Lake Region State College

Math 107: Pre-calculus Math
Course Syllabus
Jennie Weber
Fall 2019

Instructor Information:

Contact Information:
Email: jennie.weber@lrsc.edu

 This is the best way to contact me. I check my email daily during weekdays and at least once on the weekend (this is the bare minimum; I actually check my email a lot more). Sometimes email fails to transmit to the receiver without an error indication to you. I **always** answer emails. If you don't receive an acknowledgement of your email from me please resend your email.

Office: Online in Collaborate by request

Office Hours: By Appointment (I am **happy** to speak with you on the phone, in the chat room, at your convenience so please let me know if you need to schedule time with me! You are also welcome to just email or call me **anytime**.)

Time Zones: I run this class on Central Time because that is where LRSC is located. I am happy to accommodate **your** time zone as long as you let me know in the first week.

Cell: 907-795-6655 (I will answer texts - best from 11 AM to 11 PM CST, Alaska is **three hours behind** ND, please consider that when calling. **Your** 8 AM is **my** 5 AM)

Never be afraid to call me – that's why this number is here. Use it if you need it!

Fax: Available Upon Request

Education:
B.A. (History), University of North Dakota
B.S. (Mathematics), University of North Dakota
M.A. (History), University of North Dakota
M.L.I.S., Kent State University
Graduate Certificate in Statistics, University of Alaska

Course Information:
Course Name: Pre-calculus Math

Course Dept & Number: Math 107
Class Number: 14741
Dates: August 26, 2019 to December 20, 2019
Credit Hours: 4
Prerequisites: Sufficient background math skills

Course Materials:
This course uses MyMathLab (MML) and this comes with an electronic copy of the book. Therefore, you are not required to buy an actual textbook, but rather this program. You can still buy a "real" book if you want, but you do not need to. You get instant feedback as you do homework by using MML, which I feel is what makes this a critical addition to the class. You will access (and purchase) MML through our Blackboard course shell. The course ID is weber28847. You cannot pass this class without purchasing MML and it must be done right away. If you'd like a copy of the book for any reason, it is available through LRSC's bookstore or through many online stores.

You are also required to have Microsoft Word (or another program that is approved by the instructor). This is the program that LRSC chooses to use for its computers. It is also recommended you have access to Adobe Acrobat (which is available for free download at www.adobe.com).

You should also have a scientific calculator for this course (you can go to Wal-Mart and buy one for $10-$20….these are not super expensive). Make sure it does trig functions and logarithms on it. You do not need a graphing calculator at this point unless you want one. Your homework and tests will expect you have access to this, so not having it will negatively affect your grade. I would suggest if you are going on to higher classes (such as Calculus), I would buy the graphing calculator (my recommendation is a TI-83 or TI-84) now so you can start getting used to it. These run about $100, but you can often get good deals online on used ones. I will often do videos that show how to use these and they certainly can help out.

I will provide additional materials each week that you will access online through the course website.

Optional Textbook:
1. Hornsby, John E., Margaret Lial, Gary Rockswold. *A Graphical Approach to Precalculus with Limits*, 7th ed.Pearson. 2019. ISBN: 978-0-13-469649-2. [Optional – ebook embedded in course.]

Course Due Dates:
The dates of all major events and assignments follow below. All assignments are due by 11:59 PM on the day listed. I run this class on Central Time, which is where LSRC is. If you aren't in CST (and I'm not myself) and turning in assignments on CST will be a problem, just let me know at the beginning. A "week" runs from Monday to Sunday.

August 26: First Day of Class

September 2: Labor Day – LRSC Closed
September 3: Assignment 1 Due
September 8: Assignment 2, Graphing Assignment 1 Due
September 12: Lesson Presentations Due (Group 1)
September 15: Assignment 3, Practice Test 1 and Test 1 Due
September 22: Assignment 4, Graphing Assignment 2 Due
September 29: Assignment 5 Due
October 3: Lesson Presentations Due (Group 2)
October 6: Assignment 6 Due, Practice Test 2 and Test 2 Due
October 13: Assignment 7, Graphing Assignment 3 Due
October 20: Assignment 8 Due
October 24: Lesson Presentations Due (Group 3)
October 27: Assignment 9, Practice Test 3 and Test 3 Due
November 3: Assignment 10 Due
November 10: Assignment 11, Trig Assignment 1 Due
November 11: Veterans' Day – LRSC Closed
November 14: Lesson Presentations Due (Group 4)
November 15: Last Day to Drop
November 17: Assignment 12, Practice Test 4 and Test 4 Due
November 24: Assignment 13, Trig Assignment 2 Due
November 27-29: Thanksgiving Day Holiday – LRSC Closed
December 2: Assignment 14 Due
December 8: Assignment 15, Trig Assignment 3 Due,
December 15: Assignment 16 Due, Trig Assignment 4 Due
December 19: Assignment 17 Due
December 20: Practice Test 5 and Test 5 Due, Extra Credit Due (optional), Last Day of Class

Catalog Description:
Equations and inequalities, polynomial, rational, exponential, logarithmic, trigonometric and inverse trigonometric functions; trigonometric identities and equations and applications. [From the LRSC 2017-2019 Catalog, pg. 111]

Student Outcomes/Competencies and General Education Objectives:
It is the goal of this course for students to become proficient in the math skills necessary for continuing into calculus (see catalog description for a list of topics) as well as the other objectives outlined below. The corresponding numbers of Lake Region State College General Education goals (pg. 4-5) are placed in the parentheses with the full text after them.
- Apply knowledge of mathematics in daily life [V.1: To develop a conceptual understanding of mathematics and a practical knowledge of mathematical application—numerical. I.3: To apply knowledge gained in the educational process and use that knowledge in everyday living—apply knowledge to the real world]
    - Students will work application problems throughout the term.

- Analyze and understand the language of mathematics [II.3: To use information objectively for solving problems and arriving at alterative solutions-problem-solving skills.]
  - Students will be able to process and understand problems presented in the language of mathematics so that they can solve them.
- Improve logic skills [V.4: To foster an attitude of intellectual inquiry and methodology which will expand one's view of the universe and the place of humanity within it – scientific method/inquiry.]
  - Students will have improved their logic skills in assessing problems and figuring out ways to solve problems.
- Increase their computer skills [VI.3: To apply current technologies to access and utilization of information – application of technology.]
  - Students will use MyMathLab to help them better understand pre-calculus and turn in their homework.
- Value the role of math in their careers [VII.2: To nurture and promote the ability to adapt to an ever-changing society-adapt to the future.]
  - Students will be able to use the skills in this class in their subsequent career fields.

Grading Policy:
It is important that you complete all course material in a timely manner. Late papers will be deducted up to one letter grade (10%) for EACH business day it is late. Late homework assignments will only be accepted until you have completed the exam. Late homework is docked at least 1/2 point per day it is late down to half credit. Once you complete the exam, I reserve the right not to accept any late homework that was due before the exam. You also must take all the exams and I do not take late exams with documentation of an emergency situation. I WILL NOT assign you a passing grade if you have not completed all exams. If reasons beyond your control arise it is your responsibility to contact the instructor. A grade of incomplete ("I") is not automatic and will only be given with justification. Incompletes must be arranged with the instructor. All work must be completed by the last day of the course in order to receive a grade for the course, unless the instructor awards a grade of incomplete. Incomplete grades will revert to a letter grade at the end of the next term. Extensions must be justified and approved by the instructor.

Grading Criteria:
This itemizes where all your points will come from.

255	Homework (17 at 15 points each)
85	Participation (17 weeks at 5 points each)
105	Graphing/Trig Assignments (15 points each)
20	LP Participation (4 weeks at 5 points each)
15	Orientation

75	Practice Tests (5 and 15 points each)
50	Lesson Presentation
250	Exams (5 at 50 points each)

Grading Scale:
Grades will be awarded based on the traditional ten point grading scales.

A	100-90%
B	89-80%
C	79-70%
D	69-60%
F	59-0%

Assessment Tools and Procedures:
This course is set up in "weeks." A week begins on Monday morning at 12:01 AM and ends Sunday night at 11:59 PM. All assignments are due on Sunday, unless otherwise noted.

All homework and exams are due through MML by 11:59 PM on the date listed (which will normally be the end of each week). Homework can be scanned, faxed or typed into Microsoft Word/Excel if you are having issues with MML.

You are welcome to use your lecture notes and book on the exams and practice tests, but remember they are TIMED, so you don't have time to look up much and finish the exam. While you can use your materials, having someone help you (another student, a tutor, etc.) constitutes academic dishonesty. I reserve the right to require you get a proctor if I have questions about your academic honesty.

Lesson Presentations must be posted on discussion thread as well as turned into your dropbox. This assignment is due by 11:59 PM on the date listed for the group you are assigned. As a note, I will take requests on when you go if I get them in Week 1.

Participation will be assessed by the instructor and graded weekly. Because of the nature of this course (online) it is very important that you keep up on your homework and participate fully!

Academic Honesty:
Lake Region State College policies are in effect. Academic honesty is required of all members of a learning community. Hence, the college will not tolerate cheating or plagiarism on tests, examinations, research papers, or other course assignments. Students who engage in such dishonesty may be given a failing grade on the assignment or exam and in the course. For definitions and descriptions of cheating, plagiarism, and collusion

see the following description in the LRSC College Catalog. (Scholastic Dishonesty is discussed on pg. 38-9 of the College Catalog.)

For a better understanding of plagiarism, see this website.

Resources Available:
Help Desk:
If you have any trouble with an eCourse, please contact the NDUS/Blackboard Online 24-hour Help Desk at 1-866-457-6387 for support or LRSC Helpdesk at 701-662-1596.

You can email the Help Desk at helpdesk@lrsconline.com

Help Desk staff are waiting for your call 24 hours a day, 7 days a week, 365 days a year.

You have access to Smartthinking though LRSC and this provides 24 hour, 7 day a week online tutoring (there is a link in the course shell itself under Course Home). You can also contact Andy Wakeford, the online advisor, to find out about all the in person tutoring options available.

Online Library:
The Paul Hoghaug Library, located on the Lake Region State College campus, is a wonderful resource for you. You don't need to be on-campus to use the resources. Once you have a library card, you can access library resources online through ODIN (Online Dakota Information Network).

If you do not have a College library card yet, you can apply online and check out books online.

Academic Division Mission Statement:
The Academic Division focuses on the student, providing high-quality, accessible educational opportunities in the liberal arts. The Division strives to maintain an educational environment in which students learn to think critically and creatively and express themselves cogently, broadening their understanding of life and their ability to function successfully in a complex and changing society to their full potential.

The main functions of the Academic Division are to:
1. Provide the curricula for an associate of arts degree and/or academic transfer to a four-year institution with adequate preparation for academic success.
2. Provide additional academic assistance to those students who need academic skills or knowledge prior to enrolling or as they enroll in a course of study.
3. Provide curricula that give the student a foundation for life-long learning.
4. Providing a program of general education courses that will enable the student to fulfill the system-wide general education requirements as set forth by the North Dakota University System.