



# UNIVERSITY OF SAN CARLOS

## The Library System

### Science & Technology Library



## *Acquisitions List: School of Engineering* *Second Semester 2015*

### Chemical Engineering & Related Subject Area

Bhattacharya, S. (2015). *Conventional and advanced food processing technologies*. Chichester, West Sussex, UK ; Hoboken, NJ : Wiley Blackwell.  
664.02 C76

Centi, G., & In Perathoner, S. (2014). *Green carbon dioxide : Advances in CO<sub>2</sub> utilization*. Hoboken, New Jersey : Wiley.  
665.89 G82

Coker, A.K. (2015). *Ludwig's applied process design for chemical and petrochemical plants*. volume 3. 4<sup>th</sup> ed. Waltham, Mass : Elsevier.  
660.283 C66 v.3

De, H. A. B., & Bosch, H. (2013). *Industrial separation processes : Fundamentals*. Berlin : De Gruyter.  
660.2842 H11

Economides, M. J., Hill, A. D., Ehlig-Economides, C., & Zhu, D. (2013). *Petroleum production systems*. New Jersey : Pearson Education International.  
622.338 Ec74

Fried, J. R. (2014). *Polymer science and technology*. 3<sup>rd</sup> ed. Upper Saddle River, NJ : Prentice Hall.  
668.9 F91

Greene, J. P. (2014). *Sustainable plastics : Environmental assessments of biobased, biodegradable, and recycled plastics*. Hoboken, New Jersey : John Wiley and Sons, Inc.  
668.4 G83

Harzevili, F. D. & In Chen, H. (2014). *Microbial biotechnology: Progress and trends*. Boca Raton : CRC Press.  
660.62 M58

Khoury, F. M. (2014). *Multistage separation processes*. 4<sup>th</sup> ed. Boca Raton : Taylor & Francis.  
660.2842 K52

Lieberman, N.P. & Lieberman, E.T. (2014). *A working guide to process equipment*. 4<sup>th</sup> ed. New York : Mc-Graw Hill.  
660.283 L62

Ray, B., & Bhunia, A. K. (2014). *Fundamental food microbiology*. 5<sup>th</sup> ed. Boca Raton : CRS Press, Taylor & Francis Group.  
664.001579 R21

Ross, J. R. H. (2012). *Heterogeneous catalysis : Fundamentals and applications*. Amsterdam : Elsevier.  
660.2995 R73

Seetharaman, S., McLean, A., Guthrie, R. I. L., & Sridhar, S. (2014). *Treatise on process metallurgy*. Kidlington, Oxford, U.K: Elsevier.  
669 T71 v.2

Schmal, M. (2014). *Chemical reaction engineering : Essentials, exercises and examples*. Boca Raton : CRC Press, Taylor & Francis Group.  
660 Sch43

Suresh, S., & Sundaramoorthy, S. (2015). *Green chemical engineering : An introduction to catalysis, kinetics, and chemical processes*. Boca Raton : CRC Press.  
660 Su77

Tiwari, A., & In Syvajarvi, M. (2014). *Advanced materials for agriculture, food, and environmental safety*. Hoboken, New Jersey : John Wiley & Sons, Inc.  
664.01 Ad95

Toldrá, F. (2015). *Handbook of fermented meat and poultry*. 2<sup>nd</sup> ed. Chichester, West Sussex, UK : Wiley Blackwell.  
664.024 H19

Ustunol, Z. (2015). *Applied food protein chemistry*. Chichester, West Sussex, UK : Hoboken, NJ.  
664.07 Us8

Varzakas, T., & Tzia, C. (2015). *Food engineering handbook*. Boca Raton, FL : CRC Press.

## Civil Engineering & Related Subject Area

Abbasi, T., Tareen, J. A. K., & ScienceDirect (Online service). (2012). *Water quality indices*. S.l.: Elsevier.  
628.161 Ab19

Athienitis, A. K., & In Brien, W. O. (2015). *Modeling, design, and optimization of net-zero energy buildings*. Berlin, Germany : Wilhelm Ernst & Sohn.  
696 M72

Brooks, J. J. (2014). *Concrete and masonry movements*. Oxford, UK : Butterworth-Heinemann.  
624.183 B79

Christensen, E. R., & Li, A. (2014). *Physical and chemical processes in the aquatic environment*. Hoboken, New Jersey : Wiley.  
628.1 C46

Coulson, J. (2014). *Sustainable use of wood in construction*. Chichester, West Sussex, United Kingdom : John Wiley & Sons, Inc.  
691.10286 C83

Duncan, J. M., Wright, S. G., & Brandon, T. L. (2014). *Soil strength and slope stability*. 2<sup>nd</sup> ed. Hoboken, New Jersey : Wiley.  
624.151363 D91

Fehling, E. (2014). *Ultra-high performance concrete UPHC : Fundamentals - design - examples*. Berlin : Ernst & Sohn.  
620.136 F32

Fu, C. C., & Wang, S. (2015). *Computational analysis and design of bridge structures*. Boca Raton : CRC Press.  
624.25 F95

Gambhir, M. L. & Jamwal, N. (2014). *Building and construction materials : Testing and quality control*. New Delhi : McGraw Hill Education.  
690.076 G14

Hakeem, K. R. ed. (2015). *Soil remediation and plants : Prospects and challenges*. Amsterdam : Elsevier.  
628.55 So34

Haussler-Combe, U. (2015). *Computational methods for reinforced concrete structures*. Berlin, Germany : Ernst & Sohn.  
624.18340285 H29

Kensek, K. M., & In Noble, D. (2014). *Building information modeling : BIM in current and future practice*. Hoboken, New Jersey : Wiley.  
690.0285 B86

Kharisov, B. I., Kharissova, O. V., & Dias, H. V. R. (2014). *Nanomaterials for environmental protection*. Hoboken, New Jersey : Wiley.  
628.0284 N15

Kirkham, R. J., Brandon, P. S., & Ferry, D. J. (2015). *Ferry and Brandon's cost planning of buildings*. 9<sup>th</sup> ed. Chichester, West Sussex, United Kingdom : Wiley-Blackwell.  
692 K63

Kucera, J. (2014). *Desalination : Water from water*. Hoboken, New Jersey : Wiley, Wiley & Sons.  
628.167 D45

Li, G., & Wong, K. K. F. (2014). *Theory of nonlinear structural analysis : The force analogy method for earthquake engineering*. Singapore : Wiley,  
624.176201515252 L61

Nelson, J.D. (2015). *Foundation engineering for expansive soil*. Hoboken, New Jersey : Wiley.  
624.151 N33

Newman, A. (2015). *Metal building systems : Design and specifications*. 3<sup>rd</sup> ed. New York : McGraw-Hill Education.  
693.7 N46

Nicholson, P. (2015). *Soil improvement and ground modification methods*. Oxford, England : Waltham, Massachusetts : BH.  
624.151363 N52

Nikolaides, A. (2015). *Highway engineering : Pavements, materials and control of quality*. Boca Raton : CRC Press, Taylor & Francis Group.  
625.3 N58

Pichtel, J. (2014). *Waste management practices : Municipal, hazardous, and industrial*. 2<sup>nd</sup> ed. Boca Raton, Florida : CRC Press.  
628.4 P58

Souder, C. (2015). *Temporary structure design*. Hoboken, New Jersey : Wiley.  
624.16 So81

Svensson, H. (2012). *Cable-stayed bridges : 40 years of experience worldwide.* Zeuthen : Ernst & Sohn.  
624.238 Sv25

Taly, N. (2015). *Highway bridge superstructure engineering : LRFD approaches to design and analysis.* Boca Raton, FL : CRC Press.  
624.257 T14

Tomlinson, M. J., & Woodward, J. (2015). *Pile design and construction practice.* 6<sup>th</sup> ed. Boca Raton : CRC Press.  
624.154 T59

Woland, J. (2013). *Site engineering for landscape architects workbook.* Hoboken, N.J: Wiley.  
624 W83 2013

## Computer Engineering & Related Subject Area

Alencar, M. S. (2015). *Information theory.* New York : Momentum Press.  
004.1092346 Al25

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*. 2<sup>nd</sup> 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*. 9<sup>th</sup> ed. Upper Saddle River, NJ : Prentice Hall.  
005.133 H78 v.1

Katz, J. & Lindell, Y. (2015). *Introduction to modern cryptography*. 2<sup>nd</sup> 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*. 3<sup>rd</sup> ed. Oxford Academic Press.  
006.37 N65

Patton, M. Q. (2015). *Qualitative research & evaluation methods : Integrating theory and practice*. 4<sup>th</sup> 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*. 2<sup>nd</sup> 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

## **Electrical/Electronics & Communications Engineering & Related Subject Area**

Agrawal, D. P., & Zeng, Q.-A. (2016). *Introduction to wireless and mobile systems*. 4<sup>th</sup> ed. Boston, MA : Cengage Learning.  
621.382 Ag81

Bates, M., & Bates, M. (2011). *PIC microcontrollers : An introduction to microelectronics*. 3<sup>rd</sup> ed. Amsterdam : Elsevier, Newnes.  
629.895 B31

Bird, J. O. (2014). *Electrical circuit theory and technology*. 5<sup>th</sup> ed. Milton Park, Abingdon, Oxon : Routledge.  
621.3192 B53

Dorronsoro, B. (2014). *Evolutionary algorithms for mobile ad hoc networks*. Hoboken: Wiley.  
621.3821201519625 D73

Everest, F. A., & Pohlmann, K. C. (2014). *Master handbook of acoustics*. New York : McGraw-Hill Education.  
620.2 Ev24

Gibilisco, S. (2015). *Ham and shortwave radio for the electronics hobbyist*. New York : McGraw-Hill Education.  
621.384151 G35

Horowitz, P., & Hill, W. (2015). *The art of electronics*. 3<sup>rd</sup> ed. New York, NY : Cambridge University Press.  
621.381 H78

Jayaweera, S. K. (2014). *Signal processing for cognitive radios*. Hoboken, New Jersey : John Wiley & Sons, Inc.  
621.3822 J33

Jin, J.-M. (2014). *The finite element method in electromagnetics*. 3<sup>rd</sup> ed. Hoboken, New Jersey : John Wiley & Sons Inc.  
621.3824 J56

Kazimierczuk, M. K. (2015). *RF power amplifiers*. 2<sup>nd</sup> ed. Chichester, West Sussex, United Kingdom : John Wiley & Sons Inc.  
621.38413 K18

Kitayama, K.-I. (2014). *Optical code division multiple access : A practical perspective*. Cambridge : Cambridge University Press.  
621.38275 K64

Lee, S. (2011). *Introduction to VHDL*. Singapore ; Australia : Cengage Learning.  
621.392 L51

Maniktala, S. (2012). *Switching power supplies A to Z*. 2<sup>nd</sup> ed. Amsterdam : Elsevier/Newnes.  
621.317 M31

Nilsson, J. W., & Riedel, S. A. (2015). *Electric circuits*. 10<sup>th</sup> ed. Boston : Pearson,  
621.3192 N92

Oliviero, A., Woodward, B., & Electronics Technicians Association,. (2014). *Cabling : The Complete Guide to Copper and Fiber-Optic Networking*. 5<sup>th</sup> ed. Indianapolis, Indiana : Sybex.  
621.382 OI48

Park, E. J. (2014). *Exploring LEGO Mindstorms EV3 : Tools and techniques for building and programming robots*. Indianapolis, IN : Wiley.  
629.89252 P21

Peppler, K. A., Tekinbaş, K. S., Gresalfi, M., & Santo, R. (2014). *Short circuits : Crafting E-puppets with DIY electronics*. Cambridge, Massachusetts : The MIT Press.  
688.7224 P39

Pulkki, V., & Karjalainen, M. (2015). *Communication acoustics : An introduction to speech, audio and psychoacoustics*. Chichester, West Sussex, United Kingdom : Wiley.

620.2 P96

Purdum,J.J.(2015). *Arduino project for amateur radio*. New York : McGraw-Hill Education.  
629.89 P97

Reiss, J. D., & McPherson, A. P. (2015). *Audio effects : Theory, implementation and application*. Boca Raton, FL : CRC Press,  
621.3822 R27

Remy, J.-G., & Letamendia, C. (2014). *LTE standards*. London, [England] ; Hoboken, New Jersey.  
621.38456 R28

Roth,C.H.John,L.K.& Lee,B.K.(2016). *Digital systems design using verilog*.1st ed. Boston,MA : Cengage Learning.  
621.392 R74

Sanchez, J., & Canton, M. P. (2013). *Microcontrollers : Highperformance systems and programming*. Boca Raton [Florida] : CRC Press.  
629.895 Sa55

Sibille, A., Oestges, C., & Zanella, A. (2011). *MIMO : From theory to implementation*. Burlington, MA : Academic Press.  
621.384 M65

Tekin, A., & Emira, A. (2015). *High frequency communication and sensing : Traveling-wave techniques*. Boca Raton : CRC Press, Taylor & Francis Group.  
621.3813 T23

Tocci, R. J., Widmer, N. S., & Moss, G. L. (2014). *Digital systems : Principles and applications*. Harlow, UK: Pearson. 621.381/T56

Voldman, S. H. (2015). *ESD : Analog circuits and design*. Chichester, West Sussex : John Wiley & Sons Ltd.  
621.38153 V88

Xu, Y., Qian, H., & Wu, X. (2014). *Household service robotics*. Amsterdam : Elsevier,  
629.892 X8

Yiu, J. (2011). *The definitive guide to the Arm Cortex-M0*. Amsterdam: Newnes/Elsevier.  
621.3916 Y64

Zhang, B., & Wang, X. (2015). *Chaos analysis and chaotic EMI suppression of DC-DC converters*. Singapore : John Wiley & Sons, Inc.  
621.3132 Z61

## Industrial Engineering & Related Subject Area

Anderson,D.M.(2014). *Design for manufacturability : How to use concurrent engineering to rapidly develop low-cost,high-quality products for lean production.* Boca Raton, Florida : CRC Press/Taylor & Francis Group.  
670/An23

Anderson,D.R.(2016). *An introduction to management science: quantitative approaches to decesion making.* 14<sup>th</sup> ed. Boston, MA : Cengage Learning.  
658.4033 An23

Bennett, F. L. (1996). *The management of engineering : Human, quality, organizational, legal, and ethical aspects of professional practice.* New York: Wiley.  
620.0068 B43

Bhattacharyya, A. *Metal cutting theory and practice.* New Central Books Agency : London.  
671.5 B46

Brath, R., & Jonker, D. (2015). *Graph analysis and visualization : Discovering business opportunity in linked data.* Indianapolis, IN : John Wiley & Sons.  
658.4032 B73

Falzon, P. (2014). *Constructive ergonomics.* Hoboken : Taylor and Francis.  
620.82 C76

Fennimore, J. P. (2014). *Sustainable facility management : Operational strategies for today.* Boston : Pearson.  
658.2 F36

Folk, C. L., Boehm-Davis, D. A., & Remington, Roger. (2012). *Introduction to humans in engineered systems.* Wiley.  
620.82 R28

Groover, M. P. (2013). *Principles of modern manufacturing.* 5<sup>th</sup> ed.Hoboken, NJ : Wiley.  
670.42 G89

Jacobs, F. R. (2011). *Manufacturing planning and control for supply chain management.* New York : McGraw-Hill.  
658.5 M31

Lefteri, C. (2014). *Materials for design.* London : Laurence King Publishing.  
620.11 L52

Mittal, V. (2013). *Modeling and prediction of polymer nanocomposite properties.* Weinheim : Wiley-VCH.

620.115 M75

Mulcahy, D. E., & Sydow, J. (2008). *A supply chain logistics program for warehouse management*. Boca Raton : CRC Press.

658.785 M89

Najafi, M. (2013). *Trenchless technology : Planning, equipment, and methods*. New York : McGraw-Hill.

621.8672 N14

Qiu, R. G. (2014). *Service science : The foundations of service engineering and management*. Hoboken, New Jersey : Wiley.

658 Q15

Ravindran, A., & Warsing, D. P. (2013). *Supply chain engineering: Models and applications*. Boca Raton, FL: Taylor & Francis.

658.5 R15

Rao, P. N.(2013). *Manufacturing technology, metal cutting and machine tools. volume 2*. 3<sup>rd</sup> ed. New Delhi : McGraw-Hill (India) Private Limited.

621.902 R18

Smith, K. A., & Imbrie, P. K. (2014). *Teamwork and project management*. 4<sup>th</sup> ed. New York, NY : McGraw-Hill Education.

658.404 Sm61

Winston, W. L., & Albright, S. C. (2016). *Practical management science*. 5<sup>th</sup> ed. Australia ; Boston, MA : Gengage Learning.

658.0015195 W73

Whitman, M. E., Mattord, H. J., & Green, A. (2014). *Principles of incident response and disaster recovery*. 2<sup>nd</sup> ed. Boston, MA: Course Technology, Cengage Learning.

658.478 W59

## Mechanical Engineering & Related Subject Area

Beer, F.P.(2012). *Mechanics of materials*. New York : McGraw-Hill.

620.112 B39

Colwell, S.(2013). *Fire performance of external thermal insulation for walls of multistorey building*. 3<sup>rd</sup> ed. Bracknell : IHS BRE Press.

693.832 C72

Cramer, M. (2013). *Do-it-yourself high performance car mod : Rule the streets*. New York : McGraw Hill.

629.287 C84

Denton, T. (2012). *Advanced automotive fault diagnosis : Automotive technology vehicle maintenance and repair*. 3<sup>rd</sup> ed. London : Routledge.

629.2874 D43

Fitzpatrick, M. (2014). *Machining and CNC technology*. 3<sup>rd</sup> ed. New York : McGraw-Hill.  
671.35 F58

Kurowski, P.M.(2015). *Vibration analysis with SolidWorks simulation 2015*. Mission, KS : SDC Publications.

620.3 K96

Leitman, S., & Brant, B. (2013). *Build your own electric vehicle*. 3<sup>rd</sup> ed. New York : McGraw-Hill Education.

629.2293 L53

Myszka, D. H. (2012). *Machines and mechanisms : Applied kinematic analysis*. 4<sup>th</sup> ed. Boston: Pearson Education International.  
621.811 M99

Pacejka, H. B., & Besselink, I. (2012). *Tire and vehicle dynamics*. 3<sup>rd</sup> ed. Oxford, U.K : Butterworth-Heinemann.  
629.2482 P11

Stanfield, C., & Skaves, D. (2013). *Fundamentals of HVACR*. 2<sup>nd</sup> ed. Columbus, Ohio : Prentice Hall.  
697 St24

Thompson, R. (2013). *Automotive maintenance & light repair*. Clifton Park, NY: Delmar.  
629.23 T37

Wood, A., & Salib, R. (2013). *Natural ventilation in high-rise office buildings*. New York : Routledge.  
697.9523 W85

## Engineering Math & Other Branches of Engineering

Brown, J., Caligari, P. D. S., & Campos, H. A. (2014). *Plant breeding*. 2<sup>nd</sup> ed. Hoboken, NJ : John Wiley & Sons Ltd.  
631.52 B81

Fischer, D., & Moriarty, T. (2014). *Pesticide risk assessment for pollinators*. Chichester, West Sussex : Wiley Blackwell.  
638.159 P43

Oliver, R. P., & Hewitt, H. G. (2014). *Fungicides in crop protection*. 2<sup>nd</sup> ed. Boston, MA : CABI.  
632.952 OI43

Selim, H. M. (2015). *Transport & fate of chemicals in soils principles & applications*. Boca Raton : CRC Press.  
631.43 Se48

Sharma, N. (2014). *Biological controls for preventing food deterioration : Strategies for pre- and postharvest management*. Chichester, West Sussex, UK ; Hoboken, NJ : Wiley Blackwell.  
632.960284 B52

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