

- INSTRUCTOR:** **Cornelius Pillen**  
ILB #314 (Enter through ILB #325)  
Phone: 460-6264 Ext. 2631  
Email: pillen@jaguar1.usouthal.edu  
[http://www.southalabama.edu/mathstat/personal\\_pages/pillen/](http://www.southalabama.edu/mathstat/personal_pages/pillen/)
- CLASS TIME:** Tuesday and Thursday 9:30 AM – 10:45 AM in ILB 410.
- OFFICE HOURS:** Monday and Wednesday 10:30 AM – 12:00 Noon, Tuesday and Thursday 11:00 AM – 12:00 Noon, **and by appointment.**
- COURSE OBJECTIVE:** Students will gain a conceptual understanding of basic arithmetic and problemsolving algorithms traditionally used in elementary school. Students will also be introduced to new algorithms in part through the examination of techniques constructed by children for solving problems. Students will learn to reason about quantities, and to express their reasoning accurately. A deep understanding of mathematics will enable students to participate in meaningful conversation about mathematics with their peers and eventually with their pupils. Moreover, the student will gain some appreciation for the beauty of mathematics.
- COURSE CONTENT:** This course is an examination of some of the major ideas associated with numbers and operations encountered in the teaching of elementary mathematics. Topics include problem solving; rates, proportions, ratios, percents; numeration systems; properties of and operations on whole numbers, integers, rational numbers; and elementary number theory.
- PREREQUISITES:** A grade of C or better in MA 110 or MA 112 or a higher level mathematics course.
- TEXT:** *Reconceptualizing Mathematics*, by Judith Sowder, Larry Sowder, Susan Nickerson (Preliminary Edition).
- COVERAGE:** Chapters 2 – 11.
- ATTENDANCE POLICY:** Attendance is mandatory. It is the student's responsibility to sign the class roll for each class attended and work through any course material covered during her/his excused absence. The grade on any missed quiz or take-home quiz will be recorded as zero, and may not be made up.
- HOMEWORK:** Daily homework assignments will be given. You should work on these assignments each day. You will be expected to be able to work them in class and on the quizzes. Some homework assignments will be collected and graded.
- GRADING:** Two exams will be given during the term each counting 25% of the final grade. These exams are tentatively scheduled for September 29 and November 12. Your average quiz and homework grade will count for 20% of the final grade. The comprehensive final exam will make up the remaining 30% of the course grade.
- MAKE-UP EXAMS:** Make-up exams are given only with prior permission by the instructor.
- FINAL EXAM:** **Tuesday, December 8, 10:30 AM – 12:30 PM.**
- TUTORING LAB:** The Department offers a Tutoring Lab in room ILB 456 to all students taking Mathematics and Statistics classes. There is no lab fee. Please check the bulletin board in ILB 325 for details.
- WITHDRAWAL:** The final drop date is October 23. My goal is for every student to complete the course successfully. Please, speak with me if you are getting behind! Also talk to me before making a final decision to drop – it is easier to pass the course, than you might think.
- DISABILITY:** If you have a specific disability that qualifies you for academic accommodations, please notify the instructor and provide certification from Disability Services (Office of Special Student Services). The Office of Special Students Services is located in the Student Center, Room 270, Phone 460-7212.

**Students will be notified in class and in writing in case of changes to the syllabus.**