



# MA 110 – 1

## Introduction to Mathematics for Business

Number of credits: 3

Prerequisite:

Math 30

Semester: Fall, 2016  
 Days: Tue, Thu 9:45 AM-11:00AM  
 Room: A2131  
 Lab – day: Monday, 2:30PM-3:45PM  
 Lab–Room: A2141

Instructor: John Wiest  
 Email: [jwiest@ambrose.edu](mailto:jwiest@ambrose.edu)  
 Phone: 403-410-6915  
 Office: L2115  
 Office hours: Wed @ 12:00, 14:15, or by drop in.

### Course Description:

Basic concepts in mathematics with applications in business. Topics include linear systems, quadratics, sequences, exponential and logarithmic functions. Applications include compound interest, annuities, and linear programming.

### Further Course Information:

The course consists of 2½ hours of lecture and 1¼ hour of lab/tutorial per week. The course will include 10 lab assignments to be completed online, two in-class quizzes that will be written during tutorial hours, a Midterm, and a Final Exam. The lab assignments will be based on the connect website associated with your course textbook. The Final Exam will be cumulative, although emphasis will be places on materials covered following the Midterm Exam

### Expected Learning Outcomes:

It is the aim of the course that students acquire the following skills:

1. Understanding of basic mathematics involving fractions,

### Important Dates:

First day of classes: September 7, 2016  
 Registration revision period: September 18, 2016  
 Last day to request revised examination: October 24, 2016  
 Last day to withdraw from course: November 14, 2016  
 Last day to apply for time extension for coursework: November 21, 2016  
 Last day of classes: December 12, 2016

**Final Exam: Mon, Dec. 19, 2016**  
**Time: 1:00 PM – 4:00 PM**  
**Room: Airhart**

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- decimals, ratios, proportions, and algebra
2. Understanding of concepts specifically related to business mathematics
  3. Ability to identify and apply correct mathematics strategies and formulas to solve problems related to business mathematics
  4. Ability to perform correct calculations related to specific business math applications

### **Outline:**

1. Review and applications of Basic Mathematics
2. Algebra and Linear Equations
3. Applications of Ratios and Proportions
4. Applications of Linear Equations
5. Simple and Compound interest
6. Ordinary Annuities and Annuities due
7. Loan Amortization
8. Investments

### **Requirements:**

It is highly recommended that all students have a calculator that is capable of financial mathematics including such functions as compound interest, present value, amortizations, and so on. The official calculator of the course is the Texas Instruments BA II PLUS. Students should obtain a calculator with similar functions.

Students are expected to actively participate in and take ownership of their own learning. It is expected that students will be trying sample problems on their own and keeping up with course materials as covered in the textbook.

### **Submission of Assignments:**

All labs will be completed online. Students with the 8<sup>th</sup> edition of the book (or those who want to gain online access to the 8<sup>th</sup> edition) will need to go to

<https://connect.mheducation.com/class/j-wiest-fall-2016>

and register for the online section. There will be 8 to 10 lab assignments to be completed online that must be completed before 11:59 PM on December 18, 2016. **No further submissions beyond this time will be allowed or marked.**

### **Attendance:**

Students are expected to attend all lectures and tutorials to ensure success on exams, and quizzes. Students not attending lectures may find themselves missing information not covered in the textbook. Any student who is absent for an exam or quiz should speak to the professor and, where possible, provide a doctor's note.

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## Evaluation:

Online Labs	30%
Quizzes	10%
Midterm	25%
Final	35%

## Grade Summary:

The available letters for course grades are as follows:

Letter Grade	Percentage	Description
A+	96-100%	
A	91-95%	Excellent
A-	87-90%	
B+	83-86%	
B	79-82%	Good
B-	73-78%	
C+	69-72%	
C	64-68%	Satisfactory
C-	59-63%	
D+	55%-58%	
D	50-54%	Minimal Pass
F	Below 50%	Failure

## Textbooks:

*Business Mathematics IN CANADA*, 8<sup>th</sup> edition, F. Ernest Jerome & Tracy Worswick

## Policies:

All students have received an Ambrose e-mail account upon registration. It is the student's responsibility to check this account regularly as the Ambrose email system will be the professor's instrument for notifying students of important matters (Cancelled class sessions, extensions, requested appointments, etc.) between class sessions. If students do not wish to use their Ambrose accounts, it is highly recommended that they forward all messages from the Ambrose account to the other account.

During the **Registration Revision Period** students may to enter a course without permission, change the designation of any class from credit to audit and /or voluntary withdraw from a course without financial or academic penalty. These courses will not appear on the student's transcript. Courses should be added or dropped on the student portal by the deadline date, please consult the List of Important Dates. After that date, the original status remains and the student is responsible for related fees.

Students intending to withdraw from a course after the Registration Revision Period must apply to the Office of the Registrar by submitting a Request to Withdraw from a Course by the **Withdrawal Deadline**, please consult the List of Important Dates. Withdrawal from courses after the Registration Revision period will not be eligible for tuition refund. A grade of "W" will appear on the student's transcript.

Students wishing to withdraw from a course, but who fail to do so by the applicable date, will receive the grade earned in accordance with the course syllabus. A student obliged to withdraw from a course after the Withdrawal Deadline because of health or other reasons may apply to the Registrar for special consideration.

Students, who find a conflict in their exam schedule must submit a **Revised Examination** Request form to the Registrar's Office by the deadline date, please consult the List of Important Dates. Requests will be considered for the following reasons only: 1) the scheduled final examination slot conflicts with another exam; 2) three final exams within three consecutive exam time blocks; 3) the scheduled final exam slot conflicts with an exam at another institution; 4) extenuating circumstances. Travel is not considered a valid excuse for re-scheduling or missing a final exam.

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## Electronic Etiquette

Students are expected to treat their instructor, guest speakers, and fellow students with respect. It is disruptive to the learning goals of a course or seminar and disrespectful to fellow students and the instructor to engage in electronically-enabled activities unrelated to the class during a class session. Please turn off all cell phones and other electronic devices during class. Laptops should be used for class-related purposes only. Please do not use iPods, MP3 players, or headphones. Do not text, read, or send personal emails, go on Facebook or other social networks, search the internet, or play computer games during class. The professor has the right to disallow the student to use a laptop in future lectures and/or to ask a student to withdraw from the session if s/he does not comply with this policy. Repeat offenders will be directed to the Dean. If you are expecting communication due to an emergency, please speak with the professor before the class begins.

## Academic Policies

It is the responsibility of all students to become familiar with and adhere to academic policies as stated in the Academic Calendar. Personal information, that is information about an individual that may be used to identify that individual, may be collected as a requirement as part of taking this class. Any information collected will only be used and disclosed for the purpose for which the collection was intended. For further information contact the Privacy Compliance Officer at [privacy@ambrose.edu](mailto:privacy@ambrose.edu).

## Extensions

Although extensions to coursework in the semester are at the discretion of the instructor, students may not turn in coursework for evaluation after the last day of the scheduled final examination period unless they have received permission for a “**Course Extension**” from the Registrar’s Office. Requests for course extensions or alternative examination time must be submitted to the Registrar’s Office by the deadline date, please consult the List of Important Dates. Course extensions are only granted for serious issues that arise “due to circumstances beyond the student’s control”.

## Appeal of Grade

An appeal for change of grade on any course work must be made to the course instructor within one week of receiving notification of the grade. An appeal for change of final grade must be submitted to the Office of the Registrar in writing within 30 days of receiving notification of the final grade, providing the basis for appeal. A review fee of \$50.00 must accompany the appeal to review final grades. If the appeal is sustained, the fee will be refunded.

## Academic Integrity

We are committed to fostering personal integrity and will not overlook breaches of integrity such as plagiarism and cheating. Academic dishonesty is taken seriously at Ambrose University College as it undermines our academic standards and affects the integrity of each member of our learning community. Any attempt to obtain credit for academic work through fraudulent, deceptive, or dishonest means is academic dishonesty. Plagiarism involves presenting someone else’s ideas, words, or work as one’s own. Plagiarism is fraud and theft, but plagiarism can also occur by accident when a student fails or forgets to give credit to another person’s ideas or words. Plagiarism and cheating can result in a failing grade for an assignment, for the course, or immediate dismissal from the university college. Students are expected to be familiar with the policies in the current Academic Calendar that deal with plagiarism, cheating, and the penalties and procedures for dealing with these matters. All cases of academic dishonesty are reported to the Academic Dean and become part of the student’s permanent record.

Students are strongly advised to retain this syllabus for their records.

## Other Important Dates:

- Sep. 28 – Sep.29: Spiritual Emphasis Days (No Classes)**
  - September 27: Quiz 1 (The Quiz about the Stuff that’s Already Happened....OF DOOM!!!!!!)**
  - October 10: Thanksgiving Day (No Classes)**
  - October 20: Midterm Exam (THE MIDDLE BIT! NO, NOT THAT ONE! THE OTHER ONE!!!!)**
  - November 11: Remembrance Day (No Classes)**
  - November 29: Quiz 2 (The Quiz with the Oddest Prime Number....Because it’s EVEN!!!!)**
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