Math 2008
Foundations of Number Systems
Fall Semester 2009

Instructor: Dr. Kathy Westbrook  E-mail: kwestbro@westga.edu
Office Location: 216 Boyd Building  Office Phone: 678-839-4151
Office Hours: MWF 10:00-11:00, 12:00-1:00, 2:00-3:30 pm or by appointment
(Office hours subject to change)

Course Objectives
After completion of the course, the student will demonstrate:

• An understanding of the standard vocabulary and notation of elementary mathematics;
• An understanding of the development of number systems from the whole number to integers then rational numbers and reals;
• An understanding of operations, algorithms, place value, elementary number theory;
• An ability to apply concepts of fractions, decimals, percents, ratio, and proportion in problem-solving situations;
• An appreciation for mathematics from an historical prospective;
• A better understanding of the uses of a variety of manipulatives and other material for the P-8 level.

Text (Optional)

Course Evaluation

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test - 4 @ 100 points</td>
<td>400</td>
</tr>
<tr>
<td>Homework points vary, will weight as a test</td>
<td>100</td>
</tr>
<tr>
<td>Comprehensive Final Exam</td>
<td>200</td>
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</tbody>
</table>

Total 700

Final course grades will be assigned as follows: A (630-700 points); B (560-629 points); C (490-559 points); D (420-489 points); F (0-419 points).

Test Dates: September 2, 30, October 26, November 18

Homework Assignments: Given in class.

Attendance Policy
Students are expected to attend all classes. This term a student may withdraw with a grade of W through October 5, regardless of grades, absences, etc. This deadline has been established by the University. After this deadline, if a student accumulated more than five absences throughout the semester, he/she will normally receive a grade of WF. (A grade of WF counts as an F.) The five absences should be saved for sickness and other emergencies. Late arrivals and early exits count one-half of an absence. If a student is absent for a test and has an
excuse from someone in authority, then the final exam grade will be used for the missed test in the calculation of the final course grade. No make-ups will be given. Students should understand that NO EXTRA CREDIT WILL BE GIVEN FOR ANY REASON! Students who are absent no more than 2 class meetings will be allowed to drop their lowest test grade (not the final).

Conferences
Conferences can be beneficial and are encouraged. All conferences should occur during the instructor’s office hours, whenever possible. If these hours conflict with a student’s schedule, then appointments should be made. The conference time is not to be used for duplication of lectures that were missed; it is the student’s responsibility to obtain and review lecture notes before consulting with the instructor. The instructor is very concerned about the student’s achievement and well-being and encourages anyone having difficulties with the course to come by the office for extra help. Grades will be based on coursework, not on Hope Grant needs, financial aid, GPA, or any other factors outside the realm of coursework.

Individual Accommodations
Students requiring individual educational accommodations should discuss their needs with the instructor within the first week of class.

Conduct and Academic Integrity
It is expected that students be familiar with the Student Conduct Code, Disciplinary Procedures and Disciplinary Sanctions in the Student Handbook. Cheating and/or any conduct that disturbs the classroom, the instructor, or the students WILL NOT be tolerated!! Any evidence that may show otherwise will be reported; appropriate actions will be taken; and consequences will result. If you are caught cheating on the homework assignments, tests, or final exam, you will receive an F for the course.

Pagers and Cell Phones
Students are not allowed to carry pagers and cell phones in the classroom unless they are set to an inaudible setting.

Westbrook Policy for Success

- Speak (and think) positive in all your comments to me and each other.
- Talk to me, ask specific questions.
- Let me know that you need help before the final weeks.
- Work with others in the class.
- Do the homework assignments.
- Mimic the little engine that could..."I think I can, I think I can. . ." because I know you can.