

## MAT 117 — Mathematical Concepts — Spring 2011

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**Instructor:** Dubravko Ivanišić [pronunciation: DOO-brahv-ko EE-vahn-shich] Ivanišić is the last name.

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**Office:** Faculty hall 6A1 (in the Department of Mathematics and Statistics annex)

**Course webpage:** (A link to this has also been placed on Blackboard.)  
*<http://campus.murraystate.edu/academic/faculty/divansic/11spring/117home.html>*

**Office Hours:** Ask me or check the webpage.

**Prerequisites:** ACT math standard score of at least 19 or MAT 100.

**Textbook:** Allen Angel, Christine Abbott and Dennis Runde: A Survey of Mathematics with Applications, **8th edition** (old editions will not work!). We plan to cover chapters (or portions of chapters) 11–15.

**Homework and worksheets:** The list of homework problems may be found on the webpage and each section will be assigned after we cover it. You are not required to turn in homework, but are expected to answer questions over it when we discuss it in class. Furthermore, to promote a continuous effort in the course you will be given worksheets (usually to do at home) and will be tested over the material frequently. The worksheets will contain some representative problems, but to succeed on tests it will not be enough to just do the worksheets — you will need to work on all of the homework problems. Late worksheets will lose points.

**Don't fall behind:** MAT 117 touches on several applications of mathematics on everyday life. The applications should not be difficult to understand, however, they do demand that effort be put into working out a fair number of examples. (Mathematics is best learned by doing.) To ensure that you can do the problems independently you will need to work them out on your own. For quality results, expect to spend at least one to two hours of study time for every hour of class time. Furthermore, if some things aren't clear to you, come to me for help as soon as possible, and not the day before the exam...

**Attendance:** is strongly encouraged every day, and roll will be taken. If you missed four or fewer classes during the semester, you get 3% bonus points. Note that you are not penalized for missing a class (the points are in excess to your total grade), so an absence is counted as such regardless of the reason (“excused” or not).

**Participation in class:** is strongly encouraged, as your questions indicate what points need to be addressed in more detail. We will go over some homework in class. You are expected to have worked the problems at home in order to both ask and answer questions on the homework. To encourage participation, a portion of your final course grade will be based on how active you are in class. In order to earn points, you need to be able to answer a homework question when called on.

**Exams:** There will be four exams whose dates will be announced well in advance.

**Final exam:** is comprehensive and will be held in our usual classroom on:

Monday, May 9th, at 10:30AM for class meeting at 11:00

Wednesday, May 11th, at 1:30PM for class meeting at 2:00

**Grade:** For your final grade, each of the four exams is worth 20%, all other graded work (for example, worksheets) is worth 15%, and participation in class is worth 5% of the total. Your final exam grade replaces your poorest exam grade if it is better, so if you are happy with your exam scores during the semester, you don't have to take it. (Note that getting a good grade on the final is more difficult than on a regular exam, since it covers the whole semester.) No extra credit work will be given to repair your grade. The final grade scale is approximately

90%–100%=A, 80%–89%=B, 70%–79%=C, 60%–69%=D, 0%–59%=E.

**Make-ups:** Make-ups for exams will be given only in cases of illness, field trips or other unavoidable circumstances. You will need to provide written verification of the reason for your absence in advance and as soon as possible. If you are unexpectedly absent from an exam, contact me by phone or e-mail **that same day** and arrange to take a make-up. The make-up should occur *soon*, which typically means “before I return the exam”. Make-ups for other graded work will be given at my discretion. Asking for a make-up more than once makes it less likely that I will grant it.

**Academic honesty policy:** In compliance with the Board of Regents policy on academic integrity, instances of academic dishonesty, as determined by the instructor, will result in zero points for the assignment and possibly a grade of “E” for the course.

**Non-Discrimination Policy Statement:** Murray State University endorses the intent of all federal and state laws created to prohibit discrimination. Murray State University does not discriminate on the basis of race, color, national origin, gender, sexual orientation, religion, age, veteran status, or disability in employment, admissions, or the provision of services and provides, upon request, reasonable accommodation including auxiliary aids and services necessary to afford individuals with disabilities equal access to participate in all programs and activities. For more information, contact Sabrina Y. Dial, Director of Equal Opportunity, Murray State University, 103 Wells Hall, Murray, KY 42071-3318. Telephone: 270-809-3155 (voice), 270-809-3361 (TDD).