

Sem 2 2016 Booklist - Science and Engineering Faculty

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Longitude: the true story of a lone genius who solved the greatest scientific problem of his time, by Dava Sobel, 2005

[Book](#) | UDB384 GP Prescribed Est. Enrol't: 1; UDB384 GP Prescribed Est. Enrol't: 1

Linear Algebra, by Seymour Lipschutz; Marc Lipson, Nov. 2012

[Book](#) | MXB106 GP Prescribed Est. Enrol't: 280

Engineering economy, by Leland T. Blank; Anthony J. Tarquin, c2012

[Book](#) | ENB472 GP Recommended Est. Enrol't: 180

Manufacturing planning and control for supply chain management, by F. Robert Jacobs, 2011

[Book](#) | ENN570 GP Recommended Est. Enrol't: 70

Fundamentals of structural analysis, by Kenneth Leet; Chia-Ming Uang; Anne M. Gilbert, c2011

[Book](#) | ENB276 GP Recommended Est. Enrol't: 150

Introduction to MATLAB for engineers, by William J. Palm, c2011

[Book](#) | MZB126 GP Recommended Est. Enrol't: 550

Operations management, by William J. Stevenson, 2014

[Book](#) | ENB333 GP Prescribed Est. Enrol't: 80

Orbital mechanics for engineering students, by Howard D. Curtis, 2014

[Book](#) | ENB357 GP Recommended Est. Enrol't: 20

Plant systematics, by Michael G. Simpson, c2010

[Book](#) | BVB224 GP Prescribed Est. Enrol't: 35

Biomaterials science: an introduction to materials in medicine, by B. D. Ratner, 2013

[Book](#) | ENB338 GP Recommended Est. Enrol't: 35

Soils: an introduction, by Michael J. Singer; Donald N. Munns, c2006

Book | EVB212 GP Recommended Est. Enrol't: 50

Mind on statistics, by Helen MacGillivray; Jessica M. Utts; Robert F. Heckard, 2014

Book | SEB113 GP Recommended Est. Enrol't: 100

Conservation biology in Australia: an introduction, by T. R. New; T. R. New, c2006

Book | BVB311 GP Recommended Est. Enrol't: 15

Nonlinear ordinary differential equations: an introduction for scientists and engineers, by D. W. Jordan; Peter Smith, 2007

Book | MXB323 GP Prescribed Est. Enrol't: 20

Evolution: an introduction, by S. C. Stearns; Rolf F. Hoekstra, 2005

Book | BVB102 GP Recommended Est. Enrol't: 160

Maths for chemistry: a chemist's toolkit of calculations, by Paul M. S. Monk; Lindsey J. Munro, 2010

Book | CZB190 GP Recommended Est. Enrol't: 35; CVB101 GP Reference Est. Enrol't: 280; CVB203 GP Recommended Est. Enrol't: 45

Statistics and scientific method: an introduction for students and researchers, by Peter Diggle; Amanda Chetwynd, 2011

Book | SEB113 GP Recommended Est. Enrol't: 100

Atkins' physical chemistry, by Peter W. Atkins; Julio De Paula, ©2014

Book | CVB203 GP Prescribed Est. Enrol't: 45

Bringing fossils to life: an introduction to paleobiology, by Donald R. Prothero, 2013

Book | ERB102 GP Recommended Est. Enrol't: 110

Fluid mechanics, by John F. Douglas, 2011

Book | ENB280 GP Recommended Est. Enrol't: 200

Power electronics: devices, circuits and applications, by Muhammad H. Rashid; Narendra Kumar; Ashish R. Kulkarni, 2014

Book | ENB344 GP Recommended Est. Enrol't: 130

How to improve your maths skills, by Steve Lakin, 2011

Book | MZB190 KG Recommended Est. Enrol't: 250

Electrical engineering: principles and applications, by Allan R Hambley, c2014

Book | EGB120 GP Recommended Est. Enrol't: 650; EGB348 GP Prescribed Est. Enrol't: 90; EGD120 KG Prescribed Est. Enrol't: 20

Introduction to computer security, by Matt Bishop, c2005

Book | CAB240 GP Recommended Est. Enrol't: 380

Why buildings stand up: the strength of architecture, by Mario G. Salvadori; Saralinda Hooker; Christopher Ragus, 2002, 1990, c1980

Book | UXB212 GP Recommended Est. Enrol't: 90

Why buildings fall down: how structures fail, by Matthys Levy; Mario George Salvadori, c2002

[Book](#) | UXB212 GP Recommended Est. Enrol't: 90

Earth: portrait of a planet, by Stephen Marshak, 2015

[Book](#) | ERB101 GP Prescribed Est. Enrol't: 120

Planning and design of engineering systems, by G. C. Dandy, 2008

[Book](#) | EGB123 GP Prescribed Est. Enrol't: 500;ENB476 GP Recommended Est. Enrol't: 150

Property valuation and analysis, by R. T. M. Whipple, c2006

[Book](#) | USB245 GP Recommended Est. Enrol't: 60

Australian property investment and financing, by Patrick Rowland, c2010

[Book](#) | USB245 GP Recommended Est. Enrol't: 60

Cost and value management in projects, by Ray R. Venkataraman; Jeffrey K. Pinto, 2008

[Book](#) | BEB113 GP Recommended Est. Enrol't: 50

Hydrogeology: principles and practice, by K. M. Hiscock; V. F. Bense, 2014

[Book](#) | ERB310 GP Recommended Est. Enrol't: 30

Basin analysis: principles and application to petroleum play assessment, by P. A. Allen; John R. Allen, 2013, ©2013

[Book](#) | ERB303 GP Prescribed Est. Enrol't: 20

Nuclear and particle physics, by B. R. Martin, 2009

[Book](#) | PVB303 GP Prescribed Est. Enrol't: 20

Analytical chemistry, by Gary D. Christian; Purnendu Dasgupta; Kevin Schug, 2014

[Book](#) | CVB210 GP Prescribed Est. Enrol't: 10

Power electronics: converters, applications, and design, by Ned Mohan; Tore M. Undeland; William P. Robbins, c2003

[Book](#) | ENB344 GP Recommended Est. Enrol't: 130

Introduction to engineering: modeling and problem solving, by Jay B. Brockman, c2009

[Book](#) | EGD126 KG Recommended Est. Enrol't: 20;MZB126 GP Recommended Est. Enrol't: 550

A first course in the finite element method, by Daryl L Logan; K. K Chaudhry, c2012

[Book](#) | ENB474 GP Recommended Est. Enrol't: 80

The art of electronics, by Paul Horowitz; Winfield Hill, 2015

[Book](#) | EGB120 GP Recommended Est. Enrol't: 650;EGB348 GP Recommended Est. Enrol't: 90

Name that flower: the identification of flowering plants, by Ian Clarke; Helen Lee, c2003

[Book](#) | BVB224 GP Recommended Est. Enrol't: 35

Finite element analysis: theory and practice, by M. J. Fagan, 1992

Book | ENB474 GP Prescribed Est. Enrol't: 80

Introduction to ore-forming processes, by L. J. Robb, 2005

Book | ERB306 GP Highly Recommended Est. Enrol't: 40

Real property in Australia: foundations and application, by Michael J. Hefferan; Australian Property Institute, 2013

Book | USB140 GP Prescribed Est. Enrol't: 30

Australian pump technical handbook, by Pump Industry Australia Incorporated, 2013

Book | EGB360 GP Recommended Est. Enrol't: 80

The valuation of real estate, by Australian Property Institute, 2008

Book | USB140 GP Prescribed Est. Enrol't: 30

Chemistry, by Allan G. Blackman; Steven E. Bottle; Siegbert Schmid; Mauro Mocerino; Uta Wille, 2016

Book | CVB102 GP Prescribed Est. Enrol't: 200

Engineering your future: an Australasian guide, by David Graeme Dowling; R. G. Hadgraft; Anna Carew; Tim McCarthy; D. J. Hargreaves; Caroline Baillie, 2016

Book | EGB100 GP Prescribed Est. Enrol't: 300

Detection Theory: Applications and Digital Signal Processing, by Ralph Dieter Hippenstiel, Nov. 2001

Book | ENB448 GP Recommended Est. Enrol't: 20

Valuation principles and practice, by Australian Property Institute, 2007

Book | USB140 GP Prescribed Est. Enrol't: 30

Botanical field guide, by Stefan Mager; Geoff Burrows, 2009

Book | BVB224 GP Recommended Est. Enrol't: 35

AGILE PROJECT MANAGEMENT HANDBOOK VOLUME 2, 2014

Book | IFN700 GP Recommended Est. Enrol't: 120

Structural geology, by Haakon Fossen, 2016

Book | ERB204 GP Recommended Est. Enrol't: 50

Effective negotiation: from research to results, by Railton Edward Fells, 2016

Book | UXB232 GP Prescribed Est. Enrol't: 50

Project management: a systems approach to planning, scheduling, and controlling, by Harold Kerzner, 2013

Book | BEB112 GP Recommended Est. Enrol't: 70

Operating system concepts, by Abraham Silberschatz; Peter B. Galvin; Greg Gagne, 2013

Book | CAB403 GP Recommended Est. Enrol't: 90

The organic chem lab survival manual: a student's guide to techniques, by James W.

Zubrick, 2014

Book | CVB204 GP Recommended Est. Enrol't: 50

Control systems engineering, by Norman S. Nise, 2015

Book | EGB345 GP Prescribed Est. Enrol't: 140;ENB313 GP Prescribed Est. Enrol't: 240

Calculus: early transcendentals, by Howard Anton; Irl Bivens; Stephen Davis, c2012

Book | MXB105 GP Prescribed Est. Enrol't: 200

Physics, by John D. Cutnell; Kenneth W. Johnson; David Young; Shane Stadler, 2015

Book | PCB150 GP Recommended Est. Enrol't: 240

Engineering mechanics: Volume 2: Dynamics, by J. L. Meriam; L. G. Kraige, c2013

Book | EGB211 GP Prescribed Est. Enrol't: 250

Australian environmental planning: challenges and future prospects, edited by Jason Byrne; Neil G. Sipe; Jago Dodson, 2014

Book | UXB331 GP Prescribed Est. Enrol't: 110

Fluid mechanics: fundamentals and applications, by Yunus A. Çengel; John M. Cimbala, 2013

Book | EGB323 GP Prescribed Est. Enrol't: 300;ENB280 GP Recommended Est. Enrol't: 200;ENB321 GP Recommended Est. Enrol't: 170

Principles of information security, by Michael E. Whitman; Herbert J. Mattord, 2015

Book | CAB240 GP Recommended Est. Enrol't: 380

General, organic, and biological chemistry, by H. Stephen Stoker, 2016

Book | CZB190 GP Recommended Est. Enrol't: 35

C# programming: from problem analysis to program design, by Barbara Doyle, 2016

Book | CAB201 GP Recommended Est. Enrol't: 400

Interactive computer graphics: a top-down approach with WebGL, by Edward Angel; Dave Shreiner; Arup Bhattacharya; Soumen Mukherjee, 2015

Book | INB381 GP Prescribed Est. Enrol't: 50

Environmental science: toward a sustainable future, by Richard T. Wright; Dorothy F. Boorse, 2014

Book | EVB102 GP Recommended Est. Enrol't: 150

Principles of sedimentology and stratigraphy, by Sam Boggs, 2014

Book | ERB203 GP Prescribed Est. Enrol't: 40

An introduction to modern astrophysics, by Bradley W Carroll; Dale A. Ostlie, 2014

Book | PVB220 GP Prescribed Est. Enrol't: 15

Fluid power with applications, by Anthony Esposito, 2014

Book | ENB321 GP Recommended Est. Enrol't: 170;ENB436 GP Recommended Est. Enrol't: 10

Organic chemistry, by Paula Yurkanis Bruice, 2014

Book | CVB204 GP Recommended Est. Enrol't: 50

Database systems: a practical approach to design, implementation and management, by Thomas M. Connolly; Carolyn E. Begg, 2014

Book | IAB130 GP Prescribed Est. Enrol't: 360

Digital fundamentals, by Thomas L Floyd, 2015

Book | EGB348 GP Recommended Est. Enrol't: 90

Sears and Zemansky's university physics: with modern physics, by Hugh D. Young; Roger A. Freedman; A. Lewis Ford; Francis Weston Sears; Mark Waldo Zemansky, 2016

Book | PVB101 GP Prescribed Est. Enrol't: 220;PVB102 GP Prescribed Est. Enrol't: 250

Essential university physics, by Richard Wolfson, 2016]-

Book | EGD113 KG Prescribed Est. Enrol't: 20

Principles of foundation engineering: SI edition, by Braja M. Das, 2015

Book | ENB371 GP Prescribed Est. Enrol't: 300

CompTIA® Network+ guide to networks, by Jill West; Tamara Dean; Jean Andrews, c2016

Book | IFN507 GP Prescribed Est. Enrol't: 75

Guide to networking essentials, by Greg Tomsho, 2016

Book | CAB303 GP Prescribed Est. Enrol't: 150

Ecology: from individuals to ecosystems, by Michael Begon; Colin R. Townsend; John L. Harper, 2006

Book | BVB204 GP Prescribed Est. Enrol't: 70

Discrete random signal processing and filtering primer with MATLAB, by Alexander D. Poularikas, 2008

Book | ENB448 GP Recommended Est. Enrol't: 20

Biology of plants, by Peter H. Raven; Ray Franklin Evert; Susan E Eichhorn, 2013

Book | BVB203 GP Prescribed Est. Enrol't: 90

Reinforced concrete basics: analysis and design of reinforced concrete structures, by Stephen Foster; Andrew Kilpatrick; R. F. Warner, 2010

Book | ENB276 GP Prescribed Est. Enrol't: 150

Introductory algebra and calculus, by Dann Mallet; Graham Pettet; Charisse Farr, ©2011

Book | EGD125 KG Prescribed Est. Enrol't: 20;MZB125 GP Recommended Est. Enrol't: 200;SEB113 GP Recommended Est. Enrol't: 100

Questions of science, by Andrew Baker, 2012

Book | SEB104 GP Recommended Est. Enrol't: 80

Organisational behaviour, by Stephen P. Robbins; Tim Judge; Bruce Millett; Maree Boyle, 2014

Book | PMN504 GP Recommended Est. Enrol't: 45;PMN602 GP Recommended Est.

Enrol't: 30

Clark's essential physics in imaging for radiographers, by Ken Holmes; Kathleen C. Clark; Marcus Elkington; Phil Harris, 2014

Book | PCB675 GP Recommended Est. Enrol't: 120

Earth materials, by Kevin Hefferan; John O'Brien, 2010

Book | ERB206 GP Prescribed Est. Enrol't: 25

Khan's the physics of radiation therapy, by Faiz M. Khan; John P. Gibbons, 2014

Book | PCN212 GP Recommended Est. Enrol't: 25

Campbell biology, by Jane B. Reece; Noel Meyers; Lisa A. Urry; Michael L. Cain; Steven A. Wasserman; Peter V. Minorsky; Robert B. Jackson; Bernard J. Cooke; Neil A. Campbell, 2014

Book | BVB101 GP Recommended Est. Enrol't: 200

Campbell biology, by Jane B. Reece; Noel Meyers; Lisa A. Urry; Michael L. Cain; Steven A. Wasserman; Peter V. Minorsky; Robert B. Jackson; Bernard J. Cooke; Neil A. Campbell, 2014

Book | BVB101 GP Recommended Est. Enrol't: 200

Management information systems: managing the digital firm, by Kenneth C. Laudon, 2016

Book | IFN504 GP Recommended Est. Enrol't: 25

Statics and mechanics of materials, by R. C. Hibbeler; R. C. Hibbeler; R. C. Hibbeler, 2015

Book | EGD121 KG Prescribed Est. Enrol't: 20; EGB121 GP Prescribed Est. Enrol't: 800

Excel: the basics+, by John Baker, 2011

Book | MZB190 KG Recommended Est. Enrol't: 250

Principles of structure, by K. J. Wyatt; Richard Hough, 2013

Book | UXB212 GP Recommended Est. Enrol't: 90

Cents and sustainability: securing our common future by decoupling economic growth from environmental pressures, by Michael H. Smith; Karlson Hargroves; Cheryl Desha, 2010

Book | BEN710 GP Recommended Est. Enrol't: 20

Positive development: from vicious circles to virtuous cycles through built environment design, by Janis Birkeland, c2008

Book | BEN710 GP Recommended Est. Enrol't: 20

Factor five: transforming the global economy through 80% improvements in resource productivity : a report to the Club of Rome, by Ernst U. von Weizsäcker; Club of Rome, 2009

Book | BEN710 GP Recommended Est. Enrol't: 20

Whole system design: an integrated approach to sustainable engineering, by Peter Stasinopoulos, 2009

Book | BEN710 GP Recommended Est. Enrol't: 20

Python for Rookies: a first course in programming, by Sarah Mount; James Shuttleworth; R.

Winder, c2008

[Book](#) | IFB104 GP Recommended Est. Enrol't: 650

Construction Extension to the PMBOK Guide, by Project Management Institute Staff;
Books24x7, Inc, June 2005

[Book](#) | BEB112 GP Recommended Est. Enrol't: 70

A guide to the project management body of knowledge (PMBOK guide), by Project
Management Institute, c2013

[Book](#) | BEB112 GP Recommended Est. Enrol't: 70; BEB113 GP Recommended Est. Enrol't:
50; BEN610 GP Recommended Est. Enrol't: 70

Robotics, vision and control: fundamental algorithms in MATLAB, by Peter Corke, 2011

[Book](#) | EGB339 GP Recommended Est. Enrol't: 120

Fundamentals of business process management, by Marlon Dumas; Marcello La Rosa; Jan
Mendling; Hajo A. Reijers, c2013

[Book](#) | IFN515 GP Prescribed Est. Enrol't: 50