MIDDLE COLLEGE MATH: SPRING 2020 (ONLINE)

Instructor Information

MR. KYLE LINFORD
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Phone: N/A
Website: linfordmath.weebly.com

Classroom: N/A (School Closed)
Office Hours: MW: 3:30 – 4:30pm
TR: 10:30 – 12pm, 2 – 4:00pm
F: 9 – 11am

Required Text and Materials
Students will need a scientific or graphing calculator. Other calculators, such as simple 4 function calculators are not appropriate. Recommended graphing calculators for the course are TI-83, TI-83+, TI-84, or TI-84+ calculators. Students are required to keep all notes, homework problems, and handouts in a three-ring binder. Additionally, students are required to have pencils, pens (black or blue), highlighters, and paper (notebook or loose leaf). Given that this course will be taught fully online, students will need some form of an electronic device with access to the Internet, such as a computer, tablet, etc.

Course Objectives
Students will review and master concepts covered in Math 097 and Math 169 in preparation for transition to WCC MTH 176 in the fall semester. There will be opportunities to re-take gateways that remain from winter semester and to practice, review, and retake the ALEKS exam.

Grading Structure
Your final grade will be based on the following:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Final Exam</td>
<td>20%</td>
</tr>
<tr>
<td>Projects</td>
<td>20%</td>
</tr>
<tr>
<td>Homework</td>
<td>60%</td>
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Homework: Math is a subject that is best learned through practice. Therefore, homework will be assigned most days in this class. Homework will be assessed in the following manner:

- **Exit Tickets**: Students will be given an exit ticket for most section we cover in class. These problems will be assigned and graded through the online platform Edulastic. Students will be required to submit their answers electronically and correct any mistakes until they have demonstrated mastery of the concept. Students may resubmitted as many times as needed before the end of the unit to demonstrate mastery of the concept.

- **ALEKS Modules**: Students will work towards achieving an academic level 4 or higher, which is needed to register for MTH 176. Each Monday, students will need to email a screen-shot showing their progress towards achieving their desired math level.

Projects:
- There will be 2 group projects assigned during the semester. These projects will require students to work with their peers to further examine topics we review in the class. The grade for these projects will be based on group scores and peer evaluations.
Assessment:

- **Final Exam:** An online, comprehensive final exam will be given on June 18 in the online platform *Edulastic*. Students are to work individually on this exam, and they should not utilize any notes or class materials during the exam. If you are unable to take the test on the scheduled days, you must speak to me about alternative arrangements before the final day of the test. **Unless we have discussed it prior to the final day of the test, not taking a test on the specified date will result in a 0% score on the exam.** This is true even in the case of illness. You must email me to let me know that you will not be completing the exam by the required date. There will be review materials provided for this exam.

Policies and Procedures

- **Attendance:** Class attendance and tardy policy is outlined in the soft skills manual. However, with this online format, students’ attendance in class will need to be assessed in an alternative way. **College ready attendance for online courses requires students to be actively engaged in the course materials daily.** This means that students are completing all of the required work and reviewing the assigned materials in the timeframe that they are assigned. For this class, you will be provided an assignment sheet with daily tasks. In order to be counted as present, you must work through the required exit tickets posted on the course website for each section on the days that they are assigned. Failure to complete these exit tickets will result in being marked as absent from the class for the day.

- **Notebook:** Having an organized notebook is a key element in having good soft skills. This is one of the first skills in becoming a successful student! Please work hard to keep your notebook organized at all times.

  You are required to have a 3-ring binder for ease of note-taking and studying. I recommend either printing out the course materials from the class website and storing them in your binder or taking notes individually and recording the assigned problems on your own paper.

- **Classroom and Personal Expectations:**
  
  Growth Mindset — Intelligence is not fixed; it can be improved through persistent effort and hard work.
  
  Community — Each class is a family of learners who will support, encourage, and celebrate each other.
  
  Mastery — Students will work toward mastery of the concepts and skills being taught in class. Reflection, progress, and improvement will be emphasized.

  As a class, we will hold each other to a high standard based on the following principles:
  
  - We respect each other
  - We try our best
  - We work as a team
  - We learn from mistakes
  - We create
  - We celebrate each other’s success
Transition to WCC

In order to transition to WCC Math 176, students must meet the following criteria:

- Earn an academic grade of 85% or higher
- Earn an R in soft skills with no “N” in other WTMC classes
- Achieve a math level of 4 or higher
- Achieve reading and writing levels of 6

Successful completion of this course prepares students for WCC MTH 176. Completing this MC Math course and one WCC math course from among MTH 176, MTH 160, or MTH 125 is a requirement for graduation from WTMC. Other math classes may be required for your program or entrance into competitive four-year colleges. Please keep this in mind as you consult with your BASE advisor to develop an EDP.

*Transition to MTH 160 or MTH 125 requires a math level 3, not a level 4.*

Academic Integrity

Students are expected to maintain the integrity of their work in WTMC math classes. Receiving help on individual assignments is acceptable, but since you are ultimately responsible for mastery of the material, you should complete the work yourself. Copying work from another student or allowing another student to copy your work is not acceptable and will result in a grade of 0% on the assignment, quiz, or test in question and a meeting with the dean. Additionally, the use of unapproved resources, like notes or cheat-sheets, do not provide an accurate representation of your understanding. Therefore, students are required to complete all assessments without any unapproved resources, or else they will receive a 0% on the assessment and require a meeting with the dean.

Additional Learning Resources

- The website www.khanacademy.org offers video instruction and practice. I highly recommend this website for math help. If you need help finding the appropriate videos or practice exercises, please email or speak to me.
- I am available to meet with any student who has questions, is having difficulty with the material, or just wants extra practice. I am available during my office hours to meet via Google Meet. To schedule a meeting with me, please schedule on our course website or contact me about an open timeslot.
- To provide extra content support for students, I will be holding YouTube Live Streaming talks on the following dates and times. These talks will be student centered and focus on the current unit’s materials and answer any questions students have about homework or the content. Students may submit questions or materials for me to review during the live stream either through email or by submitting a message in the live chat feature of the stream. To view the live stream, students will need to access YouTube and go to the Kyle Linford page (https://www.youtube.com/channel/UCjOv3VrAK2Bxry1-Qd0nc3w). They will then select the current Live Stream video. These videos will be recorded and posted for students to watch again.

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<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Wednesday, May 13</th>
<th>Wednesday, May 20</th>
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<tbody>
<tr>
<td>Monday, May 18</td>
<td>10:30 – 12:00pm</td>
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<td>10:30 – 12:00pm</td>
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<td>Monday, May 25</td>
<td>10:30 – 12:00pm</td>
<td>Wednesday, May 27</td>
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<td>Wednesday, June 3</td>
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<td>Wednesday, June 10</td>
<td>10:30 – 12:00pm</td>
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<td>Wednesday, June 17</td>
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Note: All changes to the syllabus are up to the instructor’s discretion and will be communicated with the students.
Course Calendar

This is the anticipated pacing and list of topics covered during the semester. More detailed day-by-day schedules will be provided at the beginning of each unit. Pacing is subject to change.

<table>
<thead>
<tr>
<th>WEEK</th>
<th>UNIT</th>
<th>TOPICS</th>
</tr>
</thead>
</table>
| 1    | 1    | • Factoring trinomials  
       |      | • Factoring binomials  
       |      | • Additional factoring strategies |
| 2    | 2    | • Evaluating functions  
       |      | • Composition and algebra of functions  
       |      | • Domains of functions  
       |      | • Basic parent functions  
       |      | • Inverse functions |
| 3    | 3    | • Simplifying exponential expressions  
       |      | • Simplifying radical expressions  
       |      | • Simplifying logarithmic expressions |
| 4    | 4    | • Solving quadratic equations  
       |      | • Solving rational equations  
       |      | • Solving radical equations  
       |      | • Solving logarithmic and exponential equations |
| 5    | 5    | • Solving systems of equations  
       |      | • Matrices |
| 6    |      | • Review and Final Exam |