University of Colorado Denver
Course Syllabus
(Term and year)

(Part I)

Course: (Include CU-Denver course number, credit hours, and exact course title. The high school course title *should not* appear)

Start/End Dates: (Indicate the dates of the first and last days of your class)

Days/Times: (Indicate exact class times)

Location: (Include name of high school and classroom, if known)

Instructor: (Put your complete name)

Office Hours:

Phone:

Email Address:

Academic Dishonesty: Students are required to know, understand, and comply with the CU Denver Academic Dishonesty Policy as detailed in the Catalog and on the CLAS website. Academic dishonesty consists of plagiarism, cheating, fabrication and falsification, multiple submission of the same work, misuse of academic materials, and complicity in academic dishonesty. If you are not familiar with the definitions of these offenses, go to http://www.ucdenver.edu/academics/colleges/CLAS/faculty-staff/policies/Pages/DefinitionofAcademicDishonesty.aspx. This course assumes your knowledge of these policies and definitions. Failure to adhere to them can result in possible penalties ranging from lowering a grade on an assignment to dismissal from the University; so, be informed and be careful. If this is unclear to you, ask me. The College of Liberal Arts and Sciences (CLAS) Ethics Bylaws allow the instructor to decide how to respond to an ethics violation, whether by lowering the assignment grade, lowering the course grade, and/or filing charges against the student with the Academic Ethics Committee.

Student Code of Conduct: As members of the University community, students are expected to uphold university standards, which include abiding by state civil and criminal laws and all University policies and standards of conduct. These standards are outlined in the student code of conduct which can be found at: http://thunder1.cudenver.edu/studentlife/studentlife/introduction.html

(Part II)

Required Textbooks/Calculators:
(List by author, title, edition, publisher or model of calculator)

Optional Textbooks/Calculators:
(if applicable)

(Part III)

Course Description:

Course Descriptions for the most frequently offered 2013-2014 CU Succeed courses are listed at the back of this document. Please copy and paste the appropriate course description into your syllabus. For other courses or course descriptions for subsequent semesters please visit the following link. Click on Course Descriptions in the left column, then click on your course. Copy and paste the course description into your syllabus.

http://www.ucdenver.edu/academics/colleges/CLAS/Departments/math/program_info/courseinfo/Pages/courseinfo.aspx

Learning Outcomes: (Indicate what students can expect to learn and what they should be able to do upon successful completion of the course.) For example:

1. Students will demonstrate the ability to use symbolic, graphical, numerical and written representations of mathematical ideas.
2. Students will read, write, listen to and speak mathematics with understanding.
3. Students will use a combination of critical thinking skills and mathematical reasoning to solve problems.
4. Students will use mathematics to model real-world situations.
5. Students will use appropriate technology to enhance their mathematical thinking and understanding, solve mathematical problems and judge the reasonableness of their results.

(Part IV)

Evaluation/Grading Procedures

This section should detail exactly how the final grade in the course will be determined. It should be specific enough so that students can compute their grade at any point in the semester, and it should include the scale you will use in grading. Include a statement about attendance and how it figures into the final grade. Note: the math departments policy is that attendance may not count for more than 10% of the grade.

Be clear about the types of assignments, tests, quizzes, papers students will have and how each will figure into their grade. Math Department Example :

Graded assignments (lowest two scores dropped)	25%
2 Projects (10% each)	20%
2 Midterm Exams (15% each)	30%
Final exam	25%

Grading Scale:

A 90.0 – 100%
B 80.0 – 89.9%
C 70.0 – 79.9%
D 60.0 – 69.9%
F below 60.0%

OR

A 92.0 – 100% A- 90.0 – 91.9%
B+ 88.0 – 89.9% B 82.0 – 87.9% B- 80.0 – 81.9%
C+ 78.0 – 79.9% C 70.0 – 77.9%
D 60.0 – 69.9%
F below 60.0%

A cumulative final exam is mandatory for each math course and should count for approximately 20% - 30% of the grade. All students must take the final exam. Opting out of the final exam for any reason is not allowed and should result in a score of zero on the final exam. Please include the following two statements concerning the final exam and incompletes in your math syllabus:

> **CU Succeed Final Exam: The final exam is mandatory. Not taking the final exam will result in a score of zero on the exam. Having the final rescheduled is extremely rare and is not permitted for reasons such as a plane ticket that was purchased earlier or attendance at weddings.**
>
> The incomplete policy of the math department at UC Denver is strictly enforced. Incompletes are given only in situations in which a student has: **(1)** Successfully completed 75 percent of the course (i.e is passing the course)**(2)** Special circumstances (verification may be required) that preclude the student from attending class and completing graded assignments, and **(3)** Made arrangements to complete missing assignments with the original instructor. A CLAS Course Completion agreement is required.

(Part V)

Topics/Schedule of Activities

This section should contain a detailed list of the topics that will be covered in the course and/or a schedule (calendar) of topics, activities, assignments, tests, etc. for the course term.

Topics covered in any math course must include all of the topics for that course found at:
http://math.ucdenver.edu/academic/syllabi/topical_syllabi/

(Part VI)

Special Notes: (Optional: Include here other information, policies, or procedures that pertain to your course.)

Course Descriptions from 2013-2014 CU Denver Catalog

MATH 1070 - Algebra for Social Sciences and Business

Topics in algebra designed for students who intend to take business calculus. Functions, graphs, scatter plots, curve-fitting, solving systems of equations, polynomial and rational functions, and selected other topics. Note: Graphics calculator required. No co-credit with MATH 1110 or MATH 1130. Prereq: intermediate algebra and satisfactory score on the placement exam. **Semester Hours:** 3 to 3

MATH 1080 - Polynomial Calculus

A one-semester course in single-variable calculus. Topics include limits, derivatives, differentiation rules, integration and integration rules. Emphasis is on applications to business and social sciences. Note: No knowledge of trigonometry is required. Semester Hours: 3 to 3

MATH 1110 - College Algebra

Topics in algebra designed for students who intend to take the calculus sequence. Functions, domains, ranges, graphs, data scatter plots and curve fitting, solving equations and systems of equations, polynomial functions, rational functions, and selected other topics. Graphic calculators and/or computer algebra systems are used extensively. Applications are emphasized. Note: No co-credit with either MATH 1070 or 1130. Prereq: intermediate algebra. Semester Hours: 3 to 3

MATH 1120 - College Trigonometry

Topics in trigonometry, analytic geometry, and elementary functions designed for students who intend to take the calculus sequence. Angles and trigonometry functions of acute angles, analytic trigonometry, fundamental trigonometric functions and identities including hyperbolic trigonometry, parametric equations, and polar coordinate system. Graphic calculators and/or computer algebra systems are used extensively. Applications are emphasized. Prereq: MATH 1110. No joint credit with MATH 1130. Semester Hours: 3 to 3

MATH 1130 - Precalculus Mathematics

Condensed treatment of the topics of College Algebra (Math 1110) and College Trigonometry (Math 1120). Prereq: satisfactory score on the placement exam. No co-credit with MATH 1070, 1110 or 1120. Semester Hours: 4 to 4

MATH 1401 - Calculus I

First course of a three-semester sequence (MATH 1401, 2411, 2421) in calculus. Topics covered include limits, derivatives, applications of derivatives, and the definite integral. Note: No co-credit with MATH 1080. Prereq: MATH 1120 or 1130 and satisfactory score on the placement exam. Semester Hours: 4 to 4

MATH 2411 - Calculus II

The second of a three-semester sequence (MATH 1401, 2411, 2421) in calculus. Topics covered include exponential, logarithmic, and trigonometric functions, techniques of integration, indeterminate forms, improper integrals and infinite series. Prereq: MATH 1401. Semester Hours: 4 to 4

MATH 2421 - Calculus III

The third of a three-semester sequence in Calculus (MATH 1401, 2411 and 2421). Topics include vectors, vector-valued functions, partial differentiation, differentiation, multiple integration, and vector calculus. Prereq: MATH 2411. **Semester Hours:** 4 to 4

MATH 2830 - Introductory Statistics

Basic statistical concepts, summarizing data, probability concepts, distributions, confidence intervals, hypothesis testing. Prereq: intermediate algebra. Semester Hours: 3 to 3