

**Department of Mathematics
Spring 2024
Book List**

Course #	Course	Faculty	Text Title	Author	Publisher	ISBN
MATH:1005 0101, 0121, 0231, 0232, 0233	College Algebra	Farthing	A) Access Code: ALEKS 18-Week Access B) College Algebra Workbook (course pack)		A) McGraw-Hill	A) ISBN: 9781264245109 Required course materials will be delivered to you in your ICON course through the University of Iowa's Inclusive Access program by the first day of classes. Your IOWA student account (UBILL) will then be charged by the HawkShop for the use of the content for the course, unless you opt out. B) Available from instructor
MATH:1010 0101, 0103	Trigonometry	Bezuglyi	Trigonometry, 5th Edition	Young	Wiley	ISBN: 978EEGRP45217 Required course materials will be delivered to you in your ICON course through the University of Iowa's Inclusive Access program by the first day of classes. Your IOWA student account (UBILL) will then be charged by the HawkShop for the use of the content for the course, unless you opt out.
MATH:1020 0081, 0111	Elementary Functions	Sokratova	A) Top Hat Account License (for student clicker) B) Elementary Functions Workbook C) Access Code: ALEKS 18-Week Access		B) UI Printing C) McGraw-Hill	B) from UI Printing, available at UI Bookstore C) ISBN: 9781264245109 Required course materials will be delivered to you in your ICON course through the University of Iowa's Inclusive Access program by the first day of classes. Your IOWA student account (UBILL) will then be charged by the HawkShop for the use of the content for the course, unless you opt out.
MATH:1120 0131	Logic of Arithmetic	Zhang	Required: Mathematics for Elementary Teachers (edition: 10th) (e-text with WileyPLUS)	Musser, Peterson	Wiley	ISBN: 978EEGRP42650 Required course materials will be delivered to you in your ICON course through the University of Iowa's Inclusive Access program by the first day of classes. Your IOWA student account (UBILL) will then be charged by the HawkShop for the use of the content for the course, unless you opt out.
MATH:1140 0091	Math Basis Elem Geometry	Zhang	Mathematical Reasoning for Elementary Teachers with MyLab, 7th Edition	Long, DeTemple, & Millman	Pearson	ISBN: 9780135961988 Required course materials will be delivered to you in your ICON course through the University of Iowa's Inclusive Access program by the first day of classes. Your IOWA student account (UBILL) will then be charged by the HawkShop for the use of the content for the course, unless you opt out.
MATH:1260 0AAA	PokeMath: Math of Pokemon Go	Mitchell	Required A) Top Hat Account License (for student clicker) B) Mathematics with Applications in the Management, Natural and Social Sciences, 13th Edition (with MML)	B) Lial, Hungerford, Holcomb, and Mullins	B) Pearson	A) Clicker App B) ISBN: 9780137891597 Required course materials will be delivered to you in your ICON course through the University of Iowa's Inclusive Access program by the first day of classes. Your IOWA student account (UBILL) will then be charged by the HawkShop for the use of the content for the course, unless you opt out.
MATH:1350 0AAA, 0BBB	Quantitative Reasoning for Business	Bezuglyi	Required: A) Top Hat Account License (for student clicker) B) MyLab Math with Pearson eText 18 Week for Mathematics with Applications in the Management, Natural & Social Sciences, 13th Edition	B) Lial, Hungerford, Holcomb, & Mullins	B) Pearson	A) Clicker App B) ISBN: 9780137891597 Required course materials will be delivered to you in your ICON course through the University of Iowa's Inclusive Access program by the first day of classes. Your IOWA student account (UBILL) will then be charged by the HawkShop for the use of the content for the course, unless you opt out.
MATH:1440 0AAA	Mathematics for the Biological Sciences	Farthing	Required: A) Top Hat Account License (for student Clicker) B) MyLab Math with PreCalculus, 7th Edition	B) Lial, Hornsby, Schneider, Daniels	B) Pearson	A) Clicker App B) ISBN: 9780135925782 Required course materials will be delivered to you in your ICON course through the University of Iowa's Inclusive Access program by the first day of classes. Your IOWA student account (UBILL) will then be charged by the HawkShop for the use of the content for the course, unless you opt out.

MATH:1460 000A	Calculus for the Biological Sciences	Fang	A) Top Hat Account License (for student Clicker) B) MyLab Math Canvas with Pearson eText Calculus for the Life Sciences, 2nd edition	B) Greenwell, Ritchey, Lial	B) Pearson	ISBN: 9780321963857 Required course materials will be delivered to you in your ICON course through the University of Iowa's Inclusive Access program by the first day of classes. Your IOWA student account (UBILL) will then be charged by the HawkShop for the use of the content for the course, unless you opt out.
MATH:1550 0AAA	Engineer Math I: Single Variable Calculus	Bezuga	Required: A) Top Hat Account License (for student Clicker) B) Thomas' Calculus Early Transcendentals, 15th Edition (with MML)	B) Hass, Heil, Weir	B) Pearson	A) Clicker App Code B) ISBN: 9780137559794 Required course materials will be delivered to you in your ICON course through the University of Iowa's Inclusive Access program by the first day of classes. Your IOWA student account (UBILL) will then be charged by the HawkShop for the use of the content for the course, unless you opt out.
MATH:1560 000A, 000B	Engineer Math II: Multivariable Calculus	Sokratova	Advanced Calculus using Mathematica: .nb Edition by Keith Stroyan, Wolfram Research. Available from the Wolfram Store for \$49.99 **NOTE: The week before classes, registered students will receive an email explaining how to obtain Student Mathematica FREE through the University site license. After they have Student Mathematica, they will receive instructions in class on how to buy and install the eBook at https://store.wolfram.com/view/book/advancedcalc.str The eBook is also available free in the computer labs, but the free version cannot be copied on student-owned machines. More information can be found at http://homepage.math.uiowa.edu/~stroyan/AdvCalcWebsite/AdvCalcHomeWeb.html	Stroyan	Wolfram Research Inc	ISBN: 097877638 NOTE: The week before classes, registered students will receive an email explaining how to obtain Student Mathematica FREE through the University site license. Downloading Mathematica is REQUIRED. • After they have Student Mathematica, they will receive instructions in class on how to buy and install the eBook at https://store.wolfram.com/view/book/advancedcalc.str • More information can be found at http://homepage.math.uiowa.edu/~stroyan/AdvCalcWebsite/AdvCalcHomeWeb.html
MATH:1850 0431, 0BBB, 0CCC	Calculus I	Buchanan, Jordan, Zhang	Single Variable Calculus, Early Transcendentals, 9th Edition	Stewart	Cengage	ISBN: 9780357022269 NOTE: The Inclusive Access program will be used to provide required course materials via your ICON course site. Specific opt out information will be provided in the course syllabus and in the opt out tool.
MATH:1860 0431, 0432, 0433, 0FFF	Calculus II	Farajzadeh Tehrani, Zhang	Single Variable Calculus, Early Transcendentals, 9th Edition	Stewart	Cengage	ISBN: 9780357022269 NOTE: The Inclusive Access program will be used to provide required course materials via your ICON course site. Specific opt out information will be provided in the course syllabus and in the opt out tool.
MATH:2150 0001	Foundations of Geometry	Cooper	Required - Buy EITHER A or B [only one] A) Hardcover: Axiomatic Geometry B) eText: Axiomatic Geometry	Lee	American Mathematical Society	A) ISBN: 9780821884782 B) The AMS textbooks (print or electronic) can be purchased at https://bookstore.ams.org/amstext-21/
MATH:2550 0091, 0092, 0101, 0102, 0103, 0104, 0230, 0235, 0330	Engineer Math III: Matrix Algebra	Curtu, Zhu, Curto, Jorgensen, Kawamuro, Stewart	Linear Algebra & Its Applications, 6th Edition with MyLab Math Access Card	Lay, Lay, & McDonald	Pearson	ISBN: 9780135851203 Required course materials will be delivered to you in your ICON course through the University of Iowa's Inclusive Access program by the first day of classes. Your IOWA student account (UBILL) will then be charged by the HawkShop for the use of the content for the course, unless you opt out.
MATH:2560 0092, 0102, 0121	Engineer Math IV: Differential Equations	Camillo, Deyeso	Elementary Differential Equations & Boundary Value Problems, 12th Edition	Boyce & DiPrima	Wiley	ISBN: 978EEGRP44029 Required course materials will be delivered to you in your ICON course through the University of Iowa's Inclusive Access program by the first day of classes. Your IOWA student account (UBILL) will then be charged by the HawkShop for the use of the content for the course, unless you opt out.
MATH:2700	Introduction to	Bezueta, Camillo	A) Top Hat Account License (for student Clicker) (:0101) B) Linear Algebra & Its Applications, 6th Edition with MyLab Math	B) Lay, Lay,	B) Pearson	A) Clicker App Code B) ISBN: 9780135851203 Required course materials will be delivered to you in your ICON course through the University of Iowa's Inclusive Access program

0091, 0101, 0231	Linear Algebra		Access Card	McDonald		by the first day of classes. Your IOWA student account (UBILL) will then be charged by the HawkShop for the use of the content for the course, unless you
MATH:2850 0091, 0111	Calculus III	Durumeric	Required: eText: Vector Calculus, 5th Edition	Colley	Pearson	ISBN: 9780136800125
MATH:3550 0091, 0131	Engineer Math V: Vector Calculus	Li	Required: A) Multivariable Calculus Applications B) Calculus 3	A) Lax & Terrell B) Herman & Strang	A) Springer B) Openstax.org	A) ISBN: 9783319740737 (eBook) FREE DOWNLOAD from University of Iowa Libraries with UI credentials: link https://login.proxy.lib.uiowa.edu/login?url=https://doi.org/10.1007/978-3-319-74073-7 Go to full text available (Need UI Credentials) B) https://openstax.org/details/books/calculus-volume-3
MATH:3600 0001	Intro to Ordinary Differential Equations	Jorgensen	Elementary Differential Equations & Boundary Value Problems, 12th Edition	Boyce & DiPrima	Wiley	ISBN: 978EGRP44029 Required course materials will be delivered to you in your ICON course through the University of Iowa's Inclusive Access program by the first day of classes. Your IOWA student account (UBILL) will then be charged by the HawkShop for the use of the content for the course, unless you opt out.
MATH:3720 0AAA	Introduction to Abstract Algebra I	Darcy	Introduction to Abstract Algebra	Hill, Thron		Available for free at http://abstractalgebra.altervista.org/index.html
MATH:3770 0AAA	Fundamental Properties Spaces/Funct I	Farthing	Required: Buy EITHER A or B [only ONE] A) eText: Analysis with Intro to Proof, 5th Edition B) Loose leaf: Analysis with Intro to Proof, 5th Edition	Lay	Pearson	A) ISBN: 9780321747471 B) ISBN: 9780321892539
MATH:3800 0101, 0121	Introduction to Numerical Methods	Ayati, Jay	for :0121 Required: A) Introduction to Numerical Methods. Class Notes, Spring 2024 Recommended: B) Learning Matlab for :0101 Required: Fund of Numerical Computation	0121: A) Jay B) Driscoll 0101: Driscoll	0121: A) Course pack B) SIAM 0101: SIAM	0121: A) None B) ISBN: 9780898716832 0101: ISBN 9781611977004
MATH:3996 0IND	Individual Study & Honors in Mathematics	Staff	No Textbook Required			
MATH:3997 0IND	Readings in Mathematics	Staff	No Textbook Required			
MATH:4060 0001	Discrete Mathematical Models	Sokratova	Textbook provided on ICON	Sokratova		
MATH:4120 0EXW	History of Mathematics	Murray	Required: Buy EITHER A or B [only ONE] A) The History of Mathematics: A Brief Course, Third Edition (print) B) The History of Mathematics: A Brief Course, Third Edition (e-Book)	Cooke	Wiley	A) ISBN: 9781118217566 B) ISBN: 9781118460290
MATH:4200 0001	Complex Variables	Fang	Complex Analysis (3rd Edition)	Bak	Springer	ISBN: 9781441972873
MATH:4700 0001	Part Diff Equations & Applic	Wang	Partial Differential Equations: An Introduction	Strauss	Wiley	ISBN: 9780470054567
MATH:4750 0001	Intro to Mathematical Biology	Aminzare	No Textbook Required			
MATH:4820 0001	Optimization Techniques	Stewart	Numerical Optimization, 2nd Edition	Wright, Nocedal	Springer	ISBN: 9780387303031
MATH:5010 0001	Abstract Algebra II	Chifan	Abstract Algebra (3rd Edition)	Dummit	Wiley	ISBN: 9780471433347
MATH:5210 0001	Introduction to Analysis II	Curto	Required: Functions of One Complex Variable I (edition: 2nd)	Conway	Spinger	ISBN: 9780387903286
MATH:5410 0001	Intro to Smooth Manifolds	Farajzadeh Tehrani	Recommended: An Introductory Course on Differentiable Manifolds	Shahshahani	Aurora: Dover Modern Math Originals	ISBN: 9780486807065
MATH:5700 0001	Intro Partial Diff Equations	Wang	Partial Differential Equations in Action, From Modelling to Theory (3rd edition)	Salsa	Springer	ISBN: 9783319312378
MATH:5760 0001	Mathematical Biology II	Mitchell, Darcy	Recommended: A) An Introduction to Statistical Learning with applications in Python	A) James, Witten, Hastle, Tibshirani	A) Springer	A) ISBN: 9781071614174 Available for FREE at http://www.statlearning.com
MATH:5810 0001	Numerical Methods II	Jay	Recommended: Linear Algebra and Matrix Factorizations (1st edition)	Lyche	Springer	ISBN: 9783030364700
MATH:6010 0001	Comm Algebra and Rep Theory	Bleher	No Textbook Required			
MATH:6210 0001	Analysis II	Jorgensen	Required: Real & Complex Analysis (edition: 3rd)	Rudin	McGraw-Hill	ISBN: 9780070542341
MATH:6410 0001	Intro Differential Topology	Cooper				
MATH:6610 0001	Ordinary Differenl Equat II	Curto	No Textbook Required			
MATH:7070 0001	Seminar: Algebra	Bleher, Camillo, Iovanov, Kinser	No Textbook Required			

MATH:7090 0001	Seminar: Representation Theory	Ye	No Textbook Required			
MATH:7210 0001	Functional Analysis II	Chifan	No Textbook Required			
MATH:7290 0231	Seminar: Operator Theory	Bezuglyi, Chifan, Curto, Jorgensen	No Textbook Required			
MATH:7450 0001	Current Geom & Topology II	Kawamuro	No Textbook Required			
MATH:7470 0001	Seminar: Topology	Cooper, Darcy, Farajzadeh Tehrani, Kawamuro	No Textbook Required			
MATH:7570 0001	Seminar: Differential Geometry	Durumeric, Fang, Farajzadeh Tehrani	No Textbook Required			
MATH:7580 0001	Seminar: Mathematical Physics	Jorgensen	No Textbook Required			
MATH:7670 0001	Seminar: Mathematical Biology	Aminzare, Ayati, Curto, Darcy, Li, Mitchell, Wang	No Textbook Required			
MATH:7770 0001	Seminar: Partial Differential Equations	Li, Mitchell, Wang, Zhang	No Textbook Required			
MATH:7830 0001	Topics in Applied Mathematics	Han	No Textbook Required			
MATH:7870 0001	Seminar: Numerical Analysis	Ayati, Han, Jay, Stewart, Zhu	No Textbook Required			
MATH:7990 0IND	Reading Research	Staff	No Textbook Required			

New course for Spring 2024

Inclusive Access/Unizin

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