

MSUBILLINGS	M 105-003 Contemporary Mathematics	CRN: 61445
Classroom	HSCT 107	
Class Day/Time	Monday-Wednesday-Friday from 1:50 to 2:50 p.m.	
Textbook	Thinking Mathematically 5th Edition by Robert Blitzer with Math XL, (Text has been customized for MSU Billings.)	
Catalog Description	Prerequisite: MATH 095, appropriate placement test score or three years of high school mathematics. Students will be introduced to a variety of topics that are useful in our contemporary world.	
Course Goals	The purpose of this course is to 1.) help students to acquire knowledge of fundamental mathematics 2.) show students how mathematics can be used to solve authentic problems that apply to their lives and 3.) enable students to develop problem-solving skills, while fostering critical thinking, within an interesting setting	
Calculator	At a minimum, a scientific calculator is required for this course. Bring it and use it!	
Instructor	Barb Pedula	
Office Location	HSCT 104	
Office Hours	Monday 12:40 to 1:40 p.m. Tuesday 4:30 to 5:30 p.m. Wednesday 10:20 to 11:20 a.m. Thursday 12:00 to 1:00 p.m. Friday 12:40 to 1:40 p.m.	Additional office hours are available by appointment.
Phone	247-3068	
e-mail	bpedula@msubillings.edu	
web site	http://www.msubillings.edu/cotfaculty/pedula/	
Courtesy	Please refrain from receiving or sending calls from cell phones during class. If the device must remain on during class, please set the ringer to vibrate.	

<p>University Policies</p>	<p>This course is governed by all MSU-Billings policies and procedures as specified in the Student Handbook. (http://www.msubillings.edu/studenthandbook) In particular:</p> <ul style="list-style-type: none"> • The policy of nondiscrimination in employment practices and in admission, access to and conduct of educational programs. • MSU Billings is committed to providing equal access. If you anticipate barriers related to the format or requirements of this course, please meet with me so that we can discuss ways to ensure your full participation in the course. If you determine that disability-related accommodations are necessary, please contact Disability Support Services (247-3029; located in the Tech Building, room A008). We can then plan how best to coordinate your accommodations. • The Code of Student Conduct will be followed for any academic-related matter.
<p>Helpful resources</p>	<ul style="list-style-type: none"> • Tutoring is available on a drop-in basis at the COT Academic Support Center from 8 a.m. to 6 p.m. Monday through Thursday and 8 a.m. to 5 p.m. on Friday. • Online tutoring is now available at http://www.msubillings.edu/asc/Online_Tutoring_Center.htm • Tutoring is also available at the Academic Support Center on the other MSU-Billings campus on Mon-Thur from 8 a.m. to 7 p.m.; on Fri from 8 a.m. to 5 p.m.; and on Sat from 9 a.m. to noon. • Your instructor has office hours. These hours are dedicated to students and their questions. • Classmates make great study groups. Get to know & work with each other.
<p>Math XL</p>	<p>http://www.mathxl.com/login.htm</p> <p>The Course ID for your course is: XL0K-F1DD-601Y-7UM2</p> <p>The name of the course for MathXL is M_105-003 Contemporary Mathematics FALL 2010</p>
	<p>Be responsible! Be prepared! Be inquisitive! Be courteous! Work with each other! Ask questions! Get help when needed! Remember that you are responsible for yourself!</p>

Grading Policy

Chapter Exams

There will be four exams throughout the semester. Each exam is worth 100 points. It is possible that one of the exams or a portion of an exam may be a take home exam. **No make-up exams** will be given unless the student receives permission to take an exam prior to exam day. You may request to make up an exam; however, be prepared to have the request denied.

Homework Notebook and Graded Assignments

Maintaining a homework notebook is strongly suggested. The notebook will not be evaluated; however, students will be allowed to use their notebook during the final exam. Additional practice problems will be available for study via MathXL. (More information on MathXL will be discussed later.)

There will be at least five specific hand-written homework assignments given, collected, and graded throughout the term. Graded homework assignments are due at the start of the following class. Each homework assignment will be worth 10 points. The quizzes assigned in MathXL, each worth 10 points, also count as graded homework scores. **No late homework will be accepted** for a grade. Only the scores from the 10 best graded homeworks/MathXL quizzes will be used to determine the “homework grade.”

Final Exam

A cumulative final exam will be given at the end of the semester. The final is worth 200 points. The final exam percentage score can be used to replace a low score on one of the three exams, OR the graded homework total.

Attendance and Participation

Success in this course depends highly upon student participation and attendance. If a class is missed, it is the responsibility of the student to obtain class notes and suggested homework problems from another student. One of the homework scores will be solely based upon student contribution to class discussion or board work.

Grading Scale

A	94 or higher	C+	77 or 79
A-	90-93	C	70 to 76
B+	87 to 89	D	60 to 69
B	84 to 86	F	59 or lower
B-	80 to 83		

Keep track of your grades. At any time during the semester you may figure your approximate percentage score by finding the sum of all of your scores and dividing by the total number of points possible at that time of the semester.

Exam I _____ Exam II _____ Exam III _____ Exam IV _____.

HW1 _____ HW 2 _____ HW 3 _____ HW 4 _____ HW 5 _____ HW 6 _____ HW 7 _____.

M-XL1 _____ M-XL2 _____ M-XL3 _____ M-XL4 _____ M-XL5 _____ M-XL6 _____ M-XL7 _____.

MSU BILLINGS

Tentative Calendar for Fall 2010

Contemporary Mathematics

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
		Sept 8 Course overview 1.1 Inductive/Deductive Reason	Sept 9	Sept 10 1.1 Inductive/Deductive Reason
Sept 13 1.2 Estimation, Graphs & Models	Sept 14	Sept 15 1.3 Problem Solving	Sept 16	Sept 17 1.3 Problem Solving
Sept 20 5.7 Arithmetic and Geometric Sequences	Sept 21	Sept 22 5.7 Arithmetic and Geometric Sequences	Sept 23	Sept 24 EXAM 1
Sept 27 2.1 Basic Set Concepts	Sept 28	Sept 29 2.2 Subsets	Sept 30	Oct 1 2.3 Venn Diagrams & Set Operations
Oct 4 2.4 Set Op & Venn Diag. (3set	Oct 5	Oct 6 2.4 Set Op & Venn Diag. (3set	Oct 7	Oct 8 2.5 Survey Problems
Oct 11 EXAM 2	Oct 12	Oct 13 3.1 Statements, Negations, and Quantified Statements	Oct 14	Oct 15 3.2 Compound Statements and Connectives
Oct 18 3.3 Truth Tables for Negation, Conjunction, and Disjunction	Oct 19	Oct 20 3.3 Truth Tables for Negation, Conjunction, and Disjunction 3.4 Truth Tables for Conditional and Biconditional	Oct 21	Oct 22 3.4 Truth Tables for Conditional and Biconditional
Oct 25 3.5 Equivalent Statements and Variations of Conditional Statements	Oct 26	Oct 27 3.6 Negations of Conditional Statements and DeMorgan's Laws	Oct 28	Oct 29 3.6 Negations of Conditional Statements and DeMorgan's Laws 3.7 Arguments and Truth Tables
Nov 1 3.7 Arguments and Truth Tables	Nov 2 No classes	Nov 3 3.8 Arguments and Euler Diagrams	Nov 4	Nov 5 EXAM 3
Nov 8 5.6 Exponents and Scientific Notation	Nov 9	Nov 10 6.1 Percent, Sales and Income Tax	Nov 11 No classes	Nov 12 6.2 Simple Interest
Nov 15 6.3 Compound Interest	Nov 16	Nov 17 6.3 Compound Interest 6.5 Installment, Amortization, and Credit Cards	Nov 18	Nov 19 6.5 Installment, Amortization, and Credit Cards
Nov 22 Major Purchases Project	Nov 23 Last day to withdraw (Sig req)	Nov 24 Thanksgiving Break	Nov 25 No classes	Nov 26 Thanksgiving Break
Nov 29 4.1 Hindu Arabic and Positional Systems	Nov 30	Dec 1 4.2 Number Bases in Positional systems	Dec 2	Dec 3 4.3 Computations in Positional Systems
Dec 6 EXAM 4	Dec 7	Dec 8 COT Math Competency Evaluation	Dec 9	Dec 10 REVIEW
Dec 13	Dec 14	Dec 15 FINAL EXAM 1 to 3 p.m.	Dec 16	Dec 17

