**Math 023**

**Mathematics for College Readiness**

**4 Credits**

**Fall 2015**

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**Course Description:**

This course is designed to prepare the student for Math in Modern Society, Math 123. It covers arithmetic operations on integers and rational numbers, simplifying variable expressions, solving linear equations, applications of linear equations, order of operations, exponents, scientific notation, radicals, ratios, percentages, polynomials, factoring, linear functions, graphing, and general applications.

**Pre-requisites:** COMPASS Prealgebra score of 17 or higher.

**Required Textbooks and Supplies:**

1. **Textbook:** *Mathematics for College Readiness*, Custom Edition for College of Southern Idaho, 3rd Edition, by Aufmann and Lockwood, Cengage Learning, 2015.
2. **WebAssign:** A WebAssign access code can be bought with the book in the campus bookstore or purchased online.
3. **Calculator:** A scientific calculator is highly recommended. The TI-30X is appropriate.Likewise, calculators on smartphones are not allowed on tests.

**Course Objectives:**

Students will demonstrate a working knowledge of the following processes and concepts:

1. **Whole numbers** (rounding, writing in expanded form, prime factorization)
2. **Integers** (adding, subtracting, multiplying dividing)
3. **Rational Numbers** (GCF, LCM, adding, subtracting, multiplying, dividing, converting between fractions and decimals)
4. **Variable Expressions** (evaluating, combining like terms, using the distributive property)
5. **Solving Linear Equations** (general first-order linear equations, mixture problems, uniform motion problems)
6. **Proportion and Percent** (ratios, writing percents as decimals or fractions, use the basic percent equation, simple interest, percent increase and decrease, markup and discount)
7. **Polynomials** (adding, subtracting, multiplying)
8. **Integer Exponents and Scientific Notation**
9. **Factoring** (GCF, trinomials)
10. **Linear Equations in Two Variables** (rectangular coordinate system, graphing points, *x*- and *y*-intercepts, slope, applications)
11. **Functions** (function notation, linear functions)
12. **Sets** (roster method, set-builder notation, interval notation, unions, intersections)
13. **Radical Expressions** (simplifying, adding, subtracting, multiplying, dividing radical expressions with numeric values)
14. **Measurements** (metric system, conversions)

**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.
9. **Nondiscrimination Policy**

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.

1. **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.

1. **Disability Statement:**

*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 at* *mdeboard@csi.edu**.*

**Outcomes Assessment:**

All students will be required to complete a final that will measure the student’s knowledge of the material that was covered throughout the course. The students will be able to analyze real-world questions and mathematically structure strategies to model the questions. The students will be able to correctly provide solutions to the models of the questions. The students will be able to communicate the solutions to the questions when analyzed and solved mathematically.

**On-line course evaluation statement:**

*To help instructors continually improve courses, students are strongly encouraged to go online to* [*http://evaluation.csi.edu*](http://evaluation.csi.edu/) *and complete anonymous evaluations which open two weeks before the end of the course and close the last day of class.  When students enter the site, they find evaluations for their enrolled courses. Thank you for this valuable input!*

**Grading Practices:**

1. **Tests:** Students will take approximately six 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.
3. **Homework:** Homework will be assigned daily. Homework will be completed through WebAssign. At the end of the semester, your homework total will be used to compute your homework percentage. Homework will be worth 100 points, and will be equal to your percentage.
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

**Help Opportunities**

The student is strongly encouraged to attend and ask questions during class. The Math Lab is in room 202 in the Shields Building, or a tutor is available through the Learning Assistance Coordinator (Kat Powell) in the ADC at 732-6548. The Learning Assistance Center, <http://www.csi.edu/ip/adc/lap/index.htm>, provides drop-in tutoring and other aids for students. Math help is also available in GRM 215. The DVD that comes with the book is an extremely valuable tool to use as well.

 The Testing Center is located in GRM room 230 and is open from 8:00 a.m.-9:30 p.m. Monday through Friday and Saturday from 8 a.m.-1 p.m. They do not give any tests less than an hour before closing. Your CSI Student ID will be required to take any test in any of the Testing Centers.

***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.*

**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.*

**Students are responsible for anything discussed in class, whether they are present or not. This includes test dates!**

**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/>) 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 calling CSI Campus Security at 732-6605 after placing the 911 call (the Twin Falls campus has security personnel available 24/7).

**Keys for success in MATH 023:**

1. Be in class every day.
2. Be alert and take notes in class every day.
3. Do the homework and turn it in on time.
4. ASK QUESTIONS in class.
5. Take advantage of ALL of the opportunities for help that are available.
6. Work in small groups outside of class.
7. Set aside time each day to do the homework.
8. **DON’T QUIT!**

**How to Access & Do Homework on Web Assign**

Accessing WebAssign for the 1st Time:

1. Go to www.webassign.net
2. Click on “I Have a Class Key”
3. Enter our class key:
4. Follow the instructions to set up your username and password. You will need to have the Web Assign access key that you purchased with your textbook, or purchase one online.

To Do Homework on WebAssign:

1. Go to www.webassign.net
2. Enter your username, institution, and password.
3. Click on “My Assignments” at the top.
4. Click on the section that you want to work on.
5. Work on the assigned problems. You can submit questions one or more at time, or save your work and come back to it.
6. You can click on any of the helps: Read It, Watch It, etc. if you need help with the problem.
7. You cannot submit any homework problems after the assigned due date.
8. After the due date, you can go back and review past assignments to see the worked out solution to any problems you may have missed.