INSTRUCTOR: Ian McCance

EMAIL: imccance@cerritos.edu

TELEPHONE: (562) 860-2451 x3712

WEBPAGE: http://cerritos.edu/imccance

OFFICE HOURS: M 11:00 am - 12 pm, TTh 12:30 pm - 1:30 pm

OFFICE: PST 214

TICKET #, TIME AND ROOM: 23806 MW 12:00 pm - 1:50 pm LC 134

PREREQUISITE: MATH 20 or equivalent with a grade of Pass or "C" or higher or satisfactory completion of the Math Placement.


STUDENT LEARNING OUTCOME:
A. Communicate mathematical thinking coherently and clearly with appropriate use of mathematical notation and vocabulary.
B. Develop meaning for integers and represent and compare quantities with them.
C. Develop an initial conceptual understanding of different uses of variables.
D. Create, analyze, and interpret real world situations using concepts of ratios, rates, proportions, percent, geometry and measurement.
E. Develop a conceptual and practical understanding of measurement and basic geometry.

CALCULATOR: Scientific calculators. Cell phones, ipads, pdas, tablets, etc. may not be used as a calculators. Graphing calculator recommended. Graphing Calculator such as TI 83, TI 84, or TI 84 C is strongly suggested” for Math 60, Math 70, and math 80 classes.

HOMEWORK: Homework will be assigned daily. You have been assigned a series of videos to watch. The schedule, which will tell you which videos to watch by a due date, is available online. To complete the homework assignments: 1) Go to the "videos lectures" link to view the video list. 2) Click on the links for the assigned note page. 3) Print the note page (Sample note page). 4) Click on the link to the video, "Youtube videos", and take notes. 5) Perform some daily review problems from previous sections. Place all of your work in your "Portfolio" and bring it to class. Staying organized is a necessary skill for success in a math class.

The videos are important, so please spend some time trying to understand the concepts presented by them.
PORTFOLIO: Your portfolio will consist of a 3-ring binder with tabbed sections for the following:
1) Syllabus and schedules  
2) Video lecture notes  
3) Daily review problems  
4) Classwork  
5) Graded Quizzes/Exams. Your portfolio must be organized. All papers must be 3-hole punched and attached to the 3-ring binder. No loose papers.

QUIZZES: You will have a short quiz at the end of every class, except for exam days. Each quiz is worth 4 points.

Make-up quizzes will only be given with documented extreme extenuating circumstance.

ATTENDANCE/PARTICIPATION: You must attend class every day in order to be successful in this course. It is also important for you to be on time. Attendance will be taken every day. If you are late or leave early, then it is your responsibility to let me know that you are present. "it is the student's responsibility to withdraw officially from a course." However, because of enrollment demand a student may be dropped by the instructor when not appearing at the first class meeting. A student may also be dropped for excessive absences when the total hours of absence exceed 10% of the total scheduled hours of the class." If more than 8 hours are missed, then you may be dropped. This means leaving early and arriving late will be counted towards the hours of absence.

If, due to unforeseen emergencies, I do not arrive at the scheduled start time of class, you are to remain in class for fifteen minutes. After that time, you may leave with no penalty for absence or assigned work due for that class meeting.

EXAMINATIONS: There will be four examinations and a final. Each examination will consist of the following: Exam #1 - Chapters 1, 2  Exam #2 - Chapters 4, 5  Exam #3 - Chapter 3, 1.6, 1.7, 2.6, 4.8, 5.8  Exam #4 - Chapter 6, 7, 8  Final- Comprehensive. All material contained on each exam, as well as the date of the exam, is subject to change.

Make-up exams will only be given with a documented extreme extenuating circumstance.

You must contact me immediately if you know you will be missing an examination. You must contact me ASAP if an exam is missed. If possible, make-up exams must be completed before the next schedule class after the exam. A missed examination will be counted as a 0. Exams taken through DSPS must be scheduled a week in advance and must be scheduled for the same day as the in-class exam. If the exam is not scheduled a week in advance, then the exam may need to be taken in-class.

During quizzes or exams, it is your responsibility to make sure you have taken care of all personal needs before you are given a quiz or exam. If you need to leave the classroom for any reason during a quiz or exam, you will not be allowed to return to complete the rest of the quiz or exam. This policy also applies to restroom breaks. If you require special accommodations during testing, please contact DSPS to make any necessary arrangements.

COURSE GRADE: Grades will be determined from quizzes and examinations. The total points for quizzes are predicted points and my change by the end of the semester. Marks will be distributed as follows:

<table>
<thead>
<tr>
<th>Quiz</th>
<th>72 pts. (4 pt. each quiz)</th>
<th>100%-90% A, 89%-80% B,</th>
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<tbody>
<tr>
<td>Examinations</td>
<td>400 pts. (100 pts. each exam)</td>
<td>79%-75% C, 74%-60% D,</td>
</tr>
<tr>
<td>Final Examination</td>
<td>150 pts.</td>
<td>59%-0% F.</td>
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<tr>
<td>Total</td>
<td>622 pts.</td>
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**DISABLED STUDENT PROGRAMS & SERVICES:** Students with limitations due to a disability may receive support services and instruction from Disabled Student Programs and Services. Those students with mobility, visual, hearing, speech, psychological and other health impairments as well as learning and developmental disabilities are served. Disabled Student Programs and Services (DSPS) has been in operation at Cerritos since 1969.

For information or an appointment call (562) 860-2451, extension 2335

**ACADEMIC HONESTY:** Students are expected to abide by ethical standards in preparing and presenting material. Academic dishonesty includes, but is not limited to, copying another person’s paper or homework, discussing answers during an examination, using notes without permission from the instructor, and allowing someone to copy your work. Lack of academic honesty may result in expulsion.

**IMPORTANT DEADLINES:** The last day to drop without a “W” is 9/4. The last day to withdraw with a “W” is 11/20. Pass/No pass is 9/18.

"Insanity: doing the same thing over and over again and expecting different results.”- Albert Einstein.
1. Make three friends in our class and take down their info. Friends are handy if you miss a class or if you just want a study buddy.

Friend number 1:
Name:_______________________________________________________
Phone/email:_________________________________________________

Friend number 2:
Name:_______________________________________________________
Phone/email:_________________________________________________

Friend number 3:
Name:_______________________________________________________
Phone/email:_________________________________________________

2. Agree on a common group meeting place. For example: coffee shop, fast food restaurant, library, laundry mat, park, abandoned house, vacant lot, large van… Study groups are very effective ways to review and learn material.

____________________________________________________________________________________

3. Find the success center and sign up for free tutoring. Get help with at least one homework question, and ask them very nicely to sign below.

Signature of a tutor/Instructor__________________________________________________________

4. Find some time daily to study math, this includes HW and review, and mark those hours below.

EX. Monday 1pm-1:40pm, 5pm-6pm

Hours required to pass a math/science class per day = 0.5(4) = 2 hours per day
(M-F only, for some reason textbooks seal shut on Weekends.)

<table>
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<tr>
<th>Monday</th>
<th>Tuesday</th>
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5. Buy a three ring binder and place just your printed math notes in it, in order. Label the binder Math and not College classes or Math/English/History/Art/Geography/Interpretive Dance, one binder per subject please.

You must show me the completed all 5 in order to receive the 5 points.
1) Find three people.
2) Ask each of them individually to choose one question and try to answer the question correctly.
3) Write down everything they say and do, how they are acting, how they appear to be feeling, etc…

Questions:
1) Farmer John has chicken and pigs. Little Jimmy wants to know how many pigs and how many chickens farmer John has. Little Jimmy's vision is blurry, so he cannot distinguish between the pigs and chickens. All he can see is the heads and feet of the animals. He counts 30 heads and 94 feet. How many chickens and how many pigs are there?

2) Gary began peeling a pile of 44 potatoes at the rate of 3 per minute. Four minutes later, Christen joined him, and peeled at the rate of 5 potatoes per minute. When they were finished, how many potatoes had each peeled?

3) You are on your way to visit your Grandma, who lives at the end of the valley. It's her birthday, and you want to give her the cakes you've made. Between your house and her house, you have to cross 7 bridges, and as it goes in the land of make believe, there is a troll under every bridge! Each troll, quite rightly, insists that you pay a troll toll. Before you can cross their bridge, you have to give them half of the cakes you are carrying, but as they are kind trolls, they each give you back a single cake. How many cakes do you have to leave home with to make sure that you arrive at Grandma's with exactly 2 cakes?

4) A shop sells apples at $1 each. Each of these apples are wrapped in a special wrapper. You can trade 3 of these wrappers for 1 apple. If you have $15, how many apples can you get altogether?

5) Turn the first shape into the second by moving only three circles.