MAT 105 - Contemporary Mathematics
Course Guidelines
Course Credit: 3 semester hours
math.mc.edu/cmcmath

INSTRUCTOR: *Charlotte McMath* ***OFFICE:*** *MCC 311*

PHONE: *601- 925 - 3465* ***E-MAIL:*** *cmcmath@mc.edu*

OFFICE HOURS: *MWF 10:00 – 11:00*
TR 9:30 – 11:00; 2:45 – 3:30
(Additional hours are available by appointment.)

COURSE DESCRIPTION: *This course is a survey of mathematical topics for non-majors, designed to develop an appreciation of the uses of mathematics. Selected topics will include: problem solving, math modeling, statistics and the mathematics of finance.*

RATIONALE: *This course is designed to meet the core curriculum requirements in mathematics for students in the arts, humanities and similar disciplines who do not need a specific content course such as college algebra, trigonometry, statistics or calculus.*

PREREQUISITES: *None*

LEARNING OBJECTIVES: *Students will be expected to demonstrate knowledge of vocabulary and proficiency in skills associated with the following topics:*

Famous Mathematicians – posted online @ math.mc.edu/cmcmath & on moodle
Voting algorithms – Chap. 1, 2, 4
Euler and Hamilton Circuits, Network problems, Scheduling problems – Chap. 5 -8
Mathematics of finance –Chap.10
Collecting data, describing data, and normal distribution – Chap. 15, 17

In achieving these objectives, ***students are expected to****:*
1) Be respectful of others by arriving to class on time, placing your cell phone on silent and keeping it in your book bag.
2) Attend every class meeting unless an emergency or school-related activity prevents it.
3) Do homework daily.
4) Read textbook before and after professor covers material.
5) Attend every class meeting to pay attention and learn.

INSTRUCTIONAL PROCEDURES/TECHNIQUES: *Instructional procedures include lecture, problem solving, and class discussion. Online homework assignments require computer use. Students will use calculators to solve finance and statistics problems.*

COURSE CONTENT: *See topics listed above.*

MATERIALS REQUIRED:

Text: *Excursions in Modern Mathematics,* 8th Edition (Tannebaum)

ISBN: 9780321825735

Access code for online homework: This comes packaged with a new text, but can be purchase separately in the bookstore or online if you purchased a used text.

Additional Materials: Computer access, calculator

INTERMEDIATE - POST ASSESSMENT: *Your grade in this course will be determined by unit exams, online homework, and unannounced daily quizzes. There is* ***no*** *final comprehensive exam for this course. A notebook should also be kept.*

Unit exams: There will be four unit tests given during the semester. The dates of these exams will be announced during class as the semester goes along. Included on each test will be the mathematicians (available online) for that unit. Each exam constitutes 20% of the final grade in the course. ***Make-up tests will be given only upon the receipt of a doctor's excuse or in an extreme emergency, which should be made known to the instructor prior to the test!!!!!***

Unannounced daily quizzes: There will be several unannounced daily quizzes during the semester, of which at least 2 will probably be dropped. The average of these daily tests will constitute 10% of the final grade. ***(No make-up daily quizzes!)***

Online homework: Online homework will constitute the remaining 10% of the final grade in the course. To set up your online homework account, go to: http://pearsonmylabandmastering.com. The first time you will need to register using the Course ID: **mcmath59587** and your access code (see purchasing options above). See "MyMathLab Student Registration Instructions" on moodle.

Grading Scale:

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

ATTENDANCE, MAKE - UP TESTS**:** *Any student whose absences, whether excused or unexcused, accumulate to 8 in semester classes meeting 2 times per week automatically receives a grade of F in the course. Two tardies count as one absence. If you are late arriving to class, it is your responsibility to make sure you report this to the instructor immediately after class.*

Students are expected to take tests on the day they are assigned! Make-up tests will be given only upon the receipt of a doctor's excuse or in an extreme emergency, which should be made known to the instructor prior to the test!!!! The responsibility for missed work rests entirely with the student.

ACADEMIC INTEGRITY : *Students are expected to do their own work. Refer to the following web site: www.mc.edu/publications/policies/219.html.*

DROP DATE FOR FALL SEMESTER: *Friday, October 25, 2013*

MATHEMATICS TUTORING CENTER (MCC 116): M – R: 12:00 – 6:00

Student Counseling Services & Disabilities: In order for a student to receive disability accommodations under Section 504 of the Americans with Disabilities Act, he or she must schedule an individual meeting with the Director of Student Counseling Services **immediately upon recognition of their disability** (if their disability is known they must come in before the semester begins or make an appointment **immediately** upon receipt of their syllabi for the new semester). The student must bring with them written documentation from a medical physician and/or licensed clinician that verifies their disability. If the student has received prior accommodations, they must bring written documentation of those accommodations (example Individualized Education Plan from the school system). Documentation must be current (**within 3 years).** The student must meet with SCS **face-to face** and also attend two (2) additional follow up meetings (one mid semester before or after midterm examinations and the last one at the end of the semester). Please note that the student may also schedule additional meetings as needed for support through SCS as they work with their professor throughout the semester. Note: Students must come in **each semester** to complete their Individualized Accommodation Plan (example: MC student completes fall semester IAP plan and even if student is a continuing student for the spring semester they must come in again to complete their spring semester IAP plan).

Student Counseling Services is located in Alumni Hall Room #400 or they may be contacted via email at mbryant@mc.edu. You may also reach them by phone at **601-925-7790.**