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COURSE SYLLABUS
Course: M105 Contemporary Math
Current Semester: ONLINE Summer 2024

Instructor: Jennifer Weeding
Contact Information: jweeding@dawson.edu
Virtual Office Hours: by appointment, as needed per student
Credit Hours: 3
Prerequisite: ACT 19 or higher, math placement test, consent of Instructor

Course Description: This course is designed to give liberal arts students the skills required to understand and interpret quantitative information that they encounter in the news and in their studies, and to make numerically based decisions in their life.

Course Audience: Contemporary Math is a course designed for liberal arts majors who need only one basic math course. This course is considered as a terminal course and is not meant to prepare the student for any higher-level math course. There will be very little theory in this course, but a great deal of problem solving.

Instructional Materials
   Textbook: Available for *free* through your Cengage Unlimited Account.
   - Mathematics, A Practical Odyssey, 8th Ed.; Johnson/Mowry; Brooks/Cole

   - If prompted to pay, ***DO NOT TO PAY FOR ACCESS TO THE TEXTBOOK/CENGAGE UNLIMITED – YOU HAVE ALREADY PAID*** (look at your student bill 🖥). If this occurs, contact your instructor.

   Online Homework:
   - WebAssign will be used for online homework and is available for free through Cengage Unlimited. There is a link on Moodle that will take you directly to WebAssign.

Technology & Resources:
   - Moodle
   - Adobe Scan
   - Google Meet will be used for virtual office hours.
   - Student Email will be the official form of communication from me.
   - Scientific calculator

Student Learning Outcomes: Upon completion of the course student will be able to complete the following:

1. Use set notation to find the intersection and union of sets and the complement of a set.
2. Use Venn diagrams to solve counting problems involving two and three sets.
3. Use the Fundamental Principle of Counting.
4. Use permutations and combinations, as appropriate, in counting.
5. Apply the basic rules of probability.
6. Use counting principles as an aide in finding probabilities.
7. Find the expected value of game.
8. Use tree diagrams and the product rule to find conditional probabilities.
9. Organize data and graph the data with a histogram.
10. Find the mean, median, and mode of a given set of data.
11. Find the standard deviation of given set of data.
12. Use the normal distribution and z-scores to find probabilities.
13. Find simple and compound interest.
14. Find the future value and payment for an annuity.
15. Find the present value and payment for an amortization.
16. Find perimeter and area of a geometric figure.
17. Find volume and surface area of a geometric figure.
18. Use Trigonometry to solve basic applications for right triangles.

Purpose of Academic Assessment

Academic assessment is the process for *ongoing improvement of student learning and success.* The assessment program at Dawson Community College has four specific interrelated purposes.

- To improve student learning
- To improve teaching strategies
- To document successes and identify opportunities for improvement
- To provide evidence for institutional effectiveness

Grading: The final grade will be based on the average of homework assignments, chapter exams, and a final exam. All assignments (homework & exams) will be completed online via WebAssign. The final exam will be **cumulative**.

No extra credit assignments will be given in this course.
Late work will NOT be accepted. No exceptions.

HW	Chapter Exams	Final Exam
20%	15% each	20%

Grading scale:

	93-100% A	90-92% A-
88-89% B+	83-87% B	80-82% B-
78-79% C+	73-77% C	70-72% C-
68-69% D+	63-67% D	60-62% D-
0-59% F		

Course Policies:

    Cheating and Plagiarism/Academic Integrity: Students at Dawson Community College are expected to do their own work and in their own words and with their own ideas. If they quote or paraphrase the words of others, they are expected to indicate who it is they are paraphrasing. An instructor, who believes a student has cheated or claimed the work of someone else as his/her own, may take disciplinary steps as outlined under Academic Integrity Guidelines. This may include, but not be limited to, giving a failing grade or referring the student to others for further discipline.

    As a Dawson Community College student and as a student in this class, you are responsible for reading, understanding, and abiding by the DCC Student Code of Conduct. The Student Code of Conduct is included in the DCC Student Handbook and is available online at https://www.dawson.edu/current-students/student-success/student-handbook.html/title/student-conduct-code."

Class Attendance Policy:

    This is a fully online course. Dawson Community College supports the philosophy that learning is optimal when students attend classes regularly and participate in the learning environment through interaction with colleagues and instructors. ***The student is responsible for maintaining regular attendance in registered classes – in an online class this means logging in to Moodle, watching the course videos, completing worksheets & homework, and communicating with the instructor when clarification is needed.*** Absences due to serious illness or strictly unavoidable circumstances may be excused – the instructor must be notified in order for accommodations to be considered. ***An excused absence does not, under any circumstances, relieve the student of the responsibility for completing the course work***.

Reasonable Disability Accommodation:

    Dawson Community College will provide reasonable accommodations for qualified students with disabilities pursuant to Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (Public Law 101-336) to ensure equal access to its programs. Students seeking academic accommodations for a special need must contact the Dean of Academics office at 406-377-9434.

Syllabus Change Policy:

    Except for changes that substantially affect implementation of the evaluation (grading) statement, this syllabus is a guide for the course and is subject to change with advance notice.

M105 - Contemporary Math
Tentative Schedule – SUMMER 2024

WEEK	DATE	Material Covered	What's Due? (Sunday Evening)	Sunday (DUE on)
1	June 3rd – June 9th	Chapter 2	Section 2.1 & 2.2	June 9th
2	June 10th – June 16th	Chapter 2	Section 2.3 & 2.4 **Midterm Exam 1**	June 16th
3	June 17th – June 23rd	Chapter 3	Section 3.2, 3.3, 3.4	June 23rd
4	June 24th – June 30th	Chapter 3	Section 3.5 & 3.6 **Midterm Exam 2**	June 30th
5	July 1st – July 7th	Chapter 4	Section 4.1, 4.2, 4.3	July 7th
6	July 8th – July 14th	Chapter 4	Section 4.4 **Midterm Exam 3**	July 14th
7	July 15th – July 21st	Chapter 5	Section 5.1, 5.2, 5.3	July 21st
8	July 22nd – July 28th	Chapter 5	Section 5.4 **Midterm Exam 4**	July 28th
9	July 29th – August 4th	Chapter 8	Section 8.1, 8.2, 8.3	August 4th
10	August 5th – August 9th	Final Exam	**FINAL EXAM**	**Friday, August 9th**

The schedule above is meant to help you stay on track and be able to finish the course within the ten-week session. The homework assignments and exams must be completed by the given dates. You are welcome to work ahead. There will be **NO** extensions to the due dates.