BRIEF DEVELOPMENTAL MATHEMATICS  MATH 0200.209
Department of Mathematics and Statistics
FALL 2019

A. COURSE INFORMATION
   Course number/section:  MATH 0200.209
   Class meeting time:     MF 8:00 – 8:50 AM
   Class location:         M: OCNR - 255 / F: CI - 222
   Course Website:         www.bb9.tamucc.edu

B. INSTRUCTOR INFORMATION
   Instructor:            Dr. Nicolas Curiel, Jr
   Office location:       CI - 314
   Office hours:          MWF 10:00 AM – 11:15 AM
   e-mail:               nicolas.curiel@tamucc.edu
   Appointments:          Scheduled in advance via e-mail

C. COURSE DESCRIPTION
   Catalog Course Description
   2 sem. hrs. (0:2) Topics as in MATH 0300. For students who have completed most topics in MATH 0300. Requires permission of MATH department. (Not counted toward graduation)

D. PREREQUISITES AND COREQUISITES
   Prerequisites
   There is no prerequisite for this course. Registration for this course will be by TSI score of 345 – 349.
   Co-requisites:         MATH 1442.340 or MATH 1442.341. Enrollment in both courses is required.

E. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES
   • MYMATHLABPLUS Access Card by Pearson. One MLP code will be used in both MATH 1442 and MATH 0200. Therefore, you will need to purchase this code only once for both courses. The code is available in the bookstore and may be purchased online while in class.
   • Calculator: TI 83 or TI 84 will be used in class to demonstrate calculations. TI-Nspire can be used for homework and quizzes. However, it CANNOT be used during the exams.

F. STUDENT LEARNING OUTCOMES AND ASSESSMENT
   Assessment is a process used by instructors to help improve learning. Assessment is essential for effective learning because it provides feedback to both students and instructors. A critical step in this process is making clear the course’s student learning outcomes that describe what
students are expected to learn to be successful in the course. The student learning outcomes for this course are listed below. By collecting data and sharing it with students on how well they are accomplishing these learning outcomes students can more efficiently and effectively focus their learning efforts. This information can also help instructors identify challenging areas for students and adjust their teaching approach to facilitate learning.

At the end of this course a student will be able to:

1. Use appropriate symbolic notation and vocabulary to communicate, interpret, and explain mathematical concepts.
2. Define, represent, and perform operations on real numbers, applying numeric reasoning to investigate and describe quantitative relationships and solve real world problems in a variety of contexts.
3. Use algebraic reasoning to solve problems that require ratios, rates, percentages, and proportions in a variety of contexts using multiple representations.
4. Apply algebraic reasoning to manipulate expressions, equations, and inequalities to solve real world problems.
5. Use graphs, tables, and technology to analyze, interpret, and compare data sets.
6. Construct and use mathematical models in verbal, algebraic, graphical, and tabular form to solve problems from a variety of contexts and to make predictions and decisions.
7. Properly use a calculator.

G. INSTRUCTIONAL METHODS AND ACTIVITIES

1. This course is a co-requisite to Statistics for Life and is designed to remediate math deficiencies for students who lack college readiness skills.
2. Students will work on activities and problems to enhance, refresh, and remediate foundational skills needed for successful completion of Statistics for Life.
3. Students will work closely with the instructor, tutors, and in small groups.
4. Participation in class is expected. You are to work on the assigned activities, complete daily quizzes, actively ask to participate in small group lectures and work individually with tutors. Participation is 50% of your grade in this class. Your participation will be recorded for each class meeting.
5. Methods and activities for instruction include some one-to-one individual or small group instruction, and lecture.

H. MAJOR COURSE REQUIREMENTS AND GRADING

Students will be assessed by performance based on the following criteria.

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>% of FINAL GRADE</th>
</tr>
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<tbody>
<tr>
<td>Class Participation</td>
<td>50 %</td>
</tr>
<tr>
<td>Quizzes</td>
<td>40 %</td>
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<tr>
<td>Exam Reviews</td>
<td>10 %</td>
</tr>
</tbody>
</table>
Final Weighted Grades:

<table>
<thead>
<tr>
<th>Grade Range</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>90 – 100%</td>
<td>DP (Developmental Passing)</td>
</tr>
<tr>
<td>80 – 89%</td>
<td>DP (Developmental Passing)</td>
</tr>
<tr>
<td>70 – 79%</td>
<td>DP (Developmental Passing)</td>
</tr>
<tr>
<td>Below</td>
<td>DF (Developmental Not Passing)</td>
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</tbody>
</table>

90 – 100% DA; 80 – 89% DB; 70 – 79% DC; 60 – 69% DD; below DF. Only the grades of DA, DB, and DC are considered as DP (Developmental Passing). (The D in front of the grade stands for Developmental A, B or C.)

If you do not pass MATH 1442 but pass MATH 0200, you will satisfy the TSI liability and be able to retake MATH 1442 in Spring 2020.

I. COURSE CONTENT/SCHEDULE

<table>
<thead>
<tr>
<th>WEEK</th>
<th>CH (M 1442)</th>
<th>MAIN ACTIVITIE(S) (M 0200)</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>▪ Syllabus ▪ Helpful Study Tips for MATH 1442 ▪ Prepare TI-83 or TI-84 ▪ MLP introduction ▪ Summary Notes (good examples vs bad examples)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Muddiest points (Q&amp;A) - Summary notes - Group Activities &amp; Quiz ▪ Group Activities 1: What types of data am I? ▪ Group Activities 2: What is my sampling method?</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>Muddiest points (Q&amp;A) - Worksheet - MLP ▪ Worksheet: Fraction, Decimal, Percent, Rounding</td>
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<tr>
<td></td>
<td></td>
<td>Muddiest points (Q&amp;A) - Group Activities ▪ Group Activities: What is raw data? Let's collect some!</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>Muddiest points (Q&amp;A) – Quiz Summary notes - Group Activities ▪ Quiz 1: Notations of Section 3.1 ▪ Group Activities: Tell me more about my raw data.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Exam 1 Review starts</td>
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<tr>
<td></td>
<td></td>
<td>Muddiest points (Q&amp;A) - Summary notes - MLP</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>Muddiest points (Q&amp;A) - Group Activities ▪ Group Activities: What is raw data? Let's collect some!</td>
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<tr>
<td></td>
<td></td>
<td>Exam 1 Review due</td>
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<tr>
<td>5</td>
<td>5</td>
<td>Muddiest points (Q&amp;A) - Group Activities or Worksheet - Summary notes – Quiz</td>
</tr>
<tr>
<td>6</td>
<td>6</td>
<td>Muddiest points (Q&amp;A) - Group Activities or Worksheet - Summary notes – Quiz</td>
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## Fall 2019 Important Deadlines/Holidays:

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>August 26</td>
<td>First Day of Classes</td>
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<tr>
<td>September 2</td>
<td>Labor Day No Classes</td>
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<tr>
<td>September 3</td>
<td>Last day to late register or add a class</td>
</tr>
<tr>
<td>October 16 – 30</td>
<td>Midterm Grading</td>
</tr>
<tr>
<td>November 8</td>
<td>Last day to drop a class</td>
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<tr>
<td>November 27</td>
<td>Reading Day No Class</td>
</tr>
<tr>
<td>November 28 – 29</td>
<td>Thanksgiving Holidays No Class</td>
</tr>
<tr>
<td>December 3</td>
<td>Last Day to withdraw from the University</td>
</tr>
<tr>
<td>December 4</td>
<td>Last Day of Classes</td>
</tr>
<tr>
<td>December 5</td>
<td>Reading Day</td>
</tr>
<tr>
<td>December 7</td>
<td>Final</td>
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**Students taking Math 0200, in most cases, will not be permitted to drop this course. Consult your advisor, the financial aid office and the TSI office in CASA if you believe it is necessary to drop this class.**

**Note: Changes in this course schedule may be necessary and will be announced to the class by the Instructor. The assignments and exams shown are directly related to the Student Learning Outcomes described in Section F.**
J. COURSE POLICIES

Attendance/Tardiness
1. I expect each student to attend all classes. Attendance is mandatory. Please save absences for emergencies and illness.
2. If you are more than 5 minutes tardy or if you leave more than 5 minutes before the end of class, you are considered absent.
3. All absences are considered unexcused unless a written excuse or documentation is made available to me in a timely manner and accepted.
4. If you must leave early inform me prior to the beginning of class or if you must be absent, please email me through my university email stated at the top of this syllabus.

Extra Credit
There is no extra credit in this course.

Cell Phone Use
Cell phones are prohibited in class. They should be stored in backpacks or purses during class and not in pockets.

Laptop Use
You will not need your laptop during class; the class is held in a computer lab.

Food in Class
Do not bring food or drinks into this class; it is a computer lab.

Missed Exam or Quizzes
There will be no makeup for a missed semester exam, unless for special circumstances. If you are going to miss an exam for an extraordinary event, you must notify your instructor 24 hours before the scheduled exam. There will be no makeup for a missed final exam. Final exam must be taken per schedule.

Participation
1. Participation is required in completing course activities.
2. Students are required to participate in class discussions and problem solving. Students who are absent will not receive credit for participation.
3. Students found to be working on material other than mathematics during class will be given a zero for that day’s participation. This will include those using class time for personal business-like emails or texting. Cell phones will be turned off and put away during class. Use of your phone will result in a 0 for the day’s participation.

Expectations
1. Students are expected to attend each class meeting.
2. Students are expected to work on course assignments outside of class.
3. Students are expected to keep all worked problems in a notebook in an organized format.
4. Students may receive help with the course activities from both the instructor and MPLA’s.
5. Students are expected to seek additional help from CASA as needed.

Responsibility
1. You are responsible for obtaining the required supplies and bringing them to class. This will include the MYMATHLABPLUS (student access code) and Paper required to begin work.
2. You are responsible for any homework assigned (in both courses), completing assessments (in both courses), watching and taking notes from videos and power points as assigned.
3. You are responsible for your own learning; therefore, you should come prepared with questions you need answered. Keep up with what you need to do and set appropriate goals for yourself. Our goal is for you to be an independent learner by the end of the semester and have completed the course requirements.

K. COLLEGE AND UNIVERSITY POLICIES

- Academic Integrity (University)
  University students are expected to conduct themselves in accordance with the highest standards of academic honesty. Academic misconduct for which a student is subject to penalty includes all forms of cheating, such as illicit possession of examinations or examination materials, falsification, forgery, complicity or plagiarism. (Plagiarism is the presentation of the work of another as one’s own work.) In this class, academic misconduct or complicity in an act of academic misconduct on an assignment or test will result in a failing grade.

- Classroom/Professional Behavior
  Texas A&M University-Corpus Christi, as an academic community, requires that each individual respect the needs of others to study and learn in a peaceful atmosphere. Under Article III of the Student Code of Conduct, classroom behavior that interferes with either (a) the instructor’s ability to conduct the class or (b) the ability of other students to profit from the instructional program may be considered a breach of the peace and is subject to disciplinary sanction outlined in article VII of the Student Code of Conduct. Students engaging in unacceptable behavior may be instructed to leave the classroom. This prohibition applies to all instructional forums, including classrooms, electronic classrooms, labs, discussion groups, field trips, etc.

- Statement of Civility
  Texas A&M University-Corpus Christi has a diverse student population that represents the population of the state. Our goal is to provide you with a high quality educational experience that is free from repression. You are responsible for following the rules of the University, city, state and federal government. We expect that you will behave in a manner that is dignified, respectful and courteous to all people, regardless of sex, ethnic/racial origin, religious background, sexual orientation or disability. Behaviors that infringe on the rights of another individual will not be tolerated.
• Deadline for Dropping a Course with a Grade of W (University)
I hope that you never find it necessary to drop this or any other class. However, events can sometimes occur that make dropping a course necessary or wise. Please consult with your academic advisor, the Financial Aid Office, and me, before you decide to drop this course. Should dropping the course be the best course of action, you must initiate the process to drop the course by going to the Student Services Center and filling out a course drop form. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. Please consult the Academic Calendar (http://www.tamucc.edu/academics/calendar/) for the last day to drop a course.

• Grade Appeals (College of Science and Engineering)
As stated in University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules website at http://www.tamucc.edu/provost/university_rules/index.html, and the College of Science and Engineering Grade Appeals webpage at http://sci.tamucc.edu/students/GradeAppeal.html. For assistance and/or guidance in the grade appeal process, students may contact the chair or director of the appropriate department or school, the Office of the College of Science and Engineering Dean, or the Office of the Provost.

• Disability Services
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please call (361) 825-5816 or visit Disability Services in Corpus Christi Hall 116.

If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance at (361) 825-5816. http://disabilityservices.tamucc.edu/

• Statement of Academic Continuity
In the event of an unforeseen adverse event, such as a major hurricane and classes could not be held on the campus of Texas A&M University–Corpus Christi;
this course would continue through the use of Blackboard and/or email. In addition, the syllabus and class activities may be modified to allow continuation of the course. Ideally, University facilities (i.e., emails, web sites, and Blackboard) will be operational within two days of the closing of the physical campus. However, students need to make certain that the course instructor has a primary and a secondary means of contacting each student.

L. OTHER INFORMATION

- Academic Advising
  The College of Science & Engineering requires that students meet with an Academic Advisor as soon as they are ready to declare a major. The Academic Advisor will set up a degree plan, which must be signed by the student, a faculty mentor, and the department chair. Meetings are by appointment only; advisors do not take walk-ins. Please call or stop by the Advising Center to check availability and schedule an appointment. The College’s Academic Advising Center is located in Center for Instruction 350 or can be reached at (361) 825-3928.

- CASA
  The Center for Academic Student Achievement is your best free resource on campus. It provides free academic support through tutoring, counseling, and helps you navigated through higher education. The CASA website is: http://casa.tamucc.edu/

GENERAL DISCLAIMER

I reserve the right to modify the information, schedule, assignments, deadlines, and course policies in this syllabus if and when necessary. I will announce such changes in a timely manner during regularly scheduled lecture periods.