

**COURSE SYLLABUS**

|  |  |
| --- | --- |
| **COURSE TITLE:** | College Math |
| **COURSE NUMBER:** | MATH101 |
| **PREREQUISITE:** | None |
| **COREQUISITE:** | None |
| **REVISION DATE:** | (Summer schedule) July 2023 |
| **INSTRUCTOR:** | Prof. M. Rapkin |
| **INSTRUCTOR’S E-MAIL:** | mrapkin@eastwick.edu |
| **CONTACT HOURS:** | 4.5h lecture/week |
| **QUARTER CREDITS:** | 5 |

**TEXTBOOK:**

Basic College Mathematics: An Applied Approach, 10th Edition (2014) by Richard Aufmann & Joanne S. Lockwood.

**COURSE DESCRIPTION**:

This course covers fundamental operations on real number system, equations, functions and their graphs, probability, statistics, fractions, mixed numbers and decimals, ratios, percentages, and data analysis. Students will solve both routine and non-routine problems to demonstrate their knowledge of underlying concepts. Mathematics vocabulary, symbols and notation will be emphasized. Outside preparation includes completion of practice problems, remediation, and alternative assessment types that incorporate real-world application.

Communication with the instructor by email will be directly using the instructor’s email address listed above. DO NOT SEND MESSAGES IN CANVAS OR CENGAGE unless otherwise instructed.

**Course Outcomes:**

Upon successful completion of this course, students will be able to:

1. Solve equations using whole numbers, common fractions, decimals, ratios, percentages, statistics, and measurement.
2. Convert the English system to Metric system and Metric system to English system.
3. Calculate basic statistics such as mean, median, mode, and range.
4. Apply basic rules of probability to everyday life and events.
5. Compute real-world applications using select topics in Mathematics.

|  |  |  |
| --- | --- | --- |
| **WEEKLY OUTLINE** | | |
| **\*Date** | **Assignments** | **Resources** |
| Week 1 | Review of syllabus  In-person Lecture: Whole Numbers  Chapter 1 Assignments (Canvas) | Chapter 1: Whole Numbers (1.1, 1.2, 1.3, 1.4, 1.5) |
| Week 2 | In-person Lecture: Introduce Fractions & Mixed Numbers  Chapter 2 Assignments (Canvas) | Chapter 2: Fractions and Mixed Numbers (2.2, 2.3,2.4, 2.5, 2.6, 2.7) |
| Week 3 | In-person Lecture: Conclude Fractions & Whole Numbers  Chapter 2 Assignments (Canvas) | Chapter 2: Fractions and Mixed Numbers, cont. (2.2, 2.3, 2.4, 2.5, 2.6, 2.7) |
| Week 4 | **Test 1: Chapters 1 & 2**  In-person Lecture: Review Fractions & Whole Numbers; Introduce Decimals  Chapter 3 Assignments (Canvas) | Chapter 3: Decimals (3.1, 3.2, 3.3, 3.4, 3.5, 3.6) |
| Week 5 | In-person Lecture: Rations & Proportions;  Chapter 4 Assignments (Canvas) | Chapter 4: Ratios and Proportions (4.1, 4.2, 4.3) |
| Week 6 | **Test 2: Chapters 3 & 4**  In-person Lecture: Chap 5 Percent  In-person Lecture: Introduce Chap 7 Descriptive Statistics | Chapter 5: Percents (5.1, 5.2, 5.3, 5.4, 5.5)  Chapter 7 (7.4) |
| Week 7 | In-person Lecture: Conclude Chap 7 Descriptive Statistics  Introduce Chapters 8 & 9 Measurement (I)  Chapters 8 & 9 Assignment (Canvas) | Chapter 7 (7.4) |
| Week 8 | No Class |  |
| Week 9 | **Test 3: Chapters 5 & 7**  In-person Lecture: Chapters 8 & 9 Measurement (I)  Project Due  Chapters 8 & 9 Assignment (Canvas) | Chapter 8: Measurement (U.S. Customary Units of Measurement) (8.1, 8.2, 8.4) |
| Week 10 | In-person Lecture: Chapters 8 & 9 Measurement (II)  Chapters 8 & 9 Assignment (Canvas) | Chapter 9: Metric System (9.1, 9.2, 9.3, 9.5) |
| Week 11 | In-person Lecture: Introduction to Integers  Chapters 10 Assignment (Canvas) | Chapter 10: Introduction to Integers (10.1. 10.2, 10.3, 10.4) |
| Week 12 | **Test 4 Final: Chapters 8, 9 & 10** |  |

\*Note: Subject to change.

**INSTRUCTIONAL METHODS**:

This is a hybrid learning course that combines in-person instruction with online Canvas LMS instruction. Hybrid learning courses provide more flexibility for attending class compared to traditional on-site courses. But they also require just as much dedication and focus on the learning process. The reward for the students comes from taking a more active, participatory role in the learning process. By engaging and collaborating with other students and the instructor on a regular basis in the classroom and through online discussions, the hybrid learning student becomes an active contributor to the learning process.

**It will be the responsibility of the student to familiarize themselves with the “Lecture” assignments in Canvas. These are supplemental video lectures and are to be completed in like manner as to “Homework” assignments.**

**Instructional methods include lectures, practice problems, practice quizzes, and discussions.**

**Office hours are by appointment. If a student would like to meet with the instructor outside of class, the student shall email the instructor directly (NOT in Canvas) with multiple time slot options and every effort to find a time that is convenient will be made.**

Note: All assignments shall be submitted in the Canvas LMS.

**ASSESSMENT:**

|  |  |  |
| --- | --- | --- |
| *Activity* | *Percent* | *Course Outcomes* |
| Assignments | 15 | 1-5 |
| Project | 15 | 5 |
| Test 1 chaps 1 & 2 | 15 | 1 |
| Test 2 chaps 3 & 4 | 15 | 1 |
| Test 3 chaps 5 & 7 | 15 | 2, 4 |
| Test 4 Final chaps 8, 9 & 10 | 15 | 2, 3, 5 |
| Attendance | 10 |  |
| Total | 100 |  |

Note: Grade adjustments are at the Instructor’s discretion.

**GRADING SCALE:**

|  |  |
| --- | --- |
| *Letter Grade* | *Number Grade* |
| A | 90-100 |
| B+ | 85-89 |
| B | 80-84 |
| C+ | 75-79 |
| C | 70-74 |
| D+ | 65-69 |
| D | 60-64 |
| F | Below 60 |

**ACADEMIC INTEGRITY POLICY:**

All types of dishonesty, including unauthorized assistance in any academic work, cheating on tests, inappropriately or unethically using technological means to gain academic advantage, and plagiarism are considered to be in conflict with the educational objectives of Eastwick College and subject the student to disciplinary action. Plagiarism is the act of taking another person’s words or ideas and presenting them as if they are your own work without acknowledgement. A student who violates Eastwick College’s policy on dishonesty, cheating, and plagiarism is subject to failure (zero) on the assignment for the first offense in the course. Additional offenses subject the student to failure of the course and/or dismissal from the college.

**ATTENDANCE AND PARTICIPATION:**

Attendance and participation are required and will count as 5% of the final grade. To receive 100% attendance, the student must be present in all in-person classes. The attendance grade will drop 1% point for every hour missed. For example: 4 missed hours of in-person instruction will result in a 96% attendance grade. More than 15 minutes late equals one hour late.

**POLICY ON MAKE-UP WORK:**

Missed tests must be made up within one week of the original date, or the grade will become a zero. Extenuating circumstances will be considered. The maximum score attainable is an 89 on all make-up exams. It is the responsibility of the student to contact the instructor to arrange a time to make up missed work. Make-up work may be allowed, only at the discretion of the instructor. Current school policy requires that all make-up work must be completed within one day after the end of the module, or the student will receive a zero for the missing work. Tests cannot be retaken and there is no extra credit in this course.

No assignment, worksheet or test will be accepted after the last scheduled class meeting. This includes any assignments and/or tests that are being submitted during any make up period. Any assignment, worksheet or test not received by the instructor before the end of the last scheduled class meeting will receive a zero.

***Students are responsible for all work they have missed. Students are responsible for checking with the instructor or a fellow class member what work has been assigned, or tests scheduled.***

**ADDITIONAL POLICIES:**

All assignments shall be submitted in the Canvas Course site unless otherwise instructed.

All assignments shall be submitted in Canvas no later than Sunday midnight of that respective week. **The instructor’s email shall be used for all communication.** The use of cell phones is PROHIBITED during class. Food is NOT permitted in the classroom. Only beverages that can be closed, whether by bottle cap or lid, will be allowed.

If a student is experiencing difficulty with the class it, is the student’s responsibility to speak to the instructor or campus administrator. At the discretion of the Dean of Academics, extra help may be available for the student. Extra help, if allowed, will have to be scheduled in accordance with the instructor’s available schedule. Extra help will require the student to come to the session with specific questions from areas of concern

All assignments and/or tests are to be done by the individual student alone. A student will be guilty of cheating if he/she gives or receives assistance from another student or person in the completion of any assignment or test. Any violation of this rule will result in the student receiving a zero for the assignment. If the instructor determines that there have been multiple cooperative efforts between students on any assignment or test, then he/ she reserves the right to cancel out the particular assessment for the entire class. A replacement assessment will be assigned which can consist of an in-class closed book worksheet and/or test.

The student is responsible for retaining in their possession all returned tests and/or assignments in the event there is a question about the final grade.

All tests are to be considered closed book unless otherwise permitted by the instructor.

Students are encouraged to take notes and to audio tape the class. This course is a lecture style class. For students who have difficulty taking notes in class, this is a method to capture any missed notes from the class lecture. All tests will have questions that come from the class lecture and/or board notes. All recorders must be on the instructor’s desk.

Cell phone use: The instructor understands that cell phones are a way of life. If the student must

make or receive a cell phone call or text message, then the student shall leave the classroom

quietly and use their cell phone. The student shall return as quickly as possible to the classroom

when they are done using their cell phone.

Text messaging during classroom instruction time is both disruptive and disrespectful to the instructor and fellow class members. The instructor, upon seeing a student using their cell phone during classroom instruction time, reserves the right to halt class until the cell phone use has been completed. The instructor also reserves the right to take certain cell phone calls during classroom instruction time