

MAT 3501 - Numbers, Functions, Modelling - F'16 TR 9:30-10:45 - VH 131

Textbook: "The Mathematics that every secondary school math teacher needs to know", by Sultan and Artzt, ISBN 978-0-415-99413-2

Instructor: Tedi Draghici

Office: DM 432B Phone: (305) 348-2028

E-mail: draghici@fiu.edu

Office Hours: TuTh 14:00-15:15

Web: <http://www.fiu.edu/~draghici>

Pre-requisite and expectations: Calculus 2, Discrete Mathematics are the pre-requisite courses. If you don't have these courses, you should see me. We will often consider concepts from these prerequisite courses, but we will expand the horizon on these concepts and the relations between them. Often only certain highlights of a section will be presented in lecture in class, but you are responsible to read all the required material from the text. You should devote ample time to work out all the suggested homework problems. Exam questions will come primarily from the suggested homework. The daily topics and the suggested assignments will be recorded on the class website (see my homepage). You are expected to acquire a certain degree of mathematical maturity from this course, you will be asked to understand, reproduce and conceive basic proofs.

Method of Evaluation: Your final grade in the course is based on:

1. Worksheets/class activity/homework - 30%
2. Project and presentation - 20%
3. Midterm exam - 20% - Thursday, October 20.
4. FINAL EXAM - 30% - Tue, December 6, 9:45-11:45.

Grade-scale: The following percentages will guarantee the associated grade:

> 90	: A	80-85	: B	65-75	: C	< 50	: F
88-90	: A-	78-80	: B-	55-65	: D		
85-88	: B+	75-78	: C+	50-55	: D-		

NO MAKEUP for missed classwork. If you have a **documented** medical or professional excuse, the missed classwork may be replaced by the average of the rest.

Attendance: You will often have class group work (sometimes collected), so attendance is, in effect, mandatory.

Drop deadlines - Last day to drop/withdraw with tuition refund: Mon. Aug. 29;
-- Last day to drop with a DR grade (but no refund): Monday, October 31.

Topics to be covered: Selected sections from Chapters 1-9 in the textbook. These sections will be precisely indicated on the class website, as well as the corresponding suggested exercises from the textbook. You have to check the webpage often for updates. You are expected to spend a minimum of 15 hours a week outside of class on homework and reading the corresponding sections of the text. Try not to fall behind. I encourage you to work in groups.

FIU-Teach Master Teacher: Mrs. Maria Campitelli will facilitate group work in class. She will also be available outside class for help with projects or any assignments. In particular, the reflection on teaching aspect of your project should be discussed with her.

The instructor reserves the right to make any changes he considers academically advisable. These eventual changes would be announced in class and recorded on the website. You are responsible to be aware of them.