must be absent from your field work, you are to call the school and Dr. Weidemann prior to your absence. **Makeup hours must be earned at the school to which you are assigned.** Unexcused absences may result in an “F” for the fieldwork component.

Physical examination, TB test, and criminal background check documents must be on file in the Office of Teacher Services before a student is allowed to do fieldwork. If you have not filed these documents in prior classes, **please do so immediately.**

Assignments: All critical performances must be typewritten. Other assignments may be handwritten provided they are legible. Since you are preparing to become a professional, neatness and correct use of grammar will be part of your grade for each assignment. Please do not use a font less than 12 unless absolutely necessary. Except in extenuating circumstances, there may be a penalty for assignments turned in late unless you have the permission of the instructor.

Each student will be assigned the grade he/she has on the Wednesday of final exam week. Incompletes will be given only in emergency situations.

Portfolio: All critical performances must be uploaded to the student’s electronic portfolio before a grade for this class will be reported. In addition to the electronic portfolio, it is recommended that you keep a working portfolio of assignments from this class. When you get ready to apply for jobs, the person in charge of hiring may require that you show samples of your work. Lesson plans, videotapes, and other products from your methods class will provide information that employers often request.

Attendance: Attendance will be recorded at the beginning of class. If you are tardy, it is your responsibility to see the instructor after class to be sure that the recorded absence is changed to a tardy. **If you must be absence from a field work assignment, you must notify Dr. Weidemann and the teacher at the school in which the field work is scheduled. Failure to notify the classroom teacher will result in a 20-point deduction.** Absences from class or field work for frivolous reasons will be penalized.

Grading: Grades will be based on several assessments as outlined below:

Lesson plan 1: Initial lesson plan that involves active involvement

By students AND either manipulatives, technology,
or a unique way to present material included in

Core Content and/or Program of Studies

Unit plan:	Draft: Learning Goals (Critical performance)	20
	Draft: Assessment Plan (Critical performance)	20
	Draft: Design for Instruction (Critical performance)	20
	Daily lesson plans and assessments (including final drafts of learning goals, assessment plan, and design for instruction)	100
Field work:	Journal	20
	Analysis of student work and feedback	20
	Bulletin board	20
	Lesson plan, videotape, reflection	100
	Evaluation by classroom teacher	20
Data Analysis/implications		20
Quizzes, homework, presentations and projects		Amounts vary

Deductions will be made for tardiness and absences as outlined above.

Grades will be determined by dividing the total number of accumulated points by the total number of possible points to determine a percentage. Grades will be based on the following scale:

92-100% A; 84-91% B; 76-83% C; 70-75% D; Below 70% F

Academic Integrity
(WKU Student Handbook)

"The maintenance of academic integrity is of fundamental importance to the University. Thus it should be clearly understood that acts of plagiarism or any other form of cheating will not be tolerated and that anyone committing such acts risks punishment of a serious nature.

Academic Dishonesty - Students who commit any act of academic dishonesty may receive from the instructor a failing grade in that portion of the course work in which the act is detected or a failing grade in a course without possibility of withdrawal. The faculty member may also present the case to the Office of Student Life for disciplinary sanctions. A student who believes a faculty member has dealt unfairly with him/her in a course involving academic dishonesty may seek relief through the Student Complaint Procedure.

Plagiarism - To represent written work taken from another source as one's own is plagiarism. Plagiarism is a serious offense. The academic work of a student must be his/her own. One must give any author credit for source material borrowed from him/her. To lift content directly from a source without giving credit is a flagrant act. To present a borrowed passage without reference to the source after having changed a few words is also plagiarism.

Cheating - No student shall receive or give assistance not authorized by the instructor in taking an examination or in the preparation of an essay, laboratory report, problem assignment or other project which is submitted for purposes of grade determination.

Other Types of Academic Dishonesty - Other types of academic offenses, such as the theft or sale of tests, should be reported to the Office of Student Life for disciplinary sanction." <http://www.wku.edu/Dept/Support/StuAffairs/StuLife/handbook/PIPolicy/14AcademicOffenses.htm>