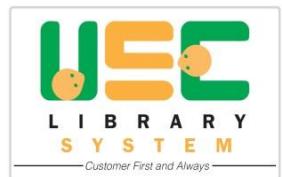


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Acquisitions List: School of Arts and Sciences Sciences Division Second Semester 2015

Computer Science (DDC 004-006)

Alencar, M. S. (2015). *Information theory*. New York : Momentum Press.
004.1092346 A125

Beu, T. A. (2015). *Introduction to numerical programming: A practical guide for scientists and engineers using Python and C/C++*. Boca Raton : CRC Press, Taylor & Francis Group.
005.133 B46

Bradbury, A. & Everard, B. (2014). *Learning Python with Raspberry Pi*. Hoboken : Wiley.
005.133 B72

Chang,K.(2012). *Motion simulation and mechanism design using Solidworks Motion 2011*. Mission Kan : Schroff Development Corp. Mission Kan. : Schroff Development Corp.
005.10285 C36

Coskun, V., Ok, K., & Ozdenizci, B. (2013). *Professional NFC application development for Android*. Chichester [England : Wiley.
005.3684 C82

Dumas, J. G., Roch, J. L., Tannier, E., & Varrette, S. (2015). *Foundations of coding : Compression, encryption, error correction*. Hoboken, New Jersey : Wiley.
003.54 D89

Editor. Campbell, C.(2015). *Database development and management*. New York : Delve Publishing.
005.74 D26

Elliott, A. C., & Woodward, W. A. (2016). *IBM SPSS by example : A practical guide to statistical data*. 2nd ed. Los Angeles : SAGE.
005.55 EI58

Feiler, J. (2013). *iOS 6 foundations*. Chichester, U.K : Wiley.
005.268 F32

Frith, J. (2015). *Smartphones as locative media*. Cambridge, UK : Malden, MA : Polity.
004.137 F91

Goransson, A. & Cuartielles, R. D. (2013). *Professional Android Open Accessory with Android ADK and Arduino*. Hoboken, N.J : Wiley.
005.258 G65

Horstmann, C. S. & Cornell, G. (2013). *Core Java*. 9th ed. Upper Saddle River, NJ : Prentice Hall.
005.133 H78 v.1

Katz, J. & Lindell, Y. (2015). *Introduction to modern cryptography*. 2nd ed. Boca Raton : CRC Press/Taylor & Francis.
005.82 K15

Klimczak, E. (2013). *Design for software : A playbook for developers*. Chichester, West Sussex: Wiley.
005.12 K68

Lawson, J. (2015). *Design and analysis of experiments with R*. Boca Raton : CRC Press, Taylor & Francis Group.
001.42202855133 L44

McKnight, W. (2014). *Information management : Strategies for gaining a competitive advantage with data*. Waltham, Massachusetts : Morgan Kaufmann.
005.74068 M21

Meyers, L. S. (2013). *Performing data analysis using IBM SPSS(R)*. Hoboken : Wiley.
005.55 M57

Nixon, M. S. & Aguado, A. S. (2012). *Feature extraction & image processing for computer vision*. 3rd ed. Oxford Academic Press.
006.37 N65

Patton, M. Q. (2015). *Qualitative research & evaluation methods : Integrating theory and practice*. 4th ed. Thousand Oaks, California : SAGE Publications, Inc.
001.42 P27

Shiflet, A. B. & Shiflet, G. W. (2014). *Introduction to computational science : Modeling and simulation for the sciences*. 2nd ed. Princeton, [New Jersey] : Princeton University Press.
004 Sh61

Stepanov, A. A. & Rose, D. E. (2014). *From mathematics to generic programming*. Upper Saddle River, NJ : Addison-Wesley.
005.11 St43

Zaki, M. J., & Meira, W. (2013). *Data mining and analysis : Fundamental concepts and algorithms*. New York, NY : Cambridge University Press.
006.312 Z13

Natural Sciences (DDC 500-509)

Currell, G. (2015). *Scientific data analysis*. Oxford : Oxford University Press.
507.21 C93

Keeley, P. & National Science Teacher Association. (2015). *Science formative assessment : 50 new strategies for linking assessment, instruction and learning*. Thousand Oaks, California : Corwin.
507.1 K24

Mathematics (DDC 510-519)

Aufmann, R. N., Lockwood, J. S., Nation, R., & Clegg, D. (2014). *Mathematical excursions*. 3rd ed. Australia : Brooks/Cole.
510 M42

Barnett, R. A., Ziegler, M. R., & Byleen, K. E. (2015). *Finite mathematics for business, economics, life sciences, and social sciences*. 13th ed. Boston : Pearson.
511.1 B26

Barvinok, A. (2008). *Integer points in polyhedra*. Zurich : European Mathematical Society.
516.35 B28

Beh, E. J., & Lombardo, R. (2014). *Correspondence analysis : Theory, practice and new strategies*. Chichester, West Sussex ; Hoboken, NJ : John Wiley & Sons.
519.537 C81

Bernido, C. C. & Carpio-Bernido, M. V. (2015). *Methods and applications of white noise analysis in interdisciplinary sciences*. [Hackensack,] New Jersey : World.

519.22 B45

Bloomfield, V. A. (2014). *Using R for numerical analysis in science and engineering*. Boca Raton, Florida : CRC Press.
518.02855133 B62

Creighton, S. J., Tobey, C. R., Karnowski, E., & Fagan, E. R. (2015). *Bringing math students into the formative assessment equation: Tools and strategies for the middle grades*. Thousand Oaks, California : Corwin, a SAGE Company.
510.712 C86

Dieck, T. (2008). *Algebraic topology*. Zürich : European Mathematical Society.
514.2 D56

Du, D. & Ko, K. I. (2014). *Theory of computational complexity*. Hoboken, New Jersey : John Wiley & Sons, Inc.
511.352 D85

Dobrushkin, V. A. (2015). *Applied differential equations : The primary course*. Boca Raton : CRC Press, Taylor & Francis.
515.35 D65

Edwards, C. H., Penney, D. E., & Calvis, D. (2015). *Differential equations and boundary value problems : Computing and modeling*. 5th ed. Upper Saddle River, New Jersey : Pearson Education, Inc.
515.35 Ed95

Ekstrøm, C. T. & Sørensen, H. (2015). *Introduction to statistical data analysis for the life sciences*. Boca Raton : CRC Press, Taylor & Francis.
519.5 Ak78

Farber, M. (2008). *Invitation to topological robotics*. Zürich : European Mathematical Society.
514.3 F22

Giordano, F. R., Fox, W. P. & Horton, S. B. (2014). *A first course in mathematical modeling*. 5th ed. Australia ; Boston, MA : Brooks/Cole, Cengage Learning.
511.8 G43

Goldstein, L. J., Asmar, N. H., Lay, D. C. & Schneider, D. I. (2014). *Calculus and its applications*. 13th ed. Boston, MA Pearson Education.
515 G57

Hansen, E. W. (2014). *Fourier transforms : Principles and applications*. Hoboken, New Jersey : Wiley.
515.723 H19

Hornsby, J., Lial, M. L. & Rockswold, G. K. (2015). *A graphical approach to precalculus with limits : A unit circle approach*. 6th ed. Boston : Pearson.
512.1 H78

Kharazishvili, A.B. (2014). *Set theoretical aspects of real analysis*. Boca Raton : CRC Press/Taylor and Francis.
514.7 K52

Krantz, S. G. & Simmons, G. F. (2015). *Differential equations : Theory, technique, and practice*. Boca Raton : CRC Press, Taylor & Francis Group.
515.35 K86

Kruschke, J. K. (2015). *Doing Bayesian data analysis : A tutorial with R, JAGS, and stan*. 2nd ed. Boston : Academic Press.
519.542 K94

Larson, R., & Silbey, R. (2015). *Mathematical practices : Mathematics for teachers : activities, models, and real-life examples*. Stamford, CT, USA : Cengage Learning.
510.712 L32

McKibben, M. A. & Webster, M. D. (2015). *Differential equations with MATLAB : Exploration, applications, and theory*. Boca Raton, FL : CRC Press, Taylor & Francis Group.
515.35 M21

Mazorchuk, V. & Centre for Quantum Geometry of Moduli Spaces. (2012). *Lectures on algebraic categorification*. Zürich, Switzerland : European Mathematical Society.
512.62 M45

Mendenhall, W., Beaver, R. J., & Beaver, B. M. (2013). *Introduction to probability and statistics*. 14th ed. Pacific Grove, Calif : Brooks/Cole.
519.5 M52

Nambudiripad, K. B. M. (2013). *Bessel functions*. Oxford, U.K. : Alpha Science International Ltd.
515.53 N15

Papadopoulos, A. (2012). *Handbook of Teichmüller theory : Volume III*. Zürich : European Mathematical Society.
515.94 H19 v.3

Pawlowsky-Glahn, V., Egozcue, J. J., & Tolosana-Delgado, R. (2015). *Modeling and analysis of compositional data*. Chichester, West Sussex, United Kingdom : Wiley.
519.535 P28

Pelham, B. W. (2013). *Intermediate statistics : A conceptual course*. Los Angeles : SAGE.
519.5 P36

Privitera, G. J. (2016). *Student study guide with IBM SPSS workbook for essential statistics for the behavioral sciences*. Thousand Oaks, California : SAGE Publications, Inc.
519.5028553 P93

Rana, R. (2013). *Concepts in vector analysis*. New Delhi : Anmol Publications.
515.63 R15

Rogel-Salazar, J. (2015). *Essential MATLAB and Octave*. Boca Raton : Taylor & Francis, CRC Press.
510.285536 R63

Ross, S. M. (2014). *Introduction to probability and statistics for engineers and scientists*. 5th ed. Amsterdam ; Boston : Elsevier, AP.
519.5 R73

Rudnick, J. & Gaspari, G. (2010). *Elements of the random walk : An introduction for advanced students and researchers*. Cambridge : Cambridge University Press.
519.282 R83

Schmitt, A. H. W. (2008). *Geometric invariant theory and decorated principal bundles*. Zürich : European Mathematical Society.
516.35 Sch56

Seeley, R. T. (2006). *An introduction to fourier series and integrals*. Mineola, N.Y: Dover.
515.2433 Se34

Shifrin, T. (1996). *Abstract algebra : A geometric approach*. Englewood Cliffs, N.J: Prentice Hall.
512.02 Sh61

Smith, D., Eggen, M. & St, A. R. (2015). *A transition to advanced mathematics*. 8th ed. Boston, MA : Cengage Learning.
510 Sm51

Spencer, N. H. (2014). *Essentials of multivariate data analysis*. Boca Raton : CRC Press/Taylor & Francis Group.
519.535 Sp33

Spiegel, M. R., Lipschutz, S. & Liu, J. (2013). *Mathematical handbook of formulas and tables*. 4th ed. New York : McGraw-Hill.

510.212 Sp43

Sznitman, A. S. (2012). *Topics in occupation times and Gaussian free fields*. Zürich, Switzerland: European Mathematical Society.
519.233 Sz49

Tartakovsky, A., Nikiforov, I. V., & Basseville, M. (2015). *Sequential analysis : Hypothesis testing and change point detection*. Boca Raton : CRC Press, Taylor & Francis Group.
519.54 T17

Taylor, D. G. (2015). *The mathematics of games : An introduction to probability*. Boca Raton, FL : CRC Press.
519.3 T31

Thas, K. (2012). *A course on elation quadrangles*. Zürich, Switzerland : European Mathematical Society.
512.2 T32

Triebel, H. (2012). *Faber systems and their use in sampling, discrepancy, numerical integration*. Zürich : European Mathematical Society.
515.7 T73

Tussy, A. S. & Gustafson, R. D. (2013). *Intermediate algebra*. 5th ed. Belmont, CA : Brooks/Cole, Cengage Learning.
512 T87

Utts, J. (2015). *Mind on statistics*. 5th ed. Australia ; United States : Brooks/Cole, Cengage Learning.
519.5 Ut8

Wirkus, S. A. & Swift, R. J. (2015). *A course in ordinary differential equations*. 2nd ed. Boca Raton : Chapman & Hall/CRC.
515.352 W74

Yates, R. D. & Goodman, D. J. (2014). *Probability and stochastic processes : A friendly introduction for electrical and computer engineers*. 3rd ed. [Hoboken] : Wiley.
519.2 F66

Zhang, J. T. (2014). *Analysis of variance for functional data*. Boca Raton : CRC Press.
519.538 Z61

Physics (DDC 530-539)

Born, M., & Wolf, E. (1999). *Principles of optics : Electromagnetic theory of propagation, interference and diffraction of light*. Cambridge : Cambridge University Press.
535 B64

Brehm, J.J. (1989). *Introduction to the structure of matter : A course in modern physics*.
New York : Wiley.
530 B47

Christodoulou, D. (2008). *Mathematical problems of general relativity I*. Zürich,
Switzerland : European Mathematical Society.
530.11 C46

Ditchburn, R. W. (1991). *Light*. New York : Dover Publications.
535 D63

Dworsky, L. N. (2014). *Introduction to numerical electrostatics using MATLAB*.
Hoboken, New Jersey : John Wiley & Sons Inc.
537.20151 D97

Fowles, G. R. (1989). *Introduction to modern optics*. 2nd ed. New York : Dover
Publications.
535.2 F82

Greene, R. L. (1995). *Classical mechanics with Maple*. New York : Springer.
530.078 G83

Heald, M. A. & Marion, J. B. (2012). *Classical electromagnetic radiation*. 3rd ed.
Mineola, New York : Dover Publications, Inc.
539.2 H34

Jordan, T. F. (2006). *Quantum mechanics in simple matrix form*. Mineola, N.Y : Dover
Publications.
530.12 J76

Kurowski, P. M. (2015). *Thermal analysis with solidworks simulation 2015 and flow
simulation 2015*. Mission KS: SDC Publications.
536.23 K96

Reif, F. (2009). *Fundamentals of statistical and thermal physics*. Long Grove, Ill:
Waveland Press.
530.13 R27

Risken, H. (1989). *The Fokker-Planck equation: methods of solution and applications*.
2nd ed. Berlin : Springer-Verlag.

530.15 R49

Safran, S. A. (2003). *Statistical thermodynamics of surfaces, interfaces, and membranes*. Boulder, Co: Westview Press.

530.427 Sa17

Smith, T. P. (2013). *How big is big and how small is small: The sizes of everything and why*. Oxford, UK ; New York, NY : Oxford University Press.

530.81 Sm51

Webster, J. G. (2014). *Measurement, instrumentation, and sensors handbook*: [1]. 2nd ed. Boca Raton, Fla : CRC Press.

530.8 M46 2 vols.

Chemistry and Allied Sciences (DDC 540-549)

Rankin, D. W. H., Morrison, C. A., & Mitzel, N. W. (2013). *Structural methods in molecular inorganic chemistry*. Chichester, West Sussex, United Kingdom : Wiley.

541.22 R16

Roos, G., & Roos, C. (2015). *Organic chemistry concepts: An EFL approach*.
547 R67

Chan,K.S.&Tan,J.(2015). *Understanding basic chemistry through problem solving : The learner's approach*. Singapore : Hackensack,NJ:World Scientific.
540 C36

Slowinski, E.J.(2015). *Chemical principles in the laboratory*. 11th ed. Australia : Brooks/Cole.
542.1 SI59

Denniston, K. J., Topping, J. J., Woodrum, K., & Caret, R. L. (2014). *General, organic, and biochemistry*. 8th ed. New York, NY : McGraw-Hill Companies.
540 D42

Chemical separations. (2015). New York : Delve.
543.078 C42

Boča, R. (2012). *A handbook of magnetochemical formulae*. London : Elsevier.
541.378 B63

Kotz, J. C., Treichel, P., Townsend, J. R., & Treichel, D. A. (2015). *Chemistry & chemical reactivity*. 9th ed. Stamford, CT : Cengage Learning.
540 K84

Masterton, W. L., & Hurley, C. N. (2016). *Chemistry : principles and reactions*. 8th ed. Australia : Brooks/Cole.
540 M39

Stoker, H. S. (2015). *General, organic, and biological chemistry*. 7th ed. Boston, MA
Cengage Learning.
540 St67

Earth Sciences (DDC 550-559)

Jayawardena, A. W. (2014). *Environmental and hydrological systems modelling*. Boca Raton : CRC Press, Taylor & Francis Group.
551.480151 J33

McWilliams, J. C. (2006). *Fundamentals of geophysical fluid dynamics*. Cambridge : Cambridge University Press.
551.46 M25

Pipkin, B. W., Trent, D. D., Hazlett, R. W., & Bierman, P. (2013). *Geology and the environment*. 7th ed. Belmont, CA, USA : Brooks/Cole, CENGAGE Learning.
550 P66

Life Sciences; Biology (DDC 570-579)

Bauman, R. W. (2015). *Microbiology : With diseases by body system*. 4th ed. Boston : Pearson.
579 B32

Beckage, N. E., & Drezen, J.-M. (2012). *Parasitoid viruses : Symbionts and pathogens*. Amsterdam : Elsevier/Academic Press.
579.14 P21

Bellinger, E. G., & Sigee, D. C. (2015). *Freshwater algae : Identification, enumeration and use as bioindicators*. Chichester, West Sussex, UK ; Hoboken, NJ : Wiley.
579.8176 B41

Bradshaw, R., Sykes, M., & Cylinder. (2014). *Ecosystem dynamics : From the past to the future*. Chichester, England : Wiley Blackwell.
577 B72

Buller, N. B. (2014). *Bacteria and Fungi from Fish and other Aquatic Animals : A Practical Identification Manual. (Bacteria and fungi from fish and other aquatic animals.)* 2nd ed. Wallingford : CABI.

578.76 B87

Hartwell, L., Goldberg, M. L., & Fischer, J. A. (2015). *Genetics : From genes to genomes*. 5th ed. New York, NY : McGraw-Hill Education.

572.8 H25

Hill, R. W., Wyse, G. A. Anderson, M. (2012). *Animal physiology*. 3rd ed. Sunderland, Massachusetts : Sinauer Associates Inc.

571.81 H55

Lewin, B., Krebs, J. E., Goldstein, E. S., & Kilpatrick, S. T. (2014). *Lewin's genes XI*. Burlington, Mass : Jones & Bartlett Learning.

576.5 K87

Krauss, G.-J., & In Nies, D. H. (2014). *Ecological biochemistry : Environmental and interspecies interactions*. Weinheim : Wiley.

577.14 Ec73

Meneely, P. M., & Meneely, P. M. (2014). *Genetic analysis : Genes, genomes, and networks in eukaryotes*. 2nd ed. Oxford : Oxford University Press.

576.5 M52

Pomin, V. H. (2014). *Seaweeds : Agricultural uses, biological and antioxidant agents*. New York : Nova Publishers.

579.8177 Se19

St, C. C., & Visick, J. (2015). *Exploring bioinformatics : A project-based approach*. 2nd ed. Burlington, MA : Jones & Bartlett Learning.

572.330285 St10

Starr, C., Evers, C. A., & Starr, L. (2013). *Biology : Today and tomorrow*. 4th ed. Pacific Grove, Calif : Brooks/Cole.

570 St28

Stewart, J., & Day, T. (2015). *Biocalculus : Calculus for the life sciences*. Boston, MA : Cengage Learning.

570.1515 St49

Waigh, T. A. (2014). *The physics of living processes : A mesoscopic approach*. Chichester, West Sussex, UK : Wiley.

571.4 W13

Walker, C. (2014). *Ecotoxicology : Effects of pollutants on the natural environment*. Boca Raton : CRC Press, Taylor and Francis Group.

577.27 W15

Animals – Zoology (DDC 590-599)

Barbosa, P., Berry, D. L., & Kary, C. S. (2015). *Insect histology : Practical laboratory techniques*. Chichester, West Sussex ; Hoboken, NJ.
595.7 B23

Faridi, A. Z. (2013). *Concepts in entomology*. New Delhi : Anmol Publications.
595.7 F22

Gullan, P. J., & Cranston, P. S. (2014). *The insects : An outline of entomology*. 5th ed. Chichester, West Sussex : John Wiley & Sons, Inc.
595.7 G95

Hickman, C. P. (2014). *Integrated principles of zoology*. 16th ed. Dubuque, Iowa : McGraw-Hill Education.
590 In8

Khatib, H. (2015). *Molecular and quantitative animal genetics*. Hoboken, New Jersey : Wiley Blackwell.
591.35 M73

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