

Dixie State University

<http://www.dixie.edu>

Syllabus for Transitional Mathematics IIB (4.0 credits)

CRN **22441** Math 0980-12H Spring 2019

This course is a pre-requisite course for GE math courses MATH 1030 and MATH 1040. It does not count as a prerequisite for MATH 1050. It does not count toward overall credits earned for graduation, nor does it fill general education requirements; however, this course counts for financial aid and activity eligibility purposes, and the final grade contributes to the student's cumulative GPA.

Instructor:	Michele Poast	Class Time:	4-5:40p MW
Phone:	(435) 652-7918	Classrooms:	HEC 102 (Hurricane)
Email:	poast@dixie.edu		
Office:	HEC 110 (Hurricane)	Date Range:	January 7 th - May 2 nd , 2019
Office hours:	5:40-6:40p MTWTh (Hurricane) 2:15-3p TTh (StG)		

Course Objectives:

The level of sophistication and maturity of thinking expected of college students in the area of mathematics must extend their aptitude for quantitative reasoning beyond routine problem solving. This reasoning will allow the student to handle problem situations of greater complexity and diversity and lead them to an ability to mathematically analyze ideas both within and outside of mathematics. Therefore, courses meeting the General Education Mathematics requirement must have met a pre-requisite of Math 1000 (or equivalent) and, at a minimum, achieve the following goals:

- Require students to perform and understand mathematical processes involving fractions, percentages, decimals, ratio/proportions, algebraic equations, and/or calculus techniques.
- Provide students with application problems that use a variety of methods, including arithmetical, algebraic, geometric and/or statistical methods.
- Challenge students to make inferences from mathematical models that include formulas, graphs, and tables.
- Motivate students to understand the importance of mathematics through real-world experiences that require them to discover connections to other disciplines through a variety of mathematical techniques.

Math 0980 is designed to give students a basic understanding of beginning algebra and Statistics and prepare them for more advanced work in their general education Quantitative reasoning (MATH 1030) or Statistics (MATH 1040) course. Each successful student in this course will:

1. Develop problem-solving skills in real-world modeling exercises utilizing whole numbers, fractions, decimals, percentages, signed numbers, proportions/ratios, and algebraic equations.
2. Use algebraic processes to solve algebraic equations with one unknown.
3. Graph linear equations in two variables using various techniques.
4. Analyze and apply linear equations in two variables and their graphs to real-world problems.
5. Calculate and interpret measures of central tendency and spread from data.
6. Compute basic probabilities theoretically and from empirical data.

Class Structure: This section will have an extensive computer-based component. This means all homework, reviews, and tests will be done, checked and submitted to the instructor through a computer program called MyMathLab (MML). *You will need access to a computer with internet for daily assignments.* Computer labs on campus are available to those students who do not have Internet access. Access to the required digital course materials will be provided through Canvas (canvas.dixie.edu) and *billed directly to your mydixie account.*

If you are retaking this class, and you previously purchased the access code within the past year, please email Claudia West at west_c@dixie.edu to opt out of paying for the software a second time. In the subject line, write OPT OUT to request a refund. Once your request has been verified, your mydixie account will be refunded. Students who drop their class after the first three weeks are not eligible to receive a refund.

Prerequisite: C or better in Math 0900; OR ACT or equivalent placement exam 12 or higher. All prerequisites satisfied within two years of enrollment in this course.

Required Textbook and Materials: This course will take part in Dixie State University's Inclusive Access Program. This service allows the students instant access to online course materials on the first day of class. Your "MYDIXIE" account has been charged the

course material fee. To gain access to your content you will log into Canvas and select this course. In addition to the materials fee, the course fee is \$35 and is used for the maintenance of the computer labs and the employment of tutors and supplemental instructors for your benefit in the eLab. A non-graphing scientific calculator (\$8-\$20) is recommended.

Catalog Description: Prepares students for courses that fulfill the General Education Math requirement for non-science and technology degrees, i.e., Math 1030 – Quantitative Reasoning and Math 1040 – Introduction to Statistics specifically. Concepts emphasized in this course include the algebra, geometry, and statistics needed to move directly into Quantitative Reasoning and Introduction to Statistics. Students will be expected to reason mathematically, apply mathematical concepts to real-world experiences, and build the foundational skills necessary for success in their next course. Students who successfully complete Math 0980 will satisfy the prerequisite for Math 1030 & Math 1040.

Calculators: A non-graphing scientific calculator is recommended. *Graphing Calculators, Cell phones, Smart watches, iPads, etc., may not be used as calculators on tests.* Check with your instructor to be sure you are using an appropriate calculator. **Your instructor will use the TI-30X IIS for class examples.**

Attendance and Participation: You are required to attend class and participate in class activities every day during your scheduled class time. Attendance and participation are mandatory and worth 10% of your overall grade! You are responsible for making sure your instructor records your attendance each day. If you leave early from class without the instructor's permission, you will be marked absent and lose your attendance points for the day.

Tutoring Attendance: You are required to spend one hour per week of tutoring for additional homework help. You may use: the eLab Math Tutoring Center, Supplemental Instruction, TRiO, or any other *approved* tutoring facility. Your instructor will provide more details in class. You must sign in and out to receive credit. Your hours will be sent to your instructor weekly. Tutoring attendance is mandatory and will be counted towards your Attendance grade! (We find it is easiest if you block out an hour each week building it into your schedule as if it were a class.)

Homework and Test Reviews: Assignments are to be completed in Canvas through MyMathLab. Due dates are posted in MyMathLab and on the Assignment Schedule.

- To receive full credit, homework and review assignments must be completed by the due date. Partial credit will be given for any problems/assignments completed after the due date.
- You must score a minimum of 80% on your homework assignments and the test review in order to access the second attempt of the test for those sections.
- You get three attempts to get a problem correct. If after the third attempt you still have not gotten the problem correct, you may request a similar problem to be generated and graded by clicking on the "Similar Question" button at the bottom of the homework window. You are encouraged to repeat homework problems and obtain a perfect score before the due date.
- If you need help on an assignment, it is recommended to contact your instructor or visit the eLab for tutoring help. If you still do not know how to solve a problem, you may select the "Help Me Solve This", "View an Example", or other help features in the right-hand menu in the MyMathLab homework window. No help features are available within the review assignments.
- *Assignment Schedule is located in MyMathLab and will be provided with the syllabus as a separate PDF.*
- Your homework and test review scores will be totaled and scaled to count as 25% of your overall course grade!

Extensions: Extensions to due dates will not be given, unless you have an appropriate and documented excused absence.

Homework Notebook: Because of the nature of the course, it is important to keep a homework notebook in which you write all lecture notes and keep track of all assignment questions. The more organized you are, the better you will succeed. If you have questions on how to best be organized and how to study effectively, please ask your instructor!

Tests: Tests will be given roughly once every three weeks. You may take each test up to two times to improve your score and only the highest score will be counted. If you would like to take a test early, you need to contact your instructor and set up an appointment. Your first attempt must be taken in Hurricane. If you finish all of the homework and the review with at least an 80%, you earn the opportunity to retake your test. **If you scored less than a 70% on your first attempt and want a second attempt, it is highly recommended you set up an appointment and get help from your instructor before you take your second attempt.** You may not access any other websites or wear headphones while taking your tests. A non-graphing scientific calculator is allowed and highly recommended on all tests. Chapter Tests are worth 40% of your overall grade!

Final Exam: The Final Exam will be comprehensive and is worth 25% of your overall course grade. **You must take the Final Exam between Monday April 29 and Thursday May 2 in the Hurricane Testing Center. You may take the comprehensive Final Exam only once.** There are no prerequisites to the Final Exam; however, it is highly recommended that you finish all homework assignments and the Final Exam Review prior to test day. You may not access any other websites or wear headphones while taking your Final Exam.

Tutoring Center, eLab, Supplemental Instruction: We offer tutoring and supplemental instruction for students seeking extra help in their courses. Please check the eLab for the Tutoring and Supplemental Instruction schedule.

Grading Policy: Grades will be based on:

Attendance/Participation 10%	Homework and Reviews 25%
Tests 40%	Final Exam 25%

You can see your grade for all MyMathLab assignments and exams with the MyMathLab gradebook. Your overall score and current letter grade for the course also can be found by clicking on the “Grades” tab in our Canvas course page. Letter grades will be assigned as follows:

A	94 – 100%	B	83 – 86%	C	70 – 74%	D	55 – 59%
A-	90 – 93%	B-	80 – 82%	C-	65 – 69%	D-	50 – 54%
B+	87 – 89%	C+	75 – 79%	D+	60 – 64%	F	0 – 49%

Cheating: Cheating will not be tolerated. Students caught cheating will receive an automatic zero for that assignment/test and forfeit the right of any retakes. If caught more than once, the student will be reported to the Department Chair for further disciplinary action. Please refer to: **Academic Integrity / Academic Honesty:** Specific course rules and reference to Student Rights and Responsibilities Code, Policy 5-33, is available at <http://catalog.dixie.edu/codeofstudentrightsresponsibilities/> or the University Catalog.

Canvas: Canvas will be the port of entry for your use of the homework software. Canvas will also be used for you to monitor grades. To access Canvas, go to <https://canvas.dixie.edu/>. We encourage you to always refer to your Canvas gradebook as an accurate representation of your current standing in the course.

Testing Center: Tests will NOT be given in the Testing Center. If necessary, you can find current testing center hours at <http://dixie.edu/testing>

Disability Resource Center: If you suspect or are aware that you have a disability that may affect your success in the course, you are strongly encouraged to contact the Disability Resource Center (DRC) located in the North Plaza Building. The disability will be evaluated and eligible students will receive assistance in obtaining reasonable accommodations. Phone: (435) 652-7516.

Withdrawing from or dropping a class: If you never attend a class, the instructor may withdraw you from it. If you attend even one day, the instructor cannot withdraw you from the class. Since not all instructors will withdraw you for non-attendance, you should take care of that transaction for yourself by going to the registration window. *If you quit attending and do not withdraw from the class you will receive a failing grade, F.*

Complete Withdrawal: Dropping all classes does not withdraw you from the university and you may receive all F’s. You must contact the Advisement Center, complete a withdrawal form, and surrender your student ID card.

Changes: Although unlikely, this syllabus and/or the assignment schedule may be changed if deemed necessary by the instructor. All changes will be announced in class and/or sent to your Dmail, Canvas, or MML account.

Miscellaneous Information: For comprehensive information on University resources such as the Library, Disability Resource Center, IT Student Help Desk, Online Writing Lab, Testing Center, Tutoring Center, Writing Center, etc., please go to <http://dixie.edu/resources/>.