**ALGEBRA FOR COLLEGE READINESS**

**MATH 043**

**4 Credits**

**Fall 2015**

Instructor: Chrissy Waitley Office Location: Meyerhoeffer 215

Office Hours: MWF 10 a.m./TR 11 a.m. Office Phone: 208-732-6522

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1. **Course Description:**

This course is designed to prepare the student for college algebra and elementary statistics. It covers graphing on the Cartesian coordinate plane, algebraic expressions and factoring, first-degree equations and inequalities, linear functions, quadratic equations and functions, systems of linear equations, polynomials, rational expressions, negative and rational exponents, radicals, graphing functions, logarithms, and application problems.

2. **Pre-requisites:** Compass Prealgebra: 53-99; Compass Algebra: 26-61; SAT Math 440 or higher

3. **Required Textbooks and Supplies:** “Beginning & Intermediate Algebra with POWER Learning” and ALEKS, Messersmith & Feldman, Fourth Edition, McGraw-Hill (ALEKS for Computer Assisted Classes)

4. **Course Objectives:**

Students who complete Math 043, Algebra for College Readiness, will have a strong understanding of the topics listed in the course description and in the detailed list of course outcomes. This course will prepare students for Math 143, Math 147 and Math 153.

5. **General Education Philosophy and Student Learning Outcomes (only for General Education Courses)**

Outcome 1: The student will demonstrate mastery of course.

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Outcome 2: The student will apply mathematics to real world situations.

6. **Outcomes Assessment:**

Assessment 1: The student will demonstrate their understanding of the material by completion of diagnostic tests, daily online homework assignments, exams, and a comprehensive final exam.

Assessment 2: The student will demonstrate this skill by completion of projects that require mathematical reasoning.

7. **Policies and Procedures:**

1. **Attendance:** Any student that has not attended any classes during the first week of the semester will be dropped from the course. If the student misses two weeks in a row (not including excused absences), the student may fail the course. A class missed due to required participation in a verified school activity will not be considered an absence. See the CSI course catalog, page 35, for more details about CSI’s attendance policy.
2. **Tests are taken in the Testing Center** on campus. Missed tests are given a “0” with no makeup allowed unless the student has contacted the instructor to make arrangements ahead of time.
3. **You must have a COMPASS placement test score** upon entering the course. If not, it must be completed by the end of the first week or the student may be dropped from the course.
4. The final exam must be taken to receive a grade in the course.
5. If the student is caught cheating on a test, a grade of “0” will be given on that test.
6. When I am instructing please be respectful to others and myself. Save any questions or comments until later.
7. If your phone rings, you may be asked to leave.
8. Scientific calculators are required.

8. **Grading Practices:**

1. **Tests:** Students will take approximately six (subject to change) tests throughout the semester. Each test will be worth 100 points.
2. **Final:** A comprehensive final will be given at the end of the semester. The final will be worth 200 points. Students must receive 60% (120 points) or greater on the final to receive a grade of C or higher.
3. **Homework:** Homework will be done either on ALEKS or from the book.
4. **Participation/Attendance:** Participation and attendance will be worth 100 points toward your final grade. Coming to class late, or leaving early without being excused will result in half your daily participation points being deducted. You won’t receive any points for days you are absent.

**Grading Scale:**

90-100% = A Tests: 6 @ 100 = 600

80-89% = B Final: 200

70-79% = C Homework: 100

60-69% = D Participation/Att.: 100\_

Below 60% = F Total Points Possible: 1000

9. ***Recommended addition:***

***It is the student’s responsibility to drop the course.***

*A student may drop a course or all courses prior to the end of late registration (first Friday of the term) without it being recorded on the student’s official transcript. A student initiated drop after the late registration period is considered a withdrawal, and results in the grade of W.*

*(Students may drop courses online until the end of the late registration period. In order to withdraw from one or more courses following late registration, a completed registration form is required. Instructions on the form indicate when a signature of instructor and/or Financial Aid advisor is required. The completed form may be submitted to Admissions & Records or any off-campus center.)*

***NOTE:*** *Students may withdraw from courses until 75% of the course meetings have elapsed. No course may be withdrawn from after 75% of the course has elapsed.*

10. **CSI E-mail**

*Since email is the primary source of written communication with students, all registered CSI students get a college email account. Student e-mail addresses have the following format:* [*<address>@eaglemail.csi.edu*](https://mail.csi.edu/owa/redir.aspx?C=f1d301c12d1a441b9364eab39135c261&URL=mailto%3aaddress%40eaglemail.csi.edu) *where <address> is a name selected by the student as a part of activating his/her account. Students activate their accounts and check their CSI e-mail online at* [*http://eaglemail.csi.edu*](https://mail.csi.edu/owa/redir.aspx?C=f1d301c12d1a441b9364eab39135c261&URL=http%3a%2f%2feaglemail.csi.edu)*. Instructors and various offices send messages to these student accounts. Students must check their* ***CSI e-mail accounts regularly to avoid*** *missing important messages and deadlines. At the beginning of each semester free training sessions are offered to students who need help in using their accounts.*

11. **On-line course evaluation statement:**

*Students are strongly encouraged to complete evaluations at the end of the course. Evaluations are very important to assist the teaching faculty in continually improving the course. Evaluations are available online through MyCSI (*[*http://mycsi.csi.edu*](http://mycsi.csi.edu)*) by clicking on the CoursEval tab in the yellow navigation bar at the top of the MyCSI website once you are successfully logged-in.  Students will receive an email when the evaluation becomes available and then have up to two weeks to submit the evaluation before the end of the course. The last day to complete an evaluation is the last day of the course. Evaluations are anonymous and are not available to faculty until after grades are submitted.*

12. **Disabilities:**

*Any student with a documented disability may be eligible for reasonable accommodations. To determine eligibility and secure services, students should contact Student Disability Services at their first opportunity after registration for a class(es). Student Disability Services is located on the second floor of the Taylor Building on the Twin Falls Campus. 208.732.6260 or e-mail Marita DeBoard,* [*mdeboard@csi.edu*](mailto:mdeboard@csi.edu)*.*

13. **CSI Campus Security:**

*The College of Southern Idaho is committed to providing safe campuses for all students. Currently in place is an Emergency Notification System (RAVE) that provides information relating to an emergency on any CSI campus. This information is delivered electronically and can be received by all phone numbers and internet-equipped computers identified by the student. Registration is automatic when students register and contact information can be customized online (*[*http://www.csi.edu/alert/*](http://www.csi.edu/alert/)*) as necessary. The Twin Falls campus is also equipped with an Emergency Warning “Siren” that can be heard outside of buildings across campus. In the event of a signal, students arriving on campus should leave, and others should proceed with caution to avoid the emergency area. Students are encouraged to report any emergency (medical, criminal, behavioral, etc.) that is cause for action. Do this by calling 911 regardless of which campus you are on. If you are on the Twin Falls campus, also call Campus Security at 732-6605 after placing the 911 call (the Twin Falls campus has security personnel available 24/7).*

14**. Nondiscrimination Statement**

*It is the policy of the College of Southern Idaho to comply with all federal, state and local authorities requiring nondiscrimination, including but not limited to Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990 (ADA), the Age Discrimination Act of 1975, and Executive Orders 12898 (Environmental Justice) and 13166 (Limited English Proficiency).  College of Southern Idaho is an equal opportunity employer.*

*The college does not exclude from participation in, deny the benefits of, or subject any individual to discrimination on the basis of race, color, national origin, sex, sexual orientation, gender identity, disability, income, protected veteran status, limited English proficiency, or any other status protected under applicable federal, state or local law.*

*For more information or if you believe you have been subject to discrimination on the basis of sex, sexual orientation, gender identity, or disability, or if you believe you have been subject to discrimination on any other basis, please contact the College of Southern Idaho’s Title IX, ADA, and 504 Coordinator: Eric Nielson--Director of Human Resources, (208) 732-6267 Or Nolan Goubeaux- Associate Dean of Student Affairs, (208) 732-6225.*

15. **Academic Integrity Statement**

*The College values its mission as an educational institution.  CSI students, faculty, staff, and administration are expected to be honest in all aspects of their college education and employment. All student work is evaluated with the assumption that the work presented is the individual’s own. All work submitted is to be a representation of an individual’s own ideas, concepts, and understanding. Anything less is unacceptable and is subject to disciplinary action as outlined in the Student and Faculty Handbooks.  Please see the Academic Integrity Website for more information.*

16. **Topical Outline for the Course:**

**COURSE OUTLINE WITH ASSIGNMENTS AND EXAMS**

**THIS SYLLABUS IS TENTATIVE AND IS SUBJECT TO CHANGE**

## CONTENT

Course Readiness and Diagnostic

Chapter 1: The Real Number System

Chapter 2: Rules of Exponents

Chapter 3: Linear Equations and Inequalities in One Variable

Chapter 4: Linear Equations in Two Variables and Functions

Chapter 5: Solving Systems of Linear Equations

Chapter 6: Polynomials

Chapter 7: Factoring Polynomials

Chapter 8: Rational Expressions

Chapter 10: Radicals and Rational Exponents

Chapter 11: Quadratic Equations

Chapter 12: Functions and Their Graphs

Chapter 13: Exponential and Logarithmic Functions