Syllabus

# Course Information

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| --- | --- |
| Course Title | Math in Modern Society |
| Course No. & Section | Math 123; Math 123A  |
| Semester & Year | Spring 2019 | Credit Hours | 3.0 |
| Course Location/Delivery | Jerome Center; Shields Bldg. |
| Office Hours | TBA |
|  | This course does not use Canvas or MYMATH Lab. Book is required. |

# Instructor Information

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| --- | --- |
| Instructor Name | Jim Dawson |
| Office Address | Shields 206D |
| Office Phone | 208-732-6537 |
| Email Address | jdawson@csi.edu |
| Communication Advice | Email is the best way to contact me for questions. I will answer all emails within 48 hours Monday-Friday. If you post a question after 5:00 p.m. on Friday, I may not answer it until Monday (unless otherwise indicated). |

# Textbook and Required/Optional Materials

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| --- | --- |
| Required Text – Title | Thinking Mathematically |
| Author of Text | Robert Blitzer |
| Edition | 7th |
| ISBN No. |  |
| Required Materials | Book |
| Optional Materials |  |

# Student Learning

## Catalog Description

 This survey course provides an opportunity to acquire an appreciation of the nature of mathematics and its relation to other aspects of our culture. The course is rigorous but not rigid and applies mathematics to real-world problems.

**Prerequisite:** MATH 023 with a grade of “C” or better **or**

Math Placement Test

(Current placement test score is ALEX PPL 30-45 range; or ACT 20-22 range; or SAT taken before March 2016 of 460-520 range; or SAT taken after March 2016 of 480-520 range; or combination of 3.0-4.0 GPA and ACT or SAT score)

(Past placement test score is COMPASS Algebra of 46 or higher)

## Program Learning Outcomes

Upon completion of this program, students will be able to …*.*

1. Read, interpret, and communicate mathematical concepts.
2. Represent and interpret information and data.
3. Select, execute, and explain appropriate strategies and procedures when solving mathematical problems.
4. Apply quantitative reasoning to develop viable arguments, draw conclusions, and support them.

## Course Student Learning Outcomes (SLO)

Upon completion of this course, students will be able to …

1. The student will learn and apply the principles of inductive and deductive reasoning when solving skill-based and authentic problems that apply to their lives.
2. The student will learn the fundamentals of geometry and apply that knowledge to solve real-world problems.
3. The student will learn about the real number system and apply that knowledge to solve algebraic equations, inequalities, and functions.
4. The student will learn the basics of consumer mathematics, such as sales tax, income tax, simple and compound interest and apply that knowledge to solve problems involving income tax, installment loans, amortization, and credit cards.
5. The student will learn about the English and Metric measurement systems. They will use that knowledge and dimensional analysis to change units of measurement within a system as well as to a different system. Using both systems, they will also solve authentic problems that apply to their lives.

# Grading and Evaluation

|  |  |
| --- | --- |
| **Assignments**(In and out of class activities such as writing, reading, experiments, works of art, multi-media production, case study, etc. to assist in learning skills and concepts.) | 25% |
| **Attendance and Participation** (A teaching strategy requesting students to ask questions, raise one's hand, and make comments in class, out of class, and or online.) | 25% |
| **Final Exam** (An end of course test to evaluate knowledge and skills.) | 20% |
| **Tests**Three tests will be given throughout the semester. | 30% |
|  |  |
|  |  |
|  |  |
|  |  |
| Total  | 100% |

## Grade Scale

Based on the 100% total listed above, letter grades will be assigned as follows:

|  |  |  |
| --- | --- | --- |
| A: 90 points or above | B: 80 points to 89.9 points | C: 70 points to 79.9 points |
| D: 60 points to 69.9 points | F: below 59.9 points | I: incomplete  |

# Course Expectations

Student Responsibilities for Learning (meaning, what I can expect from you?)

* Attend class regularly, arrive on time, and be ready to actively engage in the class.
* Turn in work reflecting your time, effort and understanding.
* Show respect for others and the instructor.

Faculty Responsibilities for Teaching (meaning, what you can expect from me?)

* Assess your progress regularly and respond promptly to clarify expectations.
* Show respect for all of you, and guide the class in a fair manner.
* Actively engage you in the conversation.

# Course Details

## Dropping a Course and Withdrawal

The drop period for full semester courses ends on the first Sunday following the beginning of the term. A dropped course is not reflected on the student’s transcript. The withdrawal period then begins and lasts through 75% of the course. Withdrawal means the student attempted the course but did not complete any credit; the grade of W will appear on the student’s transcript.  Students are responsible for all tuition and fees associated with withdrawn courses.  No course may be withdrawn from after 75% of the course has elapsed. Students will be issued a grade after this deadline. Drop and Withdraw deadlines for non-standard courses can be found on the student’s schedule in MyCSI.

In order to withdraw from one or more courses, a completed Add/Drop/Withdraw form is required, which can be found in MyCSI or at the Office of the Registrar. Students withdrawing from all credited courses must receive a Financial Aid signature prior to submitting the form to the Office of the Registrar or any off-campus center.

## W grades can have a number of negative consequences, including negatively impacting students’ eligibility for Federal Financial Aid. Ws on transcripts can also raise questions by transfer institutions and even prospective employers. Students should carefully consider the consequences of Ws before withdrawing from courses.

## Attendance Verification for Financial Aid

Attendance Verification is submitted each semester. Your Federal Student Aid is based on your academic attendance and participation in an academically-related activity, see [csi.edu/financialAid](http://www.csi.edu/financialAid/).

Distance Learning and Testing (Online Courses Only)

This online course requires students to take proctored exams in a face-to-face setting.  Free proctored testing is available at the CSI Testing Center as well as at CSI’s off-campus centers in Gooding, Hailey, Jerome, and Burley.  Further, free proctored testing is available at North Idaho College, College of Western Idaho, and College of Eastern Idaho. Students who live outside of these areas will be required to take exams in proctored environments.  In some cases, testing centers charge a fee for their services.  Students are responsible to pay these testing fees.  Students are encouraged to research proctored testing options at the beginning of the course to determine the potential cost of these services.

# Course Calendar\*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Week | Date | Topic | Instructional Activities | SLO Number Supported | Assignment Due DatesExam Dates |
| 1 |  | Application Problems and Strategies | 1.1,1.3 | 1-5  | TBA |
| 2 |  | Number Theory | 5.1 |  |  |
| 3 |  | Integers | 5.2 |  |  |
| 4 |  | Rational Numbers | 5.3 |  |  |
| 5 |  | Irrational Numbers | 5.4 |  |  |
| 6 |  | Exponents | 5.6 |  |  |
| 7 |  | Solving Equations | 6.2 |  |  |
| 8 |  | Solving Equations | 6.5 |  |  |
| 9 |  | Graphing | 7.1 |  |  |
| 10 |  | Graphing | 7.2-7.3 |  |  |
| 11 |  | Percent  | 8.1 |  |  |
| 12 |  | Simple Interest | 8.3 |  |  |
| 13 |  | Writing Assignment | 8.4, 8.6-8.8 |  |  |
| 14 |  | Measurement | 9.1-9.3 |  |  |
| 15 |  | Geometry | 10.4-10.6 |  |  |
| 16 |  | Stats | 12.2, 12.3 |  |  |
| Date and Time of Final Exam |

*\*Due to unforeseen events, it may be necessary for the course calendar to be altered.*

# Shared Values

The mission of the College of Southern Idaho is to provide quality educational, social, cultural, economic, and workforce development opportunities that meet the diverse needs of the communities we serve.

To accomplish these goals we believe in

1. **Communication.** Email is our primary source of written communication about all things CSI. Your official CSI email is Eaglemail. Visit [corvus.csi.edu](https://corvus.csi.edu/) to activate your email account, to check your email, and to begin conversations with the faculty and staff at CSI.
2. **Community.** We believe in community building in and out of the classroom. You are encouraged to cultivate partnerships that also develop your social and personal transformation. To see current news and events, visit [csi.edu/calendar](http://www.csi.edu/calendar/).
3. **Equal Access.** We value diversity and inclusion. We are committed to a climate of mutual respect and full participation. If you have a disability that may have some impact on your work in this class, please contact the Office of Disability Services to discuss options, visit [csi.edu/disabilities](http://www.csi.edu/Disabilities/).
4. **Integrity.** We value honesty. 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 understanding that the work presented is the individual’s own ideas, concepts and understanding. Please see the Student Code of Conduct at [csi.edu/StudentHandbook](http://www.csi.edu/studentHandbook/) and the Academic Integrity page [csi.edu/StudentHandbook/AcademicIntegrity.asp](http://www.csi.edu/studentHandbook/academicIntegrity.asp).
5. **Inclusiveness.** 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. If you have concerns, visit [csi.edu/TitleIX](http://www.csi.edu/TitleIX/) for more information.
6. **Safety.** We are committed to providing safe campuses for all students. As a CSI student, staff, or faculty member you are automatically subscribed to the emergency notification system, RAVE [csi.edu/security/rave-alert.asp](http://www.csi.edu/security/rave-alert.asp). Please report any emergency (medical, criminal, behavioral, etc.) by first calling 911 regardless of which campus you are on. If you are on the Twin Falls campus, also call Campus Security at 208-732-6605, [csi.edu/security](http://www.csi.edu/security/).
7. **Student Success.** We are dedicated to your success! Not only can you seek assistance from your professors, but you can also investigate the over 50 dedicated CSI resources and services to support your lifelong goals. You can benefit from services such as the Learning Assistance Center, Career and Counseling Services, or Child Care. People and resources at the CSI Library can assist you with expert guidance, see [csi.ent.sirsi.net](https://csi.ent.sirsi.net/). You can get involved in activities designed to complement your studies and build your resume through the Office of Student Activities. For a complete list of resources and services, visit [csi.edu/currentstudents/#services](http://www.csi.edu/currentstudents/#services).