

T101

MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS SYLLABUS SPRING 2012

INSTRUCTOR: Kimberly Bonacci
OFFICE: **Physical Sciences Building 020B**
OFFICE HOURS: MTWR 8:00 - 9:00am, by appointment in afternoon
Friday By appointment
PHONE/VOICEMAIL: 941-2132
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COURSE OBJECTIVES

By the end of this course, students should be able to:

- ❖ Apply and adapt a variety of appropriate strategies to solve problems
- ❖ Investigate various types of patterns and sequences
- ❖ Explore Numerations Systems – historical and base
- ❖ Examine algebraic thinking – representing the idea of a variable as an unknown using a letter, solve algebraic equations using different methodologies
- ❖ Investigate the concept of a function in various ways
- ❖ Study Set Theory – terminology, operations, problem solving
- ❖ Investigate single-digit arithmetic in whole numbers and integer using a variety of models
- ❖ Perform whole number operations in base ten and other bases
- ❖ Explore the different techniques of mental mathematics and estimation
- ❖ Perform operations with and use properties of integers
- ❖ Solve problems involving sets and functions
- ❖ Work in groups to solve problems

REQUIRED CLASS MATERIALS

(NOTE: THE TEXTBOOK IS NOT OPTIONAL)

- ❖ ***A Problem Solving Approach to Mathematics for Elementary School Teachers*, 10th edition**, by Billstein, Libeskind and Lott, Pearson Addison Wesley Publishing Company. **UNBOUNDED.**
- ❖ ***MyMathLab*** (aka ***CourseCompass***) access code. This code should come in the shrink wrap “textbook bundle” that you purchase in the IUS bookstore.
- ❖ ***Calculator – TI-30XS Multiview*** (Approx. \$15 - \$20)
This is the approved, required calculator for all T-classes and is the only calculator that will be allowed on exam days. However, there will be times when you will not be permitted to use a calculator on test or quiz problems. YOU MAY NOT USE ANY CELL PHONE, PDA, etc. as a calculator during examinations – ever!
- ❖ ***Pre-printed Class Notes from instructor’s webpage***

OPTIONAL CLASS MATERIALS

- ❖ ***Student Solutions Manual***. This manual shows solutions to the homework problems from the textbook. It is also available for your use without charge in the Math Lab. Just ask the tutor to borrow the binder and return it before leaving the lab.

EXAMS (75% of your grade)

There will be 4 chapter exams (worth 12.5% each or 50% total) and a cumulative Final Exam (worth 25%). These exams will be taken in class on the scheduled days. Bring PENCILS and ERASER.

See MAKE-UP EXAMS below for penalty not showing up to take an exam.

HOMEWORK (10% of your grade)

Homework for T101 comes in two forms. **DO BOTH TO BE PROPERLY PREPARED FOR THE EXAMS!**

1. **TEXTBOOK:** There will be problems assigned from the textbook which support the lesson and the online homework. These questions are specifically listed on the Course Schedule. The homework from the textbook will never be collected nor graded nor do they have a due date. *However, I will use the textbook questions in preparing the exams. Don't be surprised when a textbook question appears on the exam!*
2. **MYMATHLAB:** This course utilizes **MyMathLab (aka CourseCompass)** – an online homework, tutorial, and assessment tool. Homework problems are assigned for each section covered in class. The assignments are online at **coursecompass.com**, along with the due dates. When working homework, you may try each question an unlimited number of times up till the due date (or later – with a penalty for late submission, but not beyond the night before the exam).

See LATE HOMEWORK/QUIZZES IN MYMATHLAB below for penalty for late homework in MML.

QUIZZES (10% of your grade)

This course utilizes **MyMathLab** (aka **CourseCompass**) – an online homework, tutorial, and assessment tool. Section quizzes are assigned in **MyMathLab** (aka **CourseCompass**), along with the due dates, for either one or two sections at a time.

It is best to do the homework first, then attempt the quiz (quiz questions are VERY similar to homework questions). You have 3 tries for each assigned quiz, but to “earn” the second and third try, your homework for the corresponding section(s) must be at least an 85%. **MyMathLab (aka CourseCompass)** uses your BEST score so don't be worried about using all 3 tries. You will see all your tries in the gradebook, but only the best is used in your grade calculation.

See LATE HOMEWORK/QUIZZES IN MYMATHLAB below for penalty for late quizzes in MML.

IN/OUT OF CLASS ACTIVITIES/WORKSHEET (5% of your grade)

There will be **IN/OUT OF CLASS ACTIVITIES/WORKSHEETS** that will be randomly given throughout the course. Under no circumstance will any make-up work be given, nor will I accept assignments after the collection time. **YOU MUST BE PRESENT AND REMAIN FOR THE ENTIRE CLASS TIME TO RECEIVE CREDIT FOR ANY IN CLASS ACTIVITY.**

EXTRA CREDIT

Prior to each exam, there will be an **OPTIONAL EXTRA CREDIT PRACTICE EXAM** on **MyMathLab (aka CourseCompass)**. You can receive up to 5 points, dependent upon your score, that will added to your exam score for that chapter as follows:

100% – 5 points
90% to 99% – 4 points
80% to 89% – 3 points
70% to 79% – 2 points
60% to 69% – 1 point

However, to open the OPTIONAL EXTRA CREDIT, your homework and quiz scores for the associated chapter(s) must be completed to an 85% or higher. You may work this practice exam as many times as you like and your highest score will be used to give extra credit points. **You will not see these points added into your MyMathLab (aka CourseCompass) score; your score will be “omitted”. I will add your points onto your exam score by hand.**

GRADING POLICY

Your course grade will be calculated as follows:	Exams	50%
	Online Quizzes	10%
	Online Homework	10%
	In Class Activities	5%
	Final Exam	25%
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	Total	100%

Note: Any student who fails the Final Exam may not receive a grade higher than a “C” for the course, regardless of their average.

A-	90% - 92%	A	93% - 98%	A+	99% - 100%
B-	80% - 82%	B	83% - 87%	B+	88% - 89%
C-	70% - 72%	C	73% - 77%	C+	78% - 79%
D-	60% - 62%	D	63% - 67%	D+	68% - 69%
F	below 60%	FN	Failure due to Non-attendance		

ATTENDANCE & TARDINESS

Attendance is not optional; it is required. The IUS Bulletin states: “Class attendance is required. Illness is usually the only acceptable excuse for absence from class. Other absences must be explained to the satisfaction of the instructor, who will decide whether missed assignments may be made up.”

- ❖ Attendance will be taken daily. You must be present and remain for the entire class time to receive credit for that day’s attendance.
- ❖ A student absent from class bears the full responsibility for all subject matter missed.
- ❖ No make-ups will be given on any in-class activity.
- ❖ **ATTENDANCE WILL BE TAKEN AT THE BEGINNING OF CLASS. IF YOU MISS IT, EVEN BY A MINUTE OR TWO, YOU ARE MARKED ABSENT FOR THAT CLASS.**
- ❖ By being late or missing class, you are risking the loss of the REWARD at the end of the semester. **(See below for details)**
- ❖ **EXCESSIVE TARDINESS AND/OR ABSENCES:** More than 6 (25% of class time) tardies and/or absences will be considered excessive. If this occurs without a valid reason and documentation (hospitalization or grave illness) then in addition to losing the bonus, your course grade will be reduce one level (ex: B to a B-).

WHAT TO DO WHEN YOU MISS CLASS

- ❖ Watch the VIDEO LESSON that is available on **MyMathLab (aka CourseCompass)** and fill in the notes from the webpage.
- ❖ Contact another student in the class to find out what material was covered during your absence. Ask them to borrow their notes to copy.
- ❖ You are responsible for mastering that material BEFORE THE NEXT CLASS MEETING – just as every other student is also responsible.
- ❖ Use the instructor’s office hours to help clear up any questions.

EXTENDED ABSENCES

If you know that you will be absent (excused of course!) for an extended period of time – particularly when an exam will be given – be sure to communicate with the instructor BEFOREHAND. In doing so, *special arrangements can be made to complete missed work* that would not be ordinarily be available.

END OF THE SEMESTER REWARD

Any student who: **a. earns a 75% or higher on the final exam**
 AND b. has not missed more than 2 classes (excused classes, of course)

may replace their lowest exam grade with their final exam grade (if higher, maximum increase of 20 points). If you are sick or late, these count toward the 2 excused days. *By being late or missing class, you are risking the loss of this REWARD at the end of the semester.*

MAKE-UP EXAMS

Make-up exams will be given in only rare and extreme cases. **You need to contact the instructor regarding making up an exam IMMEDIATELY!! The instructor will know that you are not present for the exam as soon as the exam begins and will be looking for an email or phone call (with callback information) from you. Missing an exam requires a conversation, not an email. Failure to do this may result in NOT GETTING A MAKE UP EXAM.** Failure to do this indicates to the instructor that the exam is not very important to you.

MISSING AN EXAM: You MUST contact me BEFORE the exam time:

- 1. Phone my office (812-941-2132) or email me (kbonacci@ius.edu) and leave a call back phone number. A conversation needs to take place!**
- 2. When I call you back, we will make arrangements for making-up the exam. Most likely it will be at 7:30am the next day.**
- 3. You may be asked to provide WRITTEN DOCUMENTATION for the absence.**
- 4. If you have made arrangements prior to the exam time but have no written documentation, the make-up exam will be graded with NO PARTIAL CREDIT.**
- 5. Make-up exams must be completed BEFORE the next class meeting. Unlike high school, you cannot just show up at the next class and expect to take the exam. It won't happen.**

LATE HOMEWORK/QUIZZES IN MYMATHLAB

Check MyMathLab (aka CourseCompass) DAILY (just like you do your e-mail and texts) to be sure that nothing is due that day!!

Do not wait until the last minute to complete any assignment in MYMATHLAB. If you wait until the day before it is due and run into issues (computer problems, illness, or anything else), then you must take responsibility (the penalty or a 0%) for this procrastination.

HOMEWORK ASSIGNMENTS: If you miss the due date on a HOMEWORK ASSIGNMENT you still may work the assignment (until midnight the day before the exam), however 25% deduction will be taken from any questions completed after the due date.

QUIZZES: A quiz cannot be completed after the due date. If you miss the due date, you get a 0% for that quiz.

Due dates are posted in MyMathLab! NO EXTENSIONS – EVER. DON'T EVEN BOTHER ASKING!

- ❖ If you have off campus computer issues please refer to the document addressing such issues located on my webpage.
- ❖ NOTE: This is a college class and is much different than one taught in high school. We cover a lot of material and have limited class time. You should expect to spend *at least 2-3 hours studying outside of class for each hour spent in class*. That is, **at least** 3 hours after each 1.5 hour class. You cannot expect to master the material from just seeing it explained in class. An important part of learning the material will be the time you spend working outside of class. You will have a great deal more success if you have read and are familiar with the material **before** the lecture. After the lecture, you should re-read the material, study your class notes and **absolutely complete the assigned homework**.

CLASS NOTES & OTHER CLASS MATERIALS

All class notes/reviews/syllabus/schedule can be printed or viewed from my webpage. This should be done BEFORE class begins. If you are printing notes in a computer lab when class begins and end up walking in late, YOU WILL BE MARKED ABSENT for the day. ***It is best to print an entire chapter's notes in one sitting so you have everything ready for the chapter.***

How to access Kimberly Bonacci's webpage and the notes:

- Go to **ius.edu**
- **Under Offices & Services** scroll down to **A-Z List of Webpages**
- Click "**F**" to go to **Faculty, Personal Webpages** and click.
- Scroll down to **BONACCI, KIMBERLY M.** and click.
- Click on **T101 HOMEPAGE**

HELP OUTSIDE OF CLASS

THE MATH LAB

The Math Lab is located at PS 015 and the telephone is 941-2670. The schedule of operation is on the IUS website and on the bulletin board outside of the Lab. This is one of your greatest resources for getting tutoring or homework help free of charge and without scheduling. The Math Lab is also a computer lab in which you can just do homework, quizzes, and print!! Try it, you'll like it!

PRIVATE TUTORS

Please visit the Student Development Center, US 203, (812) 941-2312, to sign-up for a tutor. Most students get a tutor within 24 hours. The cost is about \$5.00 per hour (non-refundable) and must be paid in advance.

For more information: <http://www.ius.edu/sdc/main/assist1.htm>

PEARSON TUTOR CENTER

The [Pearson Tutor Center](#) is staffed by college-level mathematics instructors. As a **MyMathLab** student, you can register for the Pearson Tutor Center at no additional cost: Call 1-800-435-4084 (5:00 PM - 12:00 AM EST, Sun-Thurs). Visit the Tutor Center's registration page to sign up for tutoring. When asked for a registration number, simply provide your **MyMathLab** course ID or student access code.

CELL PHONES AND OTHER FUN TOYS (iPods, etc.)

These should be kept away during class. You may not use your cell phone as a calculator or clock during class or exams. **I DO NOT WANT TO EVEN SEE YOUR CELL PHONE. PUT IT AWAY!** I understand that some of us have family issues/children in which you are the main contact. If you need to take an emergency call, just take it outside of the classroom and come back as quick as you can. This should be a rarity, not regularity.

If you are caught texting you will be instructed to leave class and this will count as an absence.

NO TEXTING - EVER!!!

DISABILITY

Students who have a disability that requires accommodations in the classroom should contact the Office of Services for Students with Disabilities within the first two sessions of the class so that their learning needs may be appropriately met. The student will need to provide documentation of the disability and if testing is needed, recommendations can be provided from the Office of Services for Students with Disabilities in the UCS 207, 941-2243. Additional information about the Office of Services for Students with Disabilities may be obtained at <http://www.ius.edu/asc/disabilityservices>

COMMUNICATIONS WITH INSTRUCTOR

All changes in the course schedule will be made in class. You are responsible for knowing these changes – even if you were not in attendance when the announcement was made. Grades and announcements will be posted in the **MyMathLab** (aka **CourseCompass**) and any individual communications can also be made through e-mail kbonacci@ius.edu or through **MyMathLab** (aka **CourseCompass**) "Ask My Instructor" option. **Do not to use ONCOURSE.**

ACADEMIC MISCONDUCT AND DISHONESTY

Please see the Student Manual for consequences regarding Academic Misconduct and Dishonesty.

The following list of infractions will result in you receiving an automatic 0% on an assignment or exam plus being reported to Dean of Academic Affairs for disciplinary measures:

- ❖ Copying work from another student.
- ❖ Allowing another student to copy your work.
- ❖ Using a cell phone or other banned device (for any reason) during an exam. This means that if you even glance at your cell phone during an exam you are committing academic dishonesty and will receive a 0% plus being reported to Dean of Academic Affairs.
- ❖ Using any notes or other summarized material during an exam.
- ❖ Sharing exam content to another student who has not taken the exam.
- ❖ Using your calculator in a manner not intended during an exam. This inappropriate use is determined solely by the instructor.

Remember that you should be displaying the honesty, professionalism and dispositions of future teachers. These professional mannerisms are shown in your class conduct, your punctuality, your attendance, your completeness of work, and your attitude. Any misconduct can result in the denial of entry to the School of Education. If you decide to cheat, you may be making a career decision.

REVIEW FOR FINAL EXAM

You may print the review for the final exam at any time. There is a link to the review on my webpage or on the Math Lab HomePage on the IUS website. It is encouraged to work the corresponding chapter questions prior to each exam. Note: *If a particular skill is assessed on the final, it is probably assessed on a previous exam.*

INCLEMENT WEATHER

IUS occasionally has weather related issues. If IUS is in session, we will have class. It is your choice to miss class, however doing so will count as an absence if you choose not to come on a weather issue day. ***If an exam is scheduled for that day, you should make every effort to be in attendance so to avoid taking the exam without partial credit.***

IUS will use IU-Notify to inform faculty, staff, and students about weather-related closings and delays. Please to go to OneStart and update your contact information through the Emergency Notification links, in order to insure that you will be notified effectively.

1. Any decision to cancel or delay classes is made as early as possible and IUS will immediately begin the process of notifying the local TV stations. IUS has no control over when or how the media announce the decision. IUS will also send a notice via IU- Notify and will post notices on the campus web site and on the campus phone system (812-941-2567). Note that the lodges will remain open even when the campus is officially closed.
2. IUS does not coordinate our decisions with those of area school corporations. However, if you have a class that meets in a school corporation building and that school is closed, the class will not meet, even if the IU Southeast campus is open. When classes on campus are cancelled, all off-campus classes are also cancelled.
3. A decision to cancel evening classes includes any class that starts before 6 pm but is still in session at 6 pm, as well as any class that starts at 6 pm or thereafter.

Delay Schedule:

Monday through Friday classes:

8 a.m. classes meet from 10 a.m. until 10:55 a.m.
9:30 a.m. classes meet from 11 a.m. until 11:55 a.m.
11 a.m. classes meet from 12 noon until 12:55 p.m.
Other classes meet at regular times.

Saturday Classes:

Morning classes meet from 10:30 a.m. until 12 noon.
Afternoon classes meet at regular times.