



Fall 2015-2016

Math/College Algebra

Math 143

(3 credits) Section TBD

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Students and Instructors are accountable for all information on the Course Syllabus, as well as the Institutional Syllabus Addendum, which is located on the Blackboard Site for this course. For further information regarding Library resources, accommodations, and more, please refer to the addendum on Bb.

Instructor Availability

- The course is held on the Columbia High School Campus Room A160.
- Preferred email: nanderson@nsd131.org
- availability by appointment

Course Description

This course includes fundamental concepts of algebra; equations and inequalities; functions and graphs; polynomial, rational, exponential, and logarithmic functions; systems of equations and inequalities; conics; the Binomial Theorem. Credit hours are not granted in both MATH 143 and MATH 147. PREREQ: MATH 108 with a minimum grade of C or equivalent placement score.

. (This CWI course meets Idaho State Board GEM competency requirements in GEM 3 – Mathematical Ways of Knowing.)

General Education Competency Area (This section is required for General Education Courses)

This course fulfills the Idaho State General Education competency area of General Education core class, and meets the following core objectives:

Academic Affairs Objectives:

This section is required for all classes. Please check appropriate boxes for your course, as outlined by your department:

- ✓ **Learn to Learn.** Students learn that as important as content knowledge is, shaping one's future requires the development of skill in discerning, applying, analyzing, synthesizing and evaluating knowledge in diverse contexts. The educational experience at CWI prepares students for a world in which they are likely to change occupations and face unpredictable life events. We strive to develop courses and learning experiences that give students the tools to confidently thrive in a complex, information-saturated, diverse, and dynamic world. [Fulfilled by Student Learning Outcome D.]
- ✓ **Make Connections.** Students learn success in today's interconnected world requires deliberate engagement and comfort with multiple perspectives, cultures, and contexts. In navigating difference and diversity in the natural and social worlds, students connect ideas, forms of knowledge, and practices to create a richer understanding of themselves as personally and socially responsible citizens. [Fulfilled by Student Learning Outcomes B, C, and D.]
- ✓ **Solve Problems.** Students identify problems, analyze and implement solutions, and interpret and reflect on outcomes to develop skills to individually and collaboratively face challenges and create opportunities. . [Fulfilled by Student Learning Outcomes A, B, C, D, and E.]

Course Schedule

This section is required. At a minimum, this section must include*

- The course meets during the block of time pre-assigned.
- The course runs for Fall Semester 2015-2016
- A160

Course Objectives and Outcomes

The educational objectives of this course are to:

- A. Provide students with the mathematical foundation necessary for future mathematics courses such as Trigonometry, Math for Elementary Teachers I, Brief Calculus, and Elementary Statistics.
- B. Provide students with the mathematical foundation necessary to be able to learn new concepts helpful to them as employees, citizens, and consumers.

Student Learning Outcomes

- A. Solve Equations and Inequalities
- B. Analyze and Represent Graphs
- C. Use and Understand Functions
- D. Apply Content
- E. Represent Conic Sections Both Graphically and Algebraically

Outcomes Assessment

Course Outcomes	Methods for Assessment (Course Outcome Assessment)
Solve Equations. The student will be able to solve various types of equations, including linear, quadratic, polynomial, rational, radical, absolute value, exponential and logarithmic equations; and solve systems of equations.	Final Exam – Questions #1 – 4 To achieve the standard, the student must answer 3 out of 4 questions correctly. 75%
Solve Inequalities. The student will be able to solve various types of inequalities, including linear, compound, absolute value, quadratic, and rational inequalities; and solve systems of inequalities.	Final Exam – Questions #5 – 8 To achieve the standard, the student must answer 3 out of 4 questions correctly. 75%
Graphing. The student will be able to graph various types of equations & functions, including linear, quadratic, polynomial, rational, exponential and logarithmic functions; and graph conic sections.	Final Exam – Questions #9 - 12 To achieve the standard, the student must answer 3 out of 4 questions correctly. 75%
Functions. The student will be able to understand and work with functions; concepts will include defining the domain and range, evaluating a function, working with composite functions, finding inverse functions, finding the zeros of a function, and finding the difference quotient.	Final Exam – Questions #13 - 16 To achieve the standard, the student must answer 3 out of 4 questions correctly. 75%
Apply Content. The student will be able to model data and solve application problems relating to real world problems.	Final Exam – Questions #17 - 20 To achieve the standard, the student must answer 3 out of 4 questions correctly. 75%

Grading Policy

The overall course grade will be based on the following:

- Assignments: 10%
- Quizzes: 30%
- Tests (5) lowest dropped: 40%
- Final Exam**: 20%

**A Final Exam score of at least 60% is required in order to earn an overall grade of C or better.

- Grades will be assigned on the following scale:

A: 90-100%, B: 80-89% C: 70-79% D: 60-69% F: Below 60%

Textbooks and Required Materials

Text: Stewart, James. *Precalculus: Mathematics for Calculus* 4th ed. Pacific Grove, CA: Brooks/Cole, 2002. ISBN number 0-534-38541-9

Students are strongly encouraged to take notes. A three-ring binder with divisions for notes, homework, and handouts is strongly suggested.

The use of a graphing calculator is necessary for this course. If you do not have a graphing calculator, a TI-84 will be provided for your use in the classroom only.

Methods of Delivery

The content for this course will be delivered in several ways, including classroom lecture, class discussion/participation, homework, chapter quizzes with two attempts allowed, homework from the textbook.

Course Calendar

They are referred to as a topic outline. **It is your responsibility** to print or keep track of all assignments and due dates as stated on the topic outline.

Course Expectations

- A. Reading: Students are expected to read textbook (or e-text) in order to gain deeper understanding of material
- B. Writing: Students are expected to be able to show an appropriate amount of work as they complete their assignments.
- C. Communication: Students are expected to effectively communicate their needs for mathematical assistance in order to be able to utilize their instructor as a resource outside of a face-to-face environment. Students can read, write, and understand statements using mathematical vocabulary.
- D. Time Management: Students are expected to manage their time being mindful about the pace at which they work both in and outside of the classroom environment
- E. Technology: Student are expected to be aware of their options with regards to access to the internet

DUE DATES, EXAM DATES, and MISSED WORK:

Quizzes, homework, labs, tests, and any other assignments will be announced in class.

- Hard-Copy Assignments will be due at the beginning of the class. No late work will be accepted after 2 days from the assignment. Tests and quizzes must be made up within 2 class periods.
- It is your responsibility to keep copies of the graded material until the end of the semester. It is also your responsibility to confirm your scores with Power School.

The average student can expect to spend at least 10-15 hours per week, outside of class, studying materials and doing weekly homework and quizzes. If you struggle with a concept you may need to increase the amount of time spent on the coursework., you may expect to spend about 20 hours each week on study and homework.

End of Course Electronic Evaluations

To help instructors continually improve courses, students will complete anonymous online evaluations for each course. Students will be notified of when evaluations are available.

Computer Proficiency Expectations:

Students in this course are expected to be proficient in the following areas: MS Word, Excel. Chromebooks are available in the classroom for student needs.

Behavioral Expectations:

- Each student is expected to follow common courtesy practices towards the instructor and fellow students. Every student has the right to a respectful learning environment. In order to provide this right to all students, students must take individual responsibility to conduct themselves in a mature and appropriate manner and will be held accountable for their behavior.

- This includes:

Do's	Do Not's
Come to class on time and participate for the duration of the class. Become an asset to the learning environment and make positive contributions.	Do Not engage in unnecessary disruptions in class that might disrupt the teaching/learning environment. Please do not bring outside work into class. No Cell phones, etc.
Raise your hand if you have a question about course content and wait to be acknowledged.	Do Not interrupt speakers or other learners. (i.e. "chit-chat" or "asking your neighbor for help")
Listening actively and respectfully to others. Maintain professionalism at all times.	Do Not judge each other for opinions or experiences different than your own. Do Not whine, complain, or back-talk.
Speak graciously, respectfully, and humbly to speakers and other learners.	Do Not engage in disrespectful talk, offensive, and derogatory expressions, or crude conversations.
Take responsibility for yourself, your learning, and your problems. Make your needs known at the appropriate time.	Do Not alert the entire classroom of things that you need to take care of privately.

- Students who disrupt the class or behave inappropriately or disrespectfully, as determined by the instructor, may be asked to leave the classroom. Instructors or Student Services has the right to create a written behavioral contract with students; if a student violates a behavioral contract, they may be released from the course.

If conduct continues to be an issue, students may be referred to Student Conduct for judicial action. It is the student's responsibility to check their email to receive notification of any scheduled appointments or other urgent communications.

Any student who has witnessed or experienced a violation of the student code may contact Student Conduct at 562-2305, or email: conduct@cwidaho.cc or nanderson@nsd131.org

Academic Honesty:

All work submitted by a student must represent his or her own ideas, concepts, and current understanding.

All material found during research must be correctly documented to avoid plagiarism. Cheating or plagiarism in any form is unacceptable and violations may result in disciplinary action ranging from failure of the assignment to failure of the course. Repeated acts of academic dishonesty may have more severe institutional ramifications. The consequences for cheating in this class are listed below:

- The student will receive a failing grade for the assignment.
- All work submitted by a student must represent his/her own ideas, concepts, and current understanding. All material found during research must be correctly documented to avoid plagiarism. Cheating or plagiarism in any form is unacceptable and violations may result in disciplinary action ranging from failure of the assignment to failure of the course

Emergency Procedures

In case of emergencies requiring evacuation of the building, please leave the classroom in a quiet, yet quick, manner, and exit by the nearest outer door. For emergencies requiring a lock down, please cooperate quickly and quietly with instructions given by the instructor. This class will follow the emergency procedures dictated by Columbia High School administration.

Suggestions for Success

Pre-read the required material, keep up to date on the required materials, and participate in class discussions.



Institutional Syllabus Addendum for College of Western Idaho

This Syllabus is a contract for this class

Students are responsible not only for the syllabus content for each course in which they are enrolled, but also for the general expectations and behaviors expected of all CWI students. Please refer to the current copy of the CWI Student Handbook found at cwidaho.cc/file/student-handbook to review these guidelines.

CWI Email and Blackboard Accounts

All registered CWI students receive a college email and Blackboard account. Since every course at CWI has a Blackboard component, students are expected to access course Blackboard sites frequently. Students who wish to communicate with faculty via email should do so using their CWI accounts only. Blackboard can be accessed through CWI's home page: cwidaho.cc. Student email can be accessed through the login page at mail.live.com. Your default password for both Blackboard and email is the first letter of your first name in CAPS + first letter of your last name in CAPS + "logon" in lower-case letters + last 4 digits of your SSN; if you don't have a SSN, then use the last 4 digits of your student ID number (Ex: Jonathan Smith's password would be JSlogon1234).

One Stop Student Services Centers

CWI has created One Stop Student Services Centers to provide many of the services students need in one single location. At our One Stops, students will find Disability Services, Assessment and Testing Centers, Veteran Services, Financial Aid, forms and publications, advising, and much more. One Stop Student Services may be contacted by calling (208) 562-3000. Offices are located in the Micron Center for Professional and Technical Education, Ada County, and Canyon County centers. *(Please note: The Canyon County Center One Stop is a limited service site. Not all services mentioned above may be available.)*

Drop Policy

Students are responsible for adding and dropping courses. Beginning at the end of the first week of class through census date (the tenth day of instruction in the fall and spring semesters and the fifth day on instruction in the summer session) faculty may drop students for non-attendance. Important deadlines, including census date, are published in the official academic calendar each semester. After census date, students are responsible for dropping courses they do not intend to finish. Students who stop attending a course without filing a drop request may earn a grade of F.

Special Accommodations

Students who believe that they qualify for disability accommodations should contact a **Student Disability Services Advisor at 208-562-2447 or 208-562-2495, or One Stop Student Services Center at 208-562-3000**, as soon as possible to clarify the parameters of the requested accommodation(s) and ensure that such accommodations are made in a timely manner.

Library and Research Support

CWI Library is ready and eager to help you with research assignments. Not sure if a website is a good source? Ask them! Need a book or journal article, but don't know where to start? They've got it! From books to eBooks and online journal articles, CWI's spectacular library staff can save you time and energy, and help you succeed in your classes. Contact them by phone, email, online chat, or in person at the Nampa and Ada County Campuses. Learn more at cwidaho.cc/library.

CWI's Assessment & Testing Centers

Assessment & Testing Center provides a quiet atmosphere for many exams including: exams for online classes, COMPASS placement exams, the Computer Skills Assessment, TEAS, CLEP, GED, Pearson VUE certifications, Certipoint (MOS), ProV, and Prometric. Exams can easily be scheduled by visiting our website at cwidaho.cc/exams. Exams must be scheduled at a minimum of 24 hours prior to your preferred appointment time. Students requiring approved accommodations will need to call two days prior to their preferred appointment time. Exams cannot be scheduled until the instructors provide us with Test Proctor Request Form (TPRF). A CWI student or government identification will be required for CWI exams. . CWI Assessment & Testing Centers are located at Micron Center for Professional Technical Education 5725 East Franklin Road Nampa campus (562-2440) and at Black Eagle Center - Lynx Building 9314 W. Overland Road Ada campus (562-2542).

Tutoring Services

CWI offers free tutoring services to all currently enrolled students. Services include drop-in visits for math, sciences, writing, foreign language, professional technical programs, and more. In those visits, tutors can work with students to help them understand coursework and prepare for exams. Tutoring Services also offers tutor - led study groups and academic skill building workshops throughout the semester. Find out more at cwidaho.cc/tutoring.

Writing Center

CWI's Writing Center helps students with academic and creative writing. Writing Center consultants are careful readers and listeners. As such, they do not edit papers, but instead offer strategies for revision and help writers identify errors. Consultants help with any type of writing at any stage of the writing process, including brainstorming, drafting, revising, and polishing. All Writing Center services are free to CWI students, including on-on-one consultations, online services, and workshops. Find out more at cwidaho.cc/writing-center.

Counseling Resources

Students with life concerns are encouraged to contact student counselor, Nate Bonovitz, 562-2547 natebonovitz@cwidaho.cc Students who may be experiencing emotional distress, for whatever reason, are encouraged to explore these websites: selfrescuemanual.com and jedfoundation.org/students

End of Course Electronic Evaluations

To help CWI continually improve courses and instruction, students are asked to complete anonymous online evaluations for each course. Students will be able to access evaluations during the 13th, 14th, and 15th week of the semester by clicking the "Course Evaluation" button in Blackboard. For courses not delivered in a 16-week semester, please confer with your instructor regarding their evaluation timeline.

Family Education Rights and Privacy Act (FERPA)

All records related to this course are confidential and will not be shared with anyone, including parents, spouses, etc. without a signed privacy release form. If you wish to have information from your records shared with others, you must provide written request/authorization. To do so, call or visit a One Stop Student Services Center.

CWI Campus Security

The College of Western Idaho is committed to providing safe campuses for all students. Currently in place is the CWI ALERTS system that provides information relating to an emergency on any CWI campus. This information is delivered electronically through student email. Students can opt into voicemail and text messaging through their accounts via cwidaho.cc/info/cwi-alerts-text-voice-and-email. Registration in CWI ALERTS is automatic when students register.

Blue light emergency telephones are located at various campus locations. You should become familiar with where these emergency phones are located. These telephones have two buttons:

1. Information button that will call campus security.
2. Emergency button that will call 911.

In the event of an emergency notification, students on campus, as well as those just arriving on campus, should proceed with caution to avoid the emergency area. Students should pay close attention to the emergency information, and adhere to instructions that may be given during the alert.

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 possible, also notify Campus Security at 208-562-3333 (CWI campuses have security personnel available 24/7).

Guns on Campus (CWI campus not Columbia High School)

In an effort to provide a safe and positive environment for teaching, learning, working, and College related activities, the College of Western Idaho issues the following advisory: Possession or use of weapons, including firearms, while upon properties owned or controlled by the College or where College activities occur is prohibited except for authorized law enforcement officers and persons exempt under Idaho State law.

The College of Western Idaho, in alignment with Idaho State law and the Idaho State Board of Education Policy and Procedures, requires that firearms remain concealed at all times. Displaying a firearm on campus either intentionally or due to negligence is a violation and may result in suspension or termination from the College and prosecution under appropriate laws.

Students must be enrolled to attend class

Those who are not enrolled in a particular class may not attend class sessions.