

MGF1106 – Mathematics for Liberal Arts I

Fall 2014 - Reference Number 495641

Faculty Contact Information

Professor: Professor Amy Loschak

Email: Through Desire 2 Learn (D2L)

Alternate Email: aloschak@broward.edu (Only use if D2L is not working.)

Telephone: (954) 201-4871

Office: Building 7, Room 235

Office Hours: T/TH 4:15 - 7:15 pm

Virtual Office Hours: 24/7 as needed

Math Department Phone: (954)201 - 6692

Math Department Fax: (954)201 - 6968

BC's Emergency Hotline: (954)201 - 4900 or (954) 779 – 2699

Course Description

This is a general education course which includes topics in logic; geometry; set theory; probability; and statistics. This course will emphasize applications to real world situations and the integration of other disciplines, including but not limited to, business and the physical sciences.

If a student's personal computer becomes inoperable, the student is still responsible for completing assignments on time and must use an alternate computer. The student may use any of the designated computers on the second floor in the library on Central Campus, or any other computer with Internet access.

Learning Outcomes

Upon completion of this course:

- The student shall be able to demonstrate an understanding of sets, their properties, and some of their many uses.
- The student shall be able to demonstrate an understanding of logic concepts and apply the precepts of logic to problems.
- The student shall be able to demonstrate a knowledge of plane and solid geometry; and identify and apply geometric principles to solve problems with the aid of a calculator.
- The student shall be able to understand counting techniques and apply methods for computing probabilities.
- The student shall be able to apply, with the aid of a calculator, basic statistical principles.

Mandatory Dates

The ONLINE ORIENTATION: Due Friday, August 29, 2014, 11:00pm

Failure to complete the ONLINE ORIENTATION, in D2L, by August 29, 2014, 11pm, will result in immediate withdrawal from the course. The ONLINE ORIENTATION is located on the homepage of the D2L shell for this course.

Course Materials

ACCESS TO DESIRE 2 LEARN: D2L contains the course materials

TEXTBOOK (OPTIONAL): Mathematical Ideas, 12th edition, authors Miller, Heeren, Hornsby

Any calculator is permitted.

If needed, you can call the central campus bookstore and have your materials sent to another BC campus bookstore for convenient pick up.

Course Work

Watch the Power Point Presentation for a section. They are located in D2L.

Next, complete the homework (HW) assignment for that section. They are located in D2L.

Next to each HW listed below(found in D2L), you will see a corresponding homework assignment from the textbook(optional).

- HW#1 section 2.1 / page 47+ 1-8 all, 9-53 odd, 57-87 odd
HW#2 section 2.2 / page 54 1-4 all, 5-49 odd
HW#3 section 2.3 / page 65+ 1-6 all, 7-29 odd, 63-93 odd
HW#4 section 2.4 / page 71+ 1-17 odd, 21,23,31
- HW#5 section 3.1 / page 89+ 15-73 odd, OMIT 37 & 55
HW#6 section 3.2 / page 99+ 1-17 odd, 21-59 odd, 63, 65
HW#7 section 3.3 / page 108+ 27-51 odd, 55-63 odd, 69-79 odd, 85
HW#8 section 3.4 / page 114+ 1-13 odd, 19-39 odd, 45-49 odd
HW#9 section 3.5 / page 119 1-11odd, 15-19 odd
HW#10 section 3.6 / page 130+ 1-25 odd, 29, 31, 33
- HW#11 section 9.1 / page 455+ 1-73 odd
HW#12 section 9.2 / page 462+ 1-51 odd, OMIT 11, 39, & 45
HW#13 section 9.3 / page 473+ 5-13 odd, OMIT 11, 17-27 odd, 41-47 odd
HW#14 section 9.4 / page 484+ 1-43 odd
HW#15 section 9.5 / page 493+ 7-35 odd
- HW#16 section 10.1 / page 531 1-29 odd
HW#17 section 10.2 / page 541+ 7-25 odd, 35-45 odd
HW#18 section 10.3 / page 553+ 1-9 odd, 17, 19, 21
- HW#19 section 11.1 / page 585+ 1-17 odd
HW#20 section 11.2 / page 594+ 5-19 odd
HW#21 section 11.3 / page 604 13-27 odd
- HW#22 section 12.1 / page 636+ 1,3,7,9,17,21,23,25
HW#23 section 12.2 / page 650+ 1-9 odd, 47
HW#24 section 12.3 / page 659+ 3-11 odd
HW#25 section 12.4 / page 665+ 1,5,7,8
HW#26 section 12.5 / page 675 7-25 odd

TESTS

There will be three (3) tests. You will have a window of two days to complete each test. The tests will be emailed to you in D2L before the beginning of the test window. Before the deadline of the test window, you will print out the test, complete the test, and return the answer sheet to me via D2L email. You may send it to me as an attachment to an email. Remember, you cannot email in and out of D2L from other email accounts. Do not email your test answer sheets to me from a small device. Use a desktop or laptop only.

- | | | |
|----------|-------------------------|----------------------------------|
| TEST I | covers chapters 2 & 3 | Sep 26th, 1 am – Sep 27th, 11 pm |
| TEST II | covers chapters 9 & 10 | Oct 31st, 1 am – Nov 1st, 11 pm |
| TEST III | covers chapters 11 & 12 | Dec 10th, 1 am – Dec 11th, 11 pm |

Make-up exams will be permitted only under extenuating circumstances and only with proper documentation (religious holy days, the student's serious illness, a death in the immediate family, or statutory government responsibilities, all with proper documentation). The instructor reserves the right to create alternate make-up exams. Exams cannot be made up after the exam window has passed unless prior arrangements have been made. **Students with an excused absence wishing to make up a test, MUST notify the instructor within 24 hours of the test window.**

Grading

Your course grade is based on the three tests described above.

$$\frac{TEST I + TEST II + TEST III}{3} = \text{course grade}$$

Grading Scale: 90-100% A, 80-89% B, 70-79% C, 60-69% D, 0-59% F

Attendance, Withdrawals and Audits

Within the first few days of the semester, you must complete the online orientation or you will be administratively withdrawn from the course. Simply logging into the course will not satisfy your attendance during this time. As with on-campus courses, students who are reported for non-attendance in an online course and are withdrawn are still responsible for paying for the course. If you do not complete the requirements of the first week of class, you should drop the course by the official drop/add deadline or expect to pay for the course. It is very important for you to actively participate in this online class. If you stop participating in class discussions, do not submit assignments, or fail to take quizzes or tests prior to the withdrawal date, you will be administratively withdrawn from class and receive a W or, if it is your third attempt, an F. If you stop participating after the withdrawal date, you will receive an F. To avoid this situation, you should remain an active learner in this class and always communicate extenuating circumstances to me. Ongoing communication with the instructor is critical to your course success. Completion of tests, assignments, and other class activities are used as indicators of your participation in order to satisfy this reporting requirement. Audits are **NOT** permitted in this class. **October 30, 2014 is the last day to withdraw from this course.**

Hardware and Software Requirements

To complete the online segments of this course, you must have access to computer hardware and software that meets or exceeds BC's minimum hardware and software standards for e-learning courses. It is strongly recommended that you check your computer to verify that its hardware and software configuration meets or exceeds the BC standard. [Click here to check it out.](#)

Lack of access to a computer that meets BC's hardware and software standards or difficulty connecting to the Internet are not valid excuses for failure to complete the course requirements on time.

Calculators

You may use any calculator.

Academic Honesty

Cheating on tests and/or on any graded assignments will NOT be tolerated. A student who cheats will be reported to the college, will be issued an "F" for the course, and will no longer attend the course per the mathematics department policies.

Communication Policy

E-MAIL & ANNOUNCEMENTS

E-mail messages and announcements concerning this course will be sent to students on a daily basis through D2L. It is the responsibility of each student to check his or her e-mail **every day** for these messages. Not being aware of any information sent in these messages will not be accepted as an excuse for not knowing the information contained in these communications. I am always happy to answer any questions that are specific to you through e-mail at any hour of the day or night if I am available. If you send me an e-mail in most cases you will receive a response within 24 hours. If your e-mail is not answered within 24 hours, **please resubmit it.**

NETIQUETTE AND PROFESSIONALISM

Please use proper internet etiquette or "netiquette" when communicating online. These are basically guidelines to "sound" polite and respectful. [Read some general netiquette rules here.](#)

The classroom is a professional setting which is preparing you to communicate professionally when you start your careers. When writing online, use grammatically correct sentences using correct spelling. Do NOT use "text-speak." An example might be using "u" for the word "you." I will correct your grammar as much as possible, but if there are too many errors, you will have to edit and resend your e-mail.

Student Success Tips

In order to be successful in this course, you need to be organized and manage your time well so that you can complete all assignments and assessments on time. You will need to devote at least 20 hours per week to complete the learning activities required in this course. Make sure that you do not allow yourself to procrastinate, and that you communicate with the instructor via D2L e-mail, if you have any questions on any course materials or need assistance completing any assignments.

On central campus, in building 17, there are two resources for students. One is the Math Lab and the second is the Academic Success Center. They both offer free tutoring. Call 954-201-6660 for more information.

Students also have free access to SMARTHINKING, an online tutoring service. Go to www.broward.edu, login to "myBC Login" and choose Smarthinking or access it in the D2L shell for this course.