

| Course | Title  | Edition      | New? | Author                       | Publisher                  | Estimated Enrollments |        |        |
|--------|--|--------------|------|------------------------------|----------------------------|-----------------------|--------|--------|
|        |  |              |      |                              |                            | Fall                  | Spring | Summer |
| 111    | MyMathLab Student Access Kit (stand-alone) ISBN: 0-321-19991-X<br>(Note: This is a packet with an access code) |              | New  |                              | Addison Wesley             |                       | 60     |        |
| 137    | Reasoning about Numbers and Quantities   |              | New  | Sowder, Sowder and Nickerson | San Diego State University |                       | 80     |        |
| 138    | Mathematics for Elementary School Teachers, A Conceptual Approach  | 6th          | Same | Bennett and Nelson           | McGraw Hill                |                       | 200    |        |
| 139    | Mathematics for Elementary School Teachers, A Conceptual Approach  | 6th          | Same | Bennett and Nelson           | McGraw Hill                |                       | 70     |        |
| 139    | Mathematics for Elementary School Teachers, An Activity Approach   | 6th          | Same | Bennett and Nelson           | McGraw Hill                |                       |        |        |
| 152    | College algebra  | 8th          | Same | Gustafson and Frisk          | Brooks Cole                |                       | 270    |        |
| 152X   | College algebra  | 8th          | Same | Gustafson and Frisk          | Brooks Cole                |                       | 30     |        |
| 153    | Algebra and Trigonometry with Analytic Geometry (bundled with ILRN booklet and CD) ISBN 049508025X             | Classic 11th | Same | Swokowski and Cole           | Brooks Cole                |                       | 640    |        |
| 153X   | Algebra and Trigonometry with Analytic Geometry (bundled with ILRN booklet and CD) ISBN 049508025X             | Classic 11th | Same | Swokowski and Cole           | Brooks Cole                |                       | 45     |        |
| 154    | Algebra and Trigonometry with Analytic Geometry  | Classic 11th | New  | Swokowski and Cole           | Brooks Cole                |                       | 850    |        |
| 154X   | Algebra and Trigonometry with Analytic Geometry  | Classic 11th | New  | Swokowski and Cole           | Brooks Cole                |                       | 40     |        |
| 159    | Algebra and Trigonometry with Analytic Geometry (bundled with ILRN booklet and CD) ISBN 049508025X             | Classic 11th | Same | Swokowski and Cole           | Brooks Cole                |                       | 220    |        |
| 161    | Calculus - Early Transcendentals CUSTOM 5th EDITION - PURDUE UNIVERSITY (with iLrn), ISBN 0495-161330          | 5th          | Same | Stewart                      | Brooks Cole                |                       | 475    |        |
| 161E   | Calculus - Early Transcendentals CUSTOM 5th EDITION - PURDUE UNIVERSITY (with iLrn), ISBN 0495-161330          | 5th          | Same | Stewart                      | Brooks Cole                |                       | 40     |        |
| 162    | Calculus - Early Transcendentals CUSTOM 5th EDITION - PURDUE UNIVERSITY (with iLrn), ISBN 0495-161330          | 5th          | New  | Stewart                      | Brooks Cole                |                       | 625    |        |
| 162M   | Calculus - Early Transcendentals CUSTOM 5th EDITION - PURDUE UNIVERSITY (with iLrn) , ISBN 0495-161330         | 5th          | New  | Stewart                      | Brooks Cole                |                       | 35     |        |
| 166    | Calculus - Early Transcendentals CUSTOM 5th EDITION - PURDUE UNIVERSITY (with iLrn), ISBN 0495-161330          | 5th          | New  | Stewart                      | Brooks Cole                |                       | 700    |        |

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|        |   |         |      |                           |                          | Fall                  | Spring | Summer |
| 174    | Thomas Calculus   | 10th    | Same | Finney, Weir and Giordano | Addison Wesley           |                       | 200    |        |
| 182    | Thomas Calculus   | 10th    | Same | Finney, Weir and Giordano | Addison Wesley           |                       | 25     |        |
| 190H   | Knots and Surfaces: A Guide to Discovering Mathematics (Mathematical World, Vol. 6)             |         | New  | Farmer and Stanford       | AMS                      |                       | 20     |        |
| 220    | Brief Calculus, An Applied Approach – Special Edition for Purdue University, ISBN 0-618-69022-0 |         | Same | Larson                    | Houghton Mifflin Company |                       | 150    |        |
| 221    | Technical Calculus with Analytic Geomety  | 4th     | New  | Kuhfittig                 | Brooks Cole              |                       | 350    |        |
| 222    | Technical Calculus with Analytic Geomety  | 3th     | Same | Kuhfittig                 | Brooks Cole              |                       | 200    |        |
| 223    | Applied Calculus with Analytic Geometry   | 6th     | Same | Tan                       | Brooks Cole              |                       | 875    |        |
| 224    | Applied Calculus with Analytic Geometry   | 6th     | Same | Tan                       | Brooks Cole              |                       | 975    |        |
| 261    | Calculus - Early Transcendentals  | 4th     | Same | Stewart                   | Brooks Cole              |                       | 550    |        |
| 262    | An Introduction to Differential Equations and Linear Algebra                                    | 1999    | Same | Goode                     | Prentice Hall            |                       | 220    |        |
| 265    | Elementary Linear Algebra   | 8th     | Same | Kolman and Hill           | Prentice Hall            |                       | 475    |        |
| 265    | Linear Algebra Labs with MATLAB   | 3rd     | Same | Hill and Zitarelli        | Prentice Hall            |                       |        |        |
| 266    | Elementary Differential Equations and Boundary Value Problems (with CD)                         | 8th     | Same | Boyce and DiPrima         | Wiley                    |                       | 500    |        |
| 301    | Notes   |         | Same | Penney                    |                          |                       | 45     |        |
| 303    | Elementary Differential Equations and Boundary Value Problems                                   | 8th     | Same | Boyce and DiPrima         | Wiley                    |                       | 160    |        |
| 303    | Ordinary Differential Equations using MATLAB  | 3rd     | Same | Polking                   | Prentice Hall            |                       |        |        |
| 304    | Elementary Differential Equations and Boundary Value Problems                                   | 8th     | Same | Boyce and DiPrima         | Wiley                    |                       | 60     |        |
| 304    | Ordinary Differential Equations using MATLAB  | 3rd     | Same | Polking                   | Prentice Hall            |                       |        |        |
| 341    | Understanding Analysis  |         | Same | Abbott                    | Springer                 |                       | 60     |        |
| 351    | Linear Algebras with Applications, ISBN 0-13-145334-3   | 3rd     | Same | Otto Bretscher            | Prentice Hall            |                       | 175    |        |

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| 353    | Basic Linear Algebra   | 2nd          | Same | Blith and Robertson   | Springer                   |                       | 50     |        |
| 353    | Further Linear Algebra   | 1st          | Same | Blith and Robertson   | Springer                   |                       |        |        |
| 362    | Vector Calculus  | 5th          | Same | Marsden and Tromba  | Freeman                    |                       | 65     |        |
| 366    | Differential Equations   | 2nd          | Same | Polking, Boggess and Arnold                                       | Prentice Hall              |                       | 60     |        |
| 370    | Theory of Interest   |              | Same | Kellison  | McGraw Hill                |                       | 85     |        |
| 371    | ACTEX Study Manual for the SOA Exam P and CAS Exam 1, 2006 edition | 2006 edition | New  | Broverman   | ACTEX                      |                       | 20     |        |
| 375    | Discrete Mathematics and its Applications                          | 5th          | Same | Rosen   | McGraw Hill                |                       | 55     |        |
| 385    | Mathematical Logic: Applications and Theory                        | latest       | Same | Rubin   |                            |                       | 65     |        |
| 416    | A First Course in Probability                                      | 6th          | New  | Ross  | Prentice Hall              |                       | 10     |        |
| 416    | Introduction to Probability and Its Applications (Recommended)     | 2nd          | New  | Schaeffer   | Duxbury                    |                       |        |        |
| 425    | Complex Variables and Applications                                 | 7-th         | Same | Brown and Churchill   | McGraw Hill                |                       | 20     |        |
| 442    | The Elements of Real Analysis                                      | 2nd          | New  | R. Bartle   | Wiley                      |                       | 20     |        |
| 453    | Algebra, A Geometric Approach                                      | 1996         | New  | Shifrin   | Prentice Hall              |                       | 50     |        |
| 454    | Field Theory and its Classical Problems                            | latest       | Same | Hadlock   | MAA                        |                       | 20     |        |
| 460    | The Elements, Vol. I (Books I and II)                              |              | Same | Euclid  | Dover                      |                       | 30     |        |
| 460    | Notes  |              | Same | McClure   |                            |                       |        |        |
| 490C   | Computational Cell Biology   | 2002         | New  | C. P. Fall, E. S. Marland, J. M. Wagner, and J. J. Tyson, editors | Springer Verlag            |                       | 20     |        |
| 490C   | Non-linear Dynamics and Chaos                                      | 1994         | New  | S. H. Strogatz  | Perseus                    |                       |        |        |
| 504    | Principles to Mathematical Analysis                                | 2003         | New  | Rudin   | McGraw-Hill                |                       | 30     |        |
| 510    | Vector Calculus  | 5th          | Same | Marsden and Tromba  | Freeman                    |                       | 30     |        |
| 511    | Linear Algebra   | 4th          | Same | Strang  | Brooks Cole                |                       | 80     |        |
| 511Q   | Linear Algebra   | 4th          | Same | Strang  | Brooks Cole                |                       | 55     |        |
| 514    | Numerical Analysis - An Introduction (ISBN: 0817-638954)           |              |      | W. Gautschi   | Birkhauser                 |                       | 20     |        |
| 515    | Arbitrage Theory in Continuous Time                                |              | Same | Bjork   | Cambridge University Press |                       | 20     |        |
| 518    | Concrete Mathematics   | 2nd          | Same | Graham, Knuth and Patashnik                                       | Addison Wesley             |                       | 25     |        |
| 519    | Introduction to Probability Theory                                 |              | Same | Hoel, Port and Stone  | Houghton Mifflin           |                       | 20     |        |

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| 520    | Fourier Analysis and its Applications   | 1992               | Same | Folland                 | Brooks Cole                 |                       | 20     |        |
| 523    | Partial Differential Equations  | 1998               | New  | Evans                   | AMS                         |                       | 25     |        |
| 525    | Fundamentals of Complex Analysis for Mathematics, Sciences and Engineering  | 3rd                | Same | Saff and Snider         | Prentice Hall               |                       | 35     |        |
| 528    | Advanced Engineering Mathematics  | 8th                | Same | Kreyszig                | Wiley                       |                       | 70     |        |
| 530    | Complex Variable  | 3rd                | New  | Lars Ahlfors            | McGraw Hill                 |                       | 20     |        |
| 530    | Notes on Complex Function Theory  | 1994               | New  | Donald Sarason          | Helson Press                |                       |        |        |
| 532    | Introduction to Stochastic Processes  |                    | New  | Hoel, Port and Stone    | Waveland Press              |                       | 20     |        |
| 538    | Probability and Measure   | latest             | Same | Billingsley             | Wiley                       |                       | 20     |        |
| 544    | Real Analysis   | 3rd or most recent | New  | Royden                  | Prentice Hall               |                       | 30     |        |
| 545    | No Text Used  |                    |      |                         |                             |                       | 20     |        |
| 546    | No Text Used  |                    |      |                         |                             |                       | 20     |        |
| 553    | No Text Used  |                    |      |                         |                             |                       | 30     |        |
| 554    | Linear Algebra  | 2nd                | New  | K. Hoffman and R. Kunze | Prentice Hall               |                       | 20     |        |
| 558    | No Text Used  |                    |      |                         |                             |                       | 20     |        |
| 572    | Algebraic Topology  |                    | New  | Hatcher                 | Cambridge                   |                       | 20     |        |
| 598B   | No Text Used  |                    |      |                         |                             |                       | 15     |        |
| 598E   | No Text Used  |                    |      |                         |                             |                       | 15     |        |
| 598F   | No Text Used  |                    |      |                         |                             |                       | 15     |        |
| 598M   | Algebraic Geometry for Scientists and Engineers   |                    | New  | S. S. Abhyankar         | AMS                         |                       | 15     |        |
| 598M   | Ramification Theoretic Methods in Algebraic Geometry  |                    | New  | S. S. Abhyankar         | Princeton University Press  |                       |        |        |
| 598S   | Unstable Modules over the Steenrod Algebra and Sullivan's Fixed Point Set Conjecture, Chicago Lectures in Mathematics, ISBN 0-226-74203-2 |                    | New  | Lionel Schwartz         | University of Chicago Press |                       | 15     |        |
| 598U   | No Text Used  |                    | New  |                         |                             |                       | 15     |        |

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|        |  |                |      |                                     |                            | Fall                  | Spring | Summer |
| 611    | Foundations of Modern Analysis   |                | New  | Friedman                            | Dover                      |                       | 15     |        |
| 615    | The Mathematical Theory of Finite Element Methods                                    | 2nd            | New  | S. Brenner and L. Scott             | Springer                   |                       | 15     |        |
| 631    | An Introduction to Complex Analysis in Several Variables (Recommended)               |                | New  | Hormander                           | Van Nostrand               |                       | 15     |        |
| 643    | Elliptic Partial Differential Equations of Second Order                              |                | New  | D. Gilbarg and N.S. Trudinger       | Springer Verlag            |                       | 15     |        |
| 650    | Commutative Ring Theory (First paperback edition with corrections, 1989)             | 1989 paperback | New  | Matsumura                           | Cambridge University Press |                       | 15     |        |
| 661    | Riemannian manifolds, An Introduction to Curvature                                   |                | New  | John M. Lee                         | Springer                   |                       | 15     |        |
| 665    | Basic Algebraic Geometry I   | 2nd            | New  | Shafarevich                         | Springer-Verlag            |                       | 15     |        |
| 684    | Algebraic groups and class fields  |                | New  | Serre                               | Springer-Verlag            |                       | 15     |        |
| 690K   | No Text Used   |                |      |                                     |                            |                       | 15     |        |
| 692B   | Microlocal Analysis for Differential Operators                                       |                | New  | Alain Grigis and Johannes Sjostrand | Cambridge University Press |                       | 15     |        |
| 692F   | Mathematical Models in Population Biology and Epidemiology (Recommended)             | 2001           | New  | Brauer and Castillo-Chavez          | Springer                   |                       | 15     |        |
| 692F   | Mathematics in Population Biology (Recommended)                                      |                | New  | Thieme                              | Princeton University Press |                       |        |        |
| 692T   | No Text Used   |                |      |                                     |                            |                       | 15     |        |
| 693C   | Complex Analysis in Banach Spaces (Recommended)                                      | any            | New  | J. Mujica                           | North Holland              |                       | 15     |        |
| 694G   | A Geometric Approach to Free Boundary Problems                                       |                | New  | Caffarelli                          | AMS                        |                       | 15     |        |
| 694M   | Levy Processes and Stochastic Calculus, Cambridge Studies in advanced mathematics 93 | 2004           | New  | David Applebaum                     | Cambridge University Press |                       | 15     |        |
| 694S   | No Text Used   |                |      |                                     |                            |                       | 15     |        |
| 696W   | No Text Used   |                |      |                                     |                            |                       | 15     |        |

See next page for Changes:

**Changes:**

MA 341 text changed on December 2:

**OLD TEXT** No text selected

**NEW TEXT** *Understanding Analysis* by Abbott (Springer)

MA 416 text changed on December 8:

**OLD TEXT** No text selected

**NEW TEXT** 1. *A First Course in Probability*, by Ross (Prentice Hall)

2. *Introduction to Probability and Its Applications*, (Recommended), by Schaeffer (Duxbury)

MA 520 text changed on December 8:

**OLD TEXT** No text selected

**NEW TEXT** *Fourier Analysis and its Applications*, by Folland (Brooks Cole)

MA 696W text changed on December 9:

**OLD TEXT** *Simple Hironaka Resolution*, by Włodarczyk (AMS)

**NEW TEXT** No text used

MA 351 text changed on December 9:

**OLD TEXT** *Linear Algebras with Applications (together with Visualizing Linear Algebra Using Maple, by Sandra Keith)* ISBN 0131482629, by Otto Bretscher (Prentice Hall, 3rd edition)

**NEW TEXT** *Linear Algebras with Applications* ISBN 0-13-145334-3, by Otto Bretscher (Prentice Hall, 3rd edition)