### DEPARTMENT OF MATHEMATICS & COMPUTER SCIENCE

**SPRING 2012 BOOKLIST**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>TITLE, AUTHOR, ISBN, AND PUBLISHER</th>
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<tbody>
<tr>
<td>MAT 030</td>
<td>Elementary Algebra, 3rd edition.</td>
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<td>(Schaum's Outlines)</td>
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<tr>
<td>(ALL SECTIONS)</td>
<td>By: Rich and Schmidt</td>
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<td></td>
<td>ISBN: 007141083-X</td>
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<tr>
<td></td>
<td>Publisher: McGraw-Hill, Inc.</td>
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<tr>
<td>MAT 104</td>
<td>ACP Beginning &amp; Intermediate Algebra 2e</td>
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<td>(ALL SECTIONS)</td>
<td>w/Right Triangle Trig.</td>
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<td></td>
<td>By: Aufmann &amp; Lockwood</td>
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<td></td>
<td>Custom ISBN: 0618964460</td>
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<td>Publisher: Cengage</td>
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<tr>
<td>(ALL SECTIONS)</td>
<td>By: Allan G. Bluman</td>
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<tr>
<td></td>
<td>Bundle ISBN: 978-0-07-335725-6</td>
</tr>
<tr>
<td></td>
<td>Publisher: McGraw-Hill, Inc.</td>
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<tr>
<td>MAT 155</td>
<td>NO TEXTBOOK REQUIRED.</td>
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<tr>
<td>MAT 156</td>
<td>NO TEXTBOOK REQUIRED.</td>
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<tr>
<td>MAT 171</td>
<td>Mathematical Applications 9e Lehman College Ed.</td>
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<tr>
<td>MAT 174</td>
<td>By: Harshbarger &amp; Reynolds</td>
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<td></td>
<td>Publisher: Cengage</td>
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<td>MAT 172</td>
<td>(ALL SECTIONS) EXCEPT MAT 172 SECTION C401 &amp; SECTION I401 WHERE A</td>
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<td>FREE ELECTRONIC BOOK WILL BE PROVIDED FOR THE COURSE</td>
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<tr>
<td></td>
<td>Precalculus 7e Chapters 1-6</td>
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<tr>
<td></td>
<td>By: Larson &amp; Hostetler</td>
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<td></td>
<td>Custom ISBN: 1424086485</td>
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<td>Publisher: Cengage</td>
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(ALL SECTIONS) EXCEPT MAT 175 SECTION B402 WHERE A FREE ELECTRONIC BOOK WILL BE PROVIDED FOR THE COURSE

MAT 175  Calculus ETF 4e
MAT 176  By: Larson, Hostetler & Edwards
MAT 226  Custom ISBN: 1424080738
          Publisher: Cengage

Prof. Karp  (6th ed. ok but not as good)
          By:
          ISBN: 978-0073383095
          Publisher: McGraw Hill, 2011

MAT 301-ZF81  SPSS Demystified, 2nd Edition (The package including the Prof. Santoro Student Version of SPSS18)
Prof. Karp  By: Ronald D. Yockey
          Publisher: Prentice Hall

MAT 313-ZG81  Linear Algebra: Theory And Applications / 2 Ed.
Prof. Lakic  By: Ward Cheney, David R. Kincaid
          Publisher: Jones & Bartlett Learning

MAT 314-C401  A First Course in Abstract Algebra, 7th Edition
Prof. Handel  By: John B. Fraleigh
          ISBN: 0 -201-76390-7
          Publisher: Addison Wesley

MAT 316-01  Elementary Number Theory, 7th Edition
Prof. Lewittes  By: David M. Burton
          Publisher: McGraw Hill

MAT 320-ZI81  Introduction to Analysis
Prof. Nathanson  By: Maxwell Rosenlicht
          ISBN: 10: 0486650383
          Publisher: Dover Publications

MAT 321-01  Introduction to Analysis
Prof. Szabo  By: Maxwell Rosenlicht
          Publisher: Dover Publications, INC.

MAT 323-ZF81  Introduction to Ordinary Differential Equations
Prof. Karp

with Dynamical Systems
By: S. L. Campbell and R. Haberman
ISBN: 978-0691124742
Publisher: Princeton University Press, 2008

THIS COURSE HAS THREE (3) REQUIRED TEXTBOOKS:
MAT 343-ZG81     Episodes from the Early History of Mathematics
Prof. Nathanson  By: Asger Aaboe
ISBN: 10-0883856131
Publisher: The Mathematical Association of America
Journey through Genius: The Great Theorems
of Mathematics
By: William Dunham
Publisher: John Wiley & Sons, 1990, reprinted by
The Crest of the Peacock: Non-European Roots of
Mathematics, 2nd Edition
By: George Gheverghese Joseph
Publisher: Princeton University Press, 2011

Prof. Fera     By: Gerard Venema (Published: 07/06/2011)
ISBN: 10: 0136020585
Publisher: Pearson (Copyright: 2012)

MAT 348-ZG81     An Intro to Management Science: Quantitative
Prof. Hellmann  Approaches to Decision Making, 13th Edition
By: Anderson, Sweeney, Williams, Camm, & Martin
ISBN: 10: 1111532222
Publisher: South-Western College Publishing

MAT 417-ZH81     Making, Breaking Codes: Introduction to Cryptology
Prof. Pan     By: Paul Garrett,
ISBN: 0-13-030369-0
Publisher: Prentice-Hall

MAT 423-ZG81     Complex Variables and Applications, 8th Edition
Prof. Schneider  By: James Ward Brown and Ruel V.Churchill
ISBN: 978-0-07-305194-9
Publisher: McGraw-Hil

MAT 442-01     Introduction to the Theory of Computation, 2nd Ed.
Prof. Fitting  
By: Michael Sipser  
Publisher: Course Technology  

NOTE: Price at bookstore, $181 new, $136 used. 
Price at Amazon, $186

MAT 601-ZF81  
Prof. Fera  
NO TEXTBOOK REQUIRED.

MAT 604-01  
Prof. Lewittes  
Mathematics for High School Teachers  
By: Usiskin, Peressini, Marchisotto, Stanley  
Publisher: Prentice-Hall

MAT 613-01  
Prof. Lewittes  
SAME AS MAT 316-01.

MAT 615-C401  
Prof. Handel  
SAME AS MAT 314-C401.

MAT 630-01  
Prof. Fera  
SAME AS MAT 345-01.

MAT 637-01  
Prof. Karp  
SAME AS MAT 237-01.

MAT 640-ZI81  
Prof. Nathanson  
SAME AS MAT 320-ZI81.

MAT 661-ZG81  
Prof. Nathanson  
SAME AS MAT 343-ZG81.

MAT 753-ZG81  
Prof. Schneider  
SAME AS MAT 423-ZG81.

MAT 755-ZF81  
Prof. Karp  
SAME AS MAT 323-ZF81.

MAT 759-01  
Prof. Szabo  
SAME AS MAT 321-01.

MAT 771-01  
Prof. Fitting  
SAME AS MAT 442-01.

MAT 789-ZH81  
Prof. Fitting  
SAME AS MAT 417-ZH81.
Prof. Pan

By: Author: Zelle, John
Cost: $45 (Amazon)
ISBN: 10: 1590282418
Publisher: Franklin, Beedle & Associates Inc.

STUDENTS ARE RECOMMENDED TO BUY THIS TEXTBOOK USED:
Mr. Goris By: Susanna S. Epp
Publisher: Brooks/Cole

CMP 326 (ALL SECTIONS) Java: An Intro to Problem Solving & Programming
6th Edition
By: Walter Savitch
ISBN: 10: 0132162709
Publisher: Addison Wesley

CMP 334-F401 Computer Organization and Design: The Hardware/Software Interface, Fourth Edition
Prof. Fakhouri ISBN: 978-0-1237-4493-7
By: David A. Patterson and John L. Hennessy
Publisher: Morgan Kaufmann

CMP 338-B401 Algorithms, Fourth Edition
Mr. Alpern By: Robert Sedgewick and Kevin Wayne
Publisher: Addison-Wesley Professional
Copyright: 2011

THE PROFESSOR RECOMMENDS THAT STUDENTS PURCHASE THIS TEXTBOOK ONLINE:
CMP 339-I401 Concepts of Programming, Languages, 9/e
Prof. Rosholt By: Robert W. Sebesta
ISBN: 0-13-607347-6
Publisher: Pearson Addison-Wesley

CMP 342-01 NO TEXTBOOK REQUIRED.
Mr. Schwitteke

CMP 346-01  Head First Design Patterns, 1st Edition
Prof. Cocchi  By: Freeman and Freeman
ISBN: 10-0-596-00712-4
Publisher: O’Reilly

CMP 416-01  Introduction to the Theory of Computation
Prof. Fitting  By: Michael Sipser, Second Edition
ISBN: 10: 0534950973
Publisher: Course Technology

CMP 417-ZH81  Making, Breaking Codes: Introduction to Cryptology
Prof. Pan  By: Paul Garrett,
ISBN: 0-13-030369-0
Publisher: Prentice-Hall

CMP 426-ZF81  Operating System Concepts, 8th Edition
Prof. Jung  By: A. Silberschatz, P. Galvin, & G. Gagne
Publisher: John Wiley

Prof. Griffeth  By: Dave Baum
ISBN: 978-1590590638
Publisher: Apress

CMP 685-01  SAME AS CMP 416-01.
Prof. Fitting

Prof. Rosholt

CMP 697-ZF81  SAME AS CMP 426-ZF81.
Prof. Jung

CMP 738-01  SAME AS CMP 438-01.
Prof. Griffeth

CMP 775-ZH81  SAME AS CMP 417-ZH81.
Prof. Pan

CMP 788-01  SAME AS CMP 346-01.
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<tr>
<th>Course</th>
<th>Title</th>
<th>Edition</th>
<th>Authors</th>
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<tr>
<td>CIS 228</td>
<td>Head First HTML with CSS and XHTML.</td>
<td></td>
<td>Freeman &amp; Freeman</td>
<td>ISBN: 978-0-596-10198</td>
<td>Publisher: O'Reilly &amp; Associates, Inc.</td>
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<tr>
<td>CIS 234</td>
<td>New Perspectives on Microsoft Office Excel</td>
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CIS 244  
New Perspectives on Microsoft Office Access 2007,  
Comprehensive.
By: Adamski & Finnegan
Custom ISBN: 1426634277
Publisher: Cengage (CTI)

CIS-331  
Internetworking With TCP/IP (Vol 1) Principles,  
Protocols, and Architecture, Fifth Ed.
By: Douglas E. Comer
ISBN: 978-0-1318-7671-2 or 0-1318-7671-6
Publisher: Pearson Prentice Hall

CIS 344-01  
Concepts of Database Management – 6th Ed.
Prof. Quinn
By: Pratt, Adamski
Publisher: Thomson Course Technology

CIS 345-F401  
Operating System Concepts, 8th Edition
Mr. Cornacchiulo
By Abraham Silberschatz, Peter B. Galvin, Greg Gagne
Publisher: Wiley

CIS-346-ZG81  
e-Start your Web Store with Zen Cart
Ms. Haughton
By: Goh Koon Hoek
ISBN: 10: 9810565917
ASIN: B000UC42PW
Publisher: LL; Book Only edition (2007)

Revised: 1/27/12