

Department of Mathematical and Statistical Sciences, University of Colorado Denver
Spring 2025 Textbook Information - Version: 11/12/2024

This information is unofficial and provided by the Department on a "best effort" basis. The instructor/syllabus is the ultimate authority.

COURSE #	SECTION	TITLE	RESOURCE	Author	Edition	ISBN	REQUIRED OR OPTIONAL?	OER or low cost material (less than \$20)?	Required Purchase of Online Homework System?	Notes
1010	All sections	Math For Liberal Arts	Using & Understanding Mathematics: A Quantitative Reasoning Approach "Books a la carte edition plus mylab math -- access card package"	Bennett and Briggs	8th	9780137575183	Hard copy optional, MyLab required (etext included)	No	MyLab	MyLab includes eBook. To register to MyLab, you will need a course code. The course code will be given by your instructor at the start of the semester
1011	All sections	Math Liberal Arts Workshop	N/A							
1060	All sections	Finite Mathematics	Finite Mathematics for Business, Economics, Life Sciences, and Social Sciences "books a la carte and mylab math with pearson etext -- title-specific access card package"	Barnett, Ziegler, Byleen and Stocker	14th	9780134862576	Hard copy optional, MyLab required (etext included)	No	MyLab	MyLab includes eBook. To register to MyLab, you will need a course code. The course code will be given by your instructor at the start of the semester
1108	All sections	Stretch College Algebra - I	Algebra and Trigonometry Enhanced with Graphing Utilities MyLab Access	Sullivan & Sullivan	8th	9780135812846	Hard copy optional, MyLab required (etext included)	No	MyLab	MyLab includes eBook. To register to MyLab, you will need a course code. The course code will be given by your instructor at the start of the semester
1109	All sections	Stretch College Algebra - II	Algebra and Trigonometry Enhanced with Graphing Utilities MyLab Access	Sullivan & Sullivan	8th	9780135812846	Hard copy optional, MyLab required (etext included)	No	MyLab	MyLab includes eBook. To register to MyLab, you will need a course code. The course code will be given by your instructor at the start of the semester
1110	All sections	College Algebra	Algebra and Trigonometry Enhanced with Graphing Utilities MyLab Access	Sullivan & Sullivan	8th	9780135812846	Hard copy optional, MyLab required (etext included)	No	MyLab	MyLab includes eBook. To register to MyLab, you will need a course code. The course code will be given by your instructor at the start of the semester
1110	All sections	College Algebra - Recitation	N/A							

1120	All sections	College Trigonometry	Algebra and Trigonometry Enhanced with Graphing Utilities MyLab Access	Sullivan & Sullivan	8th	9780135812846	Hard copy optional, MyLab required (etext included)	No	MyLab	MyLab includes eBook. To register to MyLab, you will need a course code. The course code will be given by your instructor at the start of the semester
1130	All sections	Precalculus Mathematics	ALEKS Account OpenStax: Precalculus 2e	Jay Abramson	2nd	978-1-951693-39-8	Both Required	No	ALEKS Account - \$82	
1376	E01	Programming for Data Science								
1401	All sections	Calculus I	Will be all OER Texts - Openstax				Required	Yes	No	
2411	All sections	Calculus II	Will be all OER Texts - Openstax				Required	Yes		
2421	All sections	Calculus III	Calculus, Multivariable (paperback optional) MyLab subscription (required, etext included, can buy on mymathlab.com)	Briggs, Cochran, and Gillett Briggs, Cochran, Gillett, and Schulz	3rd	9780134766799	Hard copy optional, MyLab required (etext included)	No	MyLab	MyLab includes eBook. To register to MyLab, you will need a course code. The course code will be given by your instructor at the start of the semester. Can choose 18-wk or 24 mymathlab month access
2830	All sections	Introductory Statistics	ALEKS Account OpenStax: Introductory Statistics 2e	Barbara Illovsy & Susan Dean	2nd	978-1-961584-32-7	Both Required	No	ALEKS Account - \$82	
2831	All sections	Intro Statistics Workshop	N/A							
3000	001	Intro to Abstract Math	OER Resources					Yes		
3191	001	Applied Linear Algebra								
3191	E01	Applied Linear Algebra								
3195	All sections	Linear Algebra Diff Equations	1. Elementary Differential Equations (Open Access textbooks), 2. Notes on Diffy Qs: Differential Equations for Engineers (Open Access textbooks) 3. Linear Algebra (Open Access textbooks)	1. Trench 2. Lebl 3. Hefferon	1. N/A 2. 6.4 3. 4th	1. N/A 2. 978-1-70623-023-6 3. 979-8362590277	All are Required	Yes	no	These are all free PDF textbooks
3200	001	Elementary Diff Equations	Exploring Differential Equations	Adam Spiegler	1st	N/A	Required	Yes	No	https://aspiegler.github.io/Exploring-Differential-Equations/
3310	001	Intro to Real Analysis I								

3376	E01	Data Wrangling Visualization	R for Data Science	Hadley Wickham Mine Çetinkaya-Rundel Garrett Golemud	2nd	978-1492097402	Required	Yes	No	
3382	002	Statistical Theory	N/A							
3939	900	Internship								
4388	E01	Machine Learning Methods	N/A							
4408	001	Applied Graph Theory	A First Course in Graph Theory	Gary Chartrand Ping Zhang						
4733	001	Partial Differential Equatns	OER Resources					Yes		https://github.com/CU-Denver-MathStats-OER/Intro-PDEs-Theory-and-Computations
4779	001	Math Clinic								
4830	E01	Applied Statistics	N/A							
4840	900	Independent Study								
4880	900	Directed Research								
5070	001	Applied Analysis	Real Mathematical Analysis	Charles C. Pugh	2nd	978-3-319-17770-0	Required	No	No	
5320	001	Statistical Inference	Statistical Inference	Casella and Berger	2nd	9781032593036	Required	No	No	Lower Cost Editions available through various sources
5388	E01	Machine Learning Methods	N/A							
5733	001	Partial Differential Equatns	OER Resources					Yes	No	https://github.com/CU-Denver-MathStats-OER/Intro-PDEs-Theory-and-Computations
5779	001	Math Clinic								
5830	E01	Applied Statistics	N/A							
5840	900	Independent Study								
5939	900	Internship								
5950	900	Master's Thesis								

5960	900	Master's Project								
6330	H01	Statistical Consulting	N/A							
6404	001	Applied Graph Theory	Combinatorial Mathematics	Douglas B. West	1st	9781107058583	Required	No	No	https://www.cambridge.org/us/universitypress/subjects/mathematics/discrete-mathematics-information-theory-and-coding/combinatorial-mathematics?format=HB&isbn=9781107058583
6840	900	Independent Study								
7393	001	Bayesian Statistics	Bayesian Data Analysis, 3rd edition	Gelman et al.	3rd	9781439840955	Required	Yes	No	
7594	001	Integer Programming								
7840	900	Independent Study								
7921	900	Readings in Mathematics								
7922	900	Rdgs: math Fndts-Cmptr Sc								
7923	900	Readngs: Discrete Mathematics								
7924	900	Rdgs:Comp Mathematics								
7925	900	Readings: Optimization								
7926	900	Readings: Applied Probability/Statistics								
7927	900	Rdgs: Comp/Math Biology								
8990	900	Doctoral Dissertation								
5310	001	Introduction to Real Analysis I								