***ALGEBRA FOR CALCULUS MATH 11010-010 Spring 2015 DAYTIME SECTIONS***

**INSTRUCTOR**:Beverly M. Reed**OFFICE**: 334 MSB

**PHONE:**(330) 672-9092  **E-MAIL:** breed1@kent.edu

**OFFICE HOURS**: 12:05–1:45 TR; 2:15 – 3:05 MW; Other times by appointment (Need at least 5 hours a week!)

**COURSE GOALS:** The purpose of this course is to develop conceptual understanding and fluency with algebraic techniques and manipulations necessary for success in Calculus. We will study elementary functions and graphs, including polynomial, rational, exponential, and logarithmic functions; complex numbers; the conic sections and arithmetic and geometric sequences and series. For more detailed learning outcomes, click [here](http://www.math.kent.edu/~reed/Instructors/MATH%2011010/11010%20Algebra%20for%20Calculus_Learning_Outcomes.pdf).

**KENT CORE REQUIREMENT:** This course may be used to satisfy the Kent Core Requirement. The Kent Core is the foundation of the university's mission to prepare students to live in today's complex, global society. It broadens intellectual perspectives, fosters ethical and humanitarian values and prepares students for responsible citizenship and productive careers.

**COURSE PREREQUISITE:** You are expected to have successfully completed (with a grade of C or better) MATH 00024 here at Kent or have an appropriate placement score on the university ALEKS placement assessment. If you do not satisfy these prerequisites, the Registrar may de-register you from this course.

**ATTENDANCE:** You are expected to attend every class session. If you miss a class due to unforeseen circumstances, it is your responsibility to obtain notes from another class member and complete assignments in a timely manner. Acceptable reasons for missing class include illness and injury (with documentation), disability-related concerns, military service, death in the immediate family, religious observance, academic field trips, and participation in an approved concert or athletic event. Absences for these reasons are considered “excused.” Please notify me, in advance if at all possible, if you need to miss class. I do not allow make-ups on quizzes for unexcused absences.

**TEXT:** Beecher, Penna, Bittinger, [**MATH 11010 Algebra for Calculus Package AND MATH 20095 Algebra for Calculus PLUS Package KENT STATE UNIVERSITY, 1/e**](http://vig.pearsoned.com/store/product/1,1207,store-23640_isbn-1269305514,00.html) Published by Pearson Addison Wesley. Available at the bookstore or at <http://www.mypearsonstore.com/stores/KSUMath> The login name to enter this site is “ksu” (without quotes) and the password is “welcome” (without quotes).

**BLACKBOARD website:** We have a Blackboard site for this course, which you can enter via flashline. Click on the “Blackboard” icon in the upper right or click on the “Student Tools and Courses” tab, then “Blackboard Single Sign-on” in the upper left corner.

**MYLABSPLUS SITE**: Homework will be completed on the software that accompanies the text. Go to <http://kent.mylabsplus.com> .Your login name is your Kent flashline ID name. For example, Dr. Reed’s would be breed1 since her Kent email address is [breed1@kent.edu](mailto:breed1@kent.edu). Your password is ksumath (ALL lower case!). See the “Student Registration Procedures” handout on the Blackboard homepage for further directions. If you already have a MLP account, please use that login and password.

**CALCULATOR:**  You need a **graphing calculator** for class activities and homework assignments**.** I will be using a TI\*83 plus or TI\*84 plus for in-class demonstrations and suggest you purchase one of these if you do not currently own a graphing calculator. Please bring the calculator to class ***every day.*** A **TI-89, TI-92**, **and calculators with a Computer Algebra System Capability** are **not permitted** during exams or quizzes.

**HOMEWORK:** You will complete regular homework assignments on MyLabsPlus, the computer software that accompanies our text. You need to keep a notebook showing all work for these assignments and should schedule about 1½ hours daily to complete the work. If you score an 80% or better on an assignment and submit it on time, you will receive 2 points for that assignment. Otherwise you will earn 0 points. MLP homework assignments are due on the class day *after* they are assigned, unless otherwise noted. Assignments submitted after due dates have an automatic 15% point reduction. I will accept *no* late assignments once the exam has been given on the chapter. Exceptions to these deadlines are: a) documented illness, b) death in the immediate family, or c) involvement in a university-sponsored event (sports team, choir, etc.). I may assign periodic paper and pencil homework.

**GATEWAY EXAM:** The Gateway Exam consists of 25 questions on basic skills that are pre-requisite knowledge for our course. You will take the Gateway Exam on the course software, MyLabsPlus, but need to show all your work on paper and hand it in to me. You may take the exam in your dorm room or home, but are expected to do your own work in a quiet, undisturbed setting. You are permitted NO ASSISTANCE for this exam – no notes, no textbook, no outside website, no friends. You have two attempts, however, and I will count your higher score. There are practice problems on MLP , “Gateway Review of Pre-requisite Skills,” to help you prepare for this exam. The exam must be completed by the end of the second week of class (January 23 at midnight).

**GROUP WORK:** You will have 3 group assignments, with a fourth optional one. Each is worth 20 points. These assignments will be graded for correctness, accuracy, and presentation (neatness). Details will be given in class.

**QUIZZES:** You will have a quiz at least once a week, usually on Thursday, except if an exam is scheduled that week. You need to be present the *entire class period* in order to earn your points for any in-class quiz. Some of the quizzes may be group quizzes.

**FINAL EXAM:** The final exam is a ***block final,*** which means all Algebra for Calculus classes take it at the same time. Please make a note NOW of the day and date: ***Tuesday, May 5 from 3:15 – 5:30 p.m*.** The final is a cumulative exam.

(NOTE TO INSTRUCTOR: IF YOU HAVE AN EVENING CLASS, YOUR STUDENTS DO NOT TAKE THE FINAL EXAM AT THIS TIME. Please check the Day by Day schedule OR the final exam schedule on the Registrar’s website for the correct date and time. )

**MAKE-UP EXAMS:** Given only under extraordinary circumstances with written verification of a university-accepted excuse (documented illness, death in immediate family, university-sponsored event). Please notify me IN ADVANCE, if possible, if an exam is to be missed.

**CHEATING AND PLAGIARISM:** University policy 3342-3-01.8 deals with the problem of academic dishonesty, cheating, and plagiarism.  None of these will be tolerated in this class.  The sanctions provided in this policy

will be used to deal with any violations.  If you have any questions, please read the policy at <http://www.kent.edu/policyreg/policydetails.cfm?customel_datapageid_1976529=2037779> and/or ask.

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| **GRADING:** | | ***Grading Scale*** | | |
| 4 Exams @ 100 points apiece | **400** |  |  |  |
| Gateway Exam | **45** |  |  |  |
| Homework @ 2 points apiece | **70** |  |  |  |
| Group work assignments | **60** |  |  |  |
| Quizzes @ 5 or 10 points apiece | **100** |  |  |  |
| Final Exam | **225** |  | | |
|  |  |  | | |
| **Total Points Possible** | **900** | There will be NO CURVE | | |

***In order to continue on to MATH 11012 (Intuitive Calculus) or MATH 12002 (Analytic Geometry and Calculus I), you need to earn a grade of C or better in this course.***

**STUDENTS WITH DISABILITIES**: University policy 3342-3-01.3 requires that students with disabilities be provided reasonable accommodations to ensure their equal access to course content. If you have a documented disability and require accommodations, please contact the instructor at the beginning of the semester to make arrangements for necessary classroom adjustments. Please note, you must first verify your eligibility for these through Student Accessibility Services (contact 330-672-3391 or visit [www.kent.edu/sas](http://www.kent.edu/sas) for more information on registration procedures).

**CELL PHONES:** Out of courtesy to your classmates and to me, please turn your cell phones OFF during class. If you are expecting an emergency call, please set it to *vibrate*.

**REGISTRATION REQUIREMENT**: The official registration deadline for this course is Sunday, January 25, 2015. University policy requires all students to be officially registered in each class they are attending. Students who are not officially registered for a course by published deadlines should not be attending classes and will not receive credit or a grade for the course. Each student must confirm enrollment by checking his/her class schedule (using Student Tools in FlashFast) prior to the deadline indicated. Registration errors must be corrected prior to the deadline.

**WITHDRAWAL DEADLINE:** The official withdrawal deadline for this course is Sunday, March 22.