**Georgia Highlands College**

**Course Syllabus ̶ Math 1001, Quantitative Reasoning**

**Spring Semester 2019**

**Course:** MATH 1001, Quantitative Reasoning, 3 credit hours

CRN 20097, MW 12:30 pm - 1:45 pm, Room W-200

**Prerequisite:** Registration for MATH 0997 is required each semester unless waived by satisfactory placement scores for MATH 1001 or successful completion of MATH 0987 or MATH 0099.

**Course Description:** This course emphasizes quantitative reasoning skills needed for informed citizens to understand the world around them. Topics include logic, algebra functions, linear systems and programming, measurement, basic probability, and some statistics. Students receive credit toward graduation for only one of the following courses: MATH 1001, MATH 1111.

**Instructor:** Kelly Shane

**Office:** Office W-221, Floyd Campus

**Office Hours:** (Please note that additional office hours are available after class and by appointment. Students are strongly encouraged to schedule a meeting with the instructor whenever necessary to discuss class policies or course material.)

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| **DAY** | **TIME** |
| M | 7:30 am – 8:00 am10:00 am – 11:00 am12:00 pm – 12:30 pm2:00 pm – 4:00 pm |
| T | 7:30 am – 9:30 am |
| W | 7:30 am – 8:00 am10:00 am – 11:00 am12:00 pm – 12:30 pm |
| R | 7:30 am – 9:30 am |

**Contact Information:**

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| --- | --- |
| Direct Number to Office | 706.368.7750 |
| E-mail Address | kshane@highlands.edu **(Try email first.)** |
| Web Site Address | https://faculty.highlands.edu/faculty/kshane |
| **Note: Instructor will not be using D2L system in this course** |

**Textbook:** Thinking Mathematically, Blitzer, 7th edition, printed textbook not required

**Homework Program:** MyMathLab with eBook: ISBN#: 9781323841433;

 MyMathLab Course ID: shane90494

**Calculator Requirement:** Each student taking this course needs access to a TI-83/TI-84 or equivalent graphing/scientific calculator. Students will use their calculator while participating in class, taking exams, and completing homework exercises. Please note that sharing calculators during graded assignments is not permitted. Other electronic devices may not be used during exams or quizzes — usage of such devices will result in an automatic F on the exam or quiz.

**Course Content:** Selected sections from chapters 3, 5, 6, 7, 9, 11 & 12.

**GRADING POLICIES:**

* **Exams (80%)**
	+ Four exams and a final will be given during the semester. Each exam and the final will count 100 points.
	+ **There will be no make-up exams.**
	+ The final exam will be cumulative. If the score on the final is higher than the student’s lowest exam grade, the grade will be replaced with the score from the final.
	+ **Date of Final:** **Monday, May 6, 12:30 pm**
* **MyLab Homework/Handouts (10%)**
	+ Homework will be assigned every class from MyLab and/or as handouts.
	+ Homework will be due the date of the next class meeting.
	+ Computer homework will be reduced 5% per day of credit to questions completed after the due date.
* **Notebook (10%)**
	+ Students will be expected to show paper work from MyLab in a notebook.
	+ Notebook work will be due every class meeting at the beginning of class.
	+ Notebook will not be accepted after class has begun.
	+ It must be written in pencil.
	+ Write the question and show steps or no credit will be given.
	+ All graphs must be drawn on graph paper.
	+ There will be allowances for one late notebook assignment over the course of the semester.
* **The following grading scale will apply:**
	+ 90%<A<100%, 80%<B<90%, 70%<C<80%, 60%<B<70%, F<60%,

**Students who simply quit attending class without officially withdrawing will receive a grade of F in the class.**

Students are encouraged to retain copies of all graded coursework returned during the semester. The coursework will aid students in preparing for the final exam and will serve as evidence of academic performance throughout the semester.

**The instructor retains the prerogative of altering the above plans as circumstances dictate.**

**Early Grades Statement:** GHC offers a variety of part-of-term classes to allow our students to have flexible schedules. However, there are only three Semesters each year; Spring, Summer and Fall. It is only at the end of each Semester that grades are rolled to academic history and available on the official transcript. After each part-of-term, as soon as Instructors have entered grades, they may be viewed online by logging into the SCORE (https://discovery.highlands.edu:9986/pls/SCORE/twbkwbis.P\_WWWLogin). Transcripts may also be request at any time by logging into the SCORE. Prior to the end of term, should a student need an early grade letter sent to another institution they may complete the request form and submit it to the Registrar’s Office for processing (http://www2.highlands.edu/site/registrar-forms). Please contact the Registrar’s Office at registrar@highlands.edu if you need any assistance.

**ACADEMIC POLICIES:**

**Last Day to Withdraw without Academic Penalty**: March 11

Withdrawals after this date are subject to approval by the Vice President for Academic Affairs and will be issued only in cases of extreme emergency or hardship.

**Early Warning Program:** Georgia Highlands College requires that all faculty members report their students' progress throughout the course of the semester as part of the institution-wide Early Warning Program (EWP). The objective of the program is to support academic success by reviewing early indicators of satisfactory student progress. In accordance with EWP, faculty members provide the Registrar's Office with academic reports of each student enrolled in their course(s) at checkpoints staggered throughout the semester. The following success factors are reported at their corresponding checkpoint:

* Week 2: Notification of Non-attendance
* Week 6: Satisfactory or Unsatisfactory Progress

**STUDENT LEARNING OUTCOMES:**

**Goals:** Students will interpret and apply mathematical information, concepts, and principles embedded in verbal, numerical, graphical, and symbolic representation.

**Student Learning Outcomes:** Students will be able to solve equations and inequalities, graph functions, and interpret information presented graphically. Students will also be able to express numbers, rewrite algebraic expressions, and use set notation appropriately in a variety of ways based on context. Students will be able to calculate and interpret rates of change using multiple representations. Students will also be able to model scenarios or data mathematically to solve quantitative problems and determine whether there is correlation, use technology appropriately, and apply logical, mathematical reasoning.

These outcomes correspond to the student learning outcomes approved to support the general education goals related to mathematics.

**Topics Covered:** Formal logic operations, applications, truth tables; Dimensional Analysis; Algebraic Expressions; Graphing Functions; Linear Systems, Inequalities, and Programming; Probability and applications; Modeling data and determining correlation

**CLASS ATTENDANCE & MAKE-UP EXAMS:**

Students are **expected** to attend every scheduled class session. Since lectures begin promptly at the scheduled time, students are encouraged to avoid arriving late to class. Attendance will be reflected in students’ grades through notebook and homework grades.

**Students absent for a class will not be allowed to turn in late homework unless they contact the instructor BEFORE the missed class AND the instructor gives the student permission. Students must make arrangements PRIOR to the scheduled class .**

**There will be no make-up exams. If a student needs to miss an exam, they may discuss with the instructor the possibility of taking it BEFORE the exam date. No exams will be administrated after their given date, and students who do not show up will receive a zero on the exam.**

**Extended Absence Policy:** Students, who have circumstances that prevent them from continuing to attend classes over an extended period of time, sometimes request that the faculty member permit them to submit work in absentia to receive credit to complete the course. If the concurrent absences will constitute more than 15% of the class sessions for the term, then written permission from the Academic Dean is required before any course assignments can be completed while missing class. The student must be in good academic standing in the course to make the request. All approved coursework must be completed by the end of the semester in which the course was begun.

**Student Conduct and Academic Integrity:** Policies on student conduct and academic integrity are in the College’s “Student Rights & Responsibilities” document. This can be accessed at the following URL: http://www2.highlands.edu/subwebs/academicaffairs/academicintegritypolicy.htm

**Students with Special Needs, Disability Statement:** If any student in the class feels that he or she needs accommodation due to a disability, please feel free to discuss this with the instructor early in the term. Georgia Highlands College has resources available for students with certain disabilities. Accommodations may be made (such as providing materials in alternative formats, assuring physical access to classrooms or being sensitive to interaction difficulties that may be posed by communication and/or learning disabilities) through Student Support Services on all campuses. For more information please contact: 706-368-7536.

**Financial Aid Statement:** This message applies only to students receiving financial aid: Federal regulations state that if a student did not attend classes and received failing grades, then the grades were not earned and financial aid needs to be reduced accordingly. Please be advised that any student receiving a 0.00 GPA will be required to prove that the 0.00 GPA was earned by attending classes or completing requirements for each class. Students who have earned at least one passing grade for the semester will not be affected by this regulation. If a student has properly withdrawn from all classes, the student’s financial aid should be adjusted from the time they signed the withdrawal form.

**Inclement Weather Policy:** If there is inclement weather, the college posts necessary announcements at www.highlands.edu.

**Weapons Policy:** For any questions or clarification, please refer to the University System of Georgia website: www.usg.edu/hb280.

**Tobacco-Free Campus:** Georgia Highlands prohibits the use of tobacco products on any property owned, leased or controlled by GHC. All faculty, staff, students, visitors, vendors, contractors and all others are prohibited from using any tobacco products (i.e., cigarettes, e-cigarettes, cigars, smokeless tobacco, snuff, chewing tobacco, etc.) while on GHC property.

**In Conclusion:** If you have any questions, comments, or concerns during the semester, please feel free to contact me.