

2016/17

ENGINEERING

CATALOGUE



www.juta.co.za

 **JUTA**
AND COMPANY (PTY) LTD



Together we can

HELP OUR NEXT GENERATION OF LEADERS GRADUATE

and go on to realise their full potential.

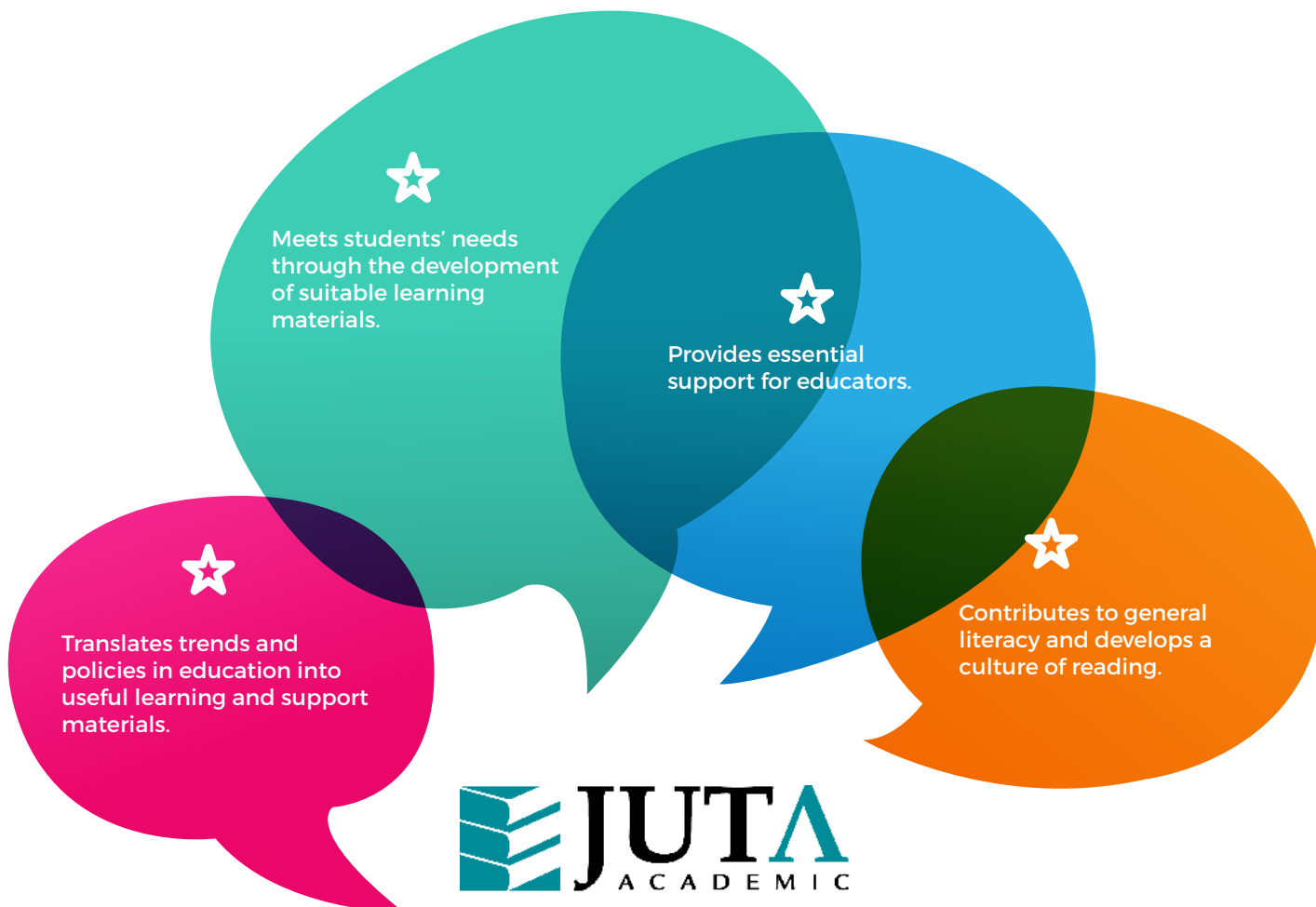
A number of hardworking and inspiring students' efforts were recognised and rewarded this year via the **#JutaGoingPlaces** and **#JutaPayItFwd** campaigns.

We would like to grow these campaigns and effect change in even MORE deserving students' lives.

We are inviting you to be part of the 2017 first semester campaign. To discuss how you can get involved please contact us at **jutagoingplaces@juta.co.za**

CONTENTS

4	INTRODUCTION
6	ENGINEERING TITLES
17	CONTACT INFORMATION
20	AUTHOR INDEX
20	TITLE INDEX
21	DESK/INSPECTION COPY REQUEST FORM



Juta continually strives to raise the bar for academic publishing to address the needs of the students, academics and professionals whom we serve. We share the national dream of making higher education more accessible to all, through contributing teaching and learning solutions that are of the highest quality while being affordable and relevant to southern African students and lecturers.



MORE ABOUT OUR PUBLISHING PROGRAMME:

- Juta offers a comprehensive selection of higher education content and teaching and learning resources, covering a wide range of disciplines with a variety of product types.
- Extensive lecturer support materials are available to support lecturer and student success.
- Juta products support academic literacy, develop professional competence and workplace readiness and our content focus assists in the decolonisation of curricula.
- Because we understand the need to upgrade South Africa's delivery capacity through distance education, we have designed our materials for education at a distance and self-directed learning.
- Juta customises print and electronic content to serve the specific needs of institutions and training providers with flexible, integrated, learning solutions.
- Juta is a wholly owned subsidiary of Kagiso Media. Dividends support the developmental endeavours of the Kagiso Education Trust and the Tiso Foundation in South Africa.
- Over the years we have developed a strong pool of highly qualified authors who are experts in their fields.
- We welcome comments from our readers and ideas from prospective authors. We regularly run author workshops, and are always ready to develop new talent because, ultimately, the people of southern Africa are our most valuable assets.

PROSPECTIVE AUTHORS

We are always interested in proposals for new books. Please send the relevant publisher a synopsis and an indication of the market for which your book is intended. Contact details appear on the opposite page.

CONTACT US

JUTA AND COMPANY (PTY) LTD

Head Office: 1st Floor, Sunclare Building, 21 Dreyer Street, Claremont, 7708

Tel: +27 (0) 21 659 2300 • Fax: +27 (0) 21 659 2360

Email: academic@juta.co.za • Website: www.juta.co.za • Twitter: @JutaAcademic • Facebook: Juta Academic

LinkedIn: Juta and Company • Instagram: @jutaandcompany • YouTube: Juta and Company



SUPPORT MATERIAL

Support material is made available to students and lecturers using Juta Academic textbooks at prescribing institutions. To gain access to support material lecturers need to register by creating a profile on bit.ly/jutaregister. Once you have submitted your registration, Juta will verify your details and then approve your access. Please allow two days for your request to be approved. Student support material is open to all and is accessible on the Juta Academic website.

Support material will vary per title but could include any of the following:



POWERPOINT®
PRESENTATIONS



INTERACTIVE
WORKBOOK



ONLINE
QUESTION BANKS



VIDEOS COVERING
CORE CONCEPTS



MOBILE-FRIENDLY
GLOSSARY



EXAM AND STUDY
SKILLS

To find out what support material is available for your title, visit the support material catalogue at bit.ly/jutaregister.

If you require any assistance you can email the support material team on supportmaterial@juta.co.za.



E-BOOKS

Many Juta titles are now available as e-books. We are able to make our e-books available to you through the most advanced e-book software in the world, VitalSource Bookshelf®, offering you three-way access to your books: download, online and mobile. For direct sales of licensed e-Product contact us at academic@juta.co.za. E-books are available in webpdf, e-Pub and mobi formats.

PRICES



Please note that all prices are applicable from July 2016 to June 2017. To download the electronic PDF of the Juta Engineering catalogue 2016/2017 go to www.jutaacademic.co.za or follow the QR Code. Prices are subject to change without prior notice.

ICON KEY



SOFT COVER



PRINTED
BOOK ISBN



WEB PDF ISBN



E-BOOK
ISBN



MOBI
ISBN



EDITION



LOOSE-LEAF



PAGES



SUITABLE FOR



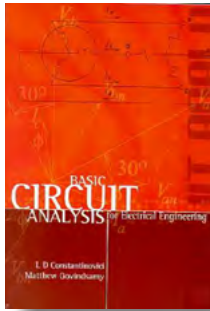
KEY FEATURES



AUTHOR/EDITOR
INFORMATION



DISTRIBUTION
RIGHTS



BASIC CIRCUIT ANALYSIS FOR ELECTRICAL ENGINEERING

LD CONSTANTINOVICI & M GOVINDSAMY



SOFT COVER 9780702152153



2000



240 PAGES



R 332.00

Basic Circuit Analysis for Electrical Engineering introduces fundamental concepts of engineering to students. Technical concepts are explained in plain language and the mathematics is clear and understandable, making it easy to follow the text. This book is essential reading for anyone looking to gain a firm grounding in electrical engineering.

KEY FEATURES

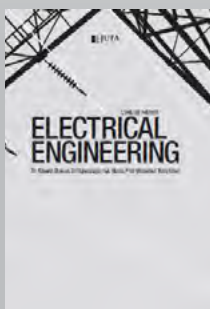


- Builds on an entry-level basic knowledge of electrical engineering
- Graphics are used to explain difficult concepts
- Promotes learning through stimulating activities
- Suitable for individual or group study
- Teaches principles by explicit examples
- Self-evaluation exercises assist the student throughout
- Outcomes and summaries support learner-centred learning
- Suitable for distance education.



SUITABLE FOR

- Suitable for undergraduate engineering students at universities and universities of technology, including distance education institutions.



CONCISE HIGHER ELECTRICAL ENGINEERING

E CHIKUNI, MTE KHAN & OI OKORO



SOFT COVER 9780702177231



2008



638 PAGES



R 405.00

Concise Higher Electrical Engineering provides students with both a thorough knowledge of the fundamentals of electrical engineering and an introduction to the practice of engineering. It integrates into one volume the most important topics in Electrical Engineering at university level, covering the entire Electrical Engineering curriculum.

KEY FEATURES



- The chapter on modelling or power systems compares manual examples with computerised methods
- Other chapters in this book include electrical distribution design, illumination and electrical network protection
- The chapter on industrial automation includes examples with real programmable controllers
- It includes a large number of examples and exercises
- The book contains a wealth of illustrations that aid the student's understanding of the subject matter.



SUITABLE FOR

- Undergraduate Electrical Engineering students at university or university of technology.

CONSTRUCTION MATERIALS FOR CIVIL ENGINEERING

E VAN AMSTERDAM



SOFT COVER 9780702197574 9780702197024



2e 2012



304 PAGES



R 373.00



Construction Materials for Civil Engineering 2e bridges the gap between school and university by providing practical examples and everyday concepts. These are applied to explain, in plain language, the fundamentals of civil engineering. The book has been fully revised and includes a new chapter on internal building materials.

CONTENTS

- Soils
- Concrete
- Bitumen
- Structural material: brick, timber, steel and aluminium
- Environmental issues
- Internal building construction materials used for finishes.

KEY FEATURES



- Clear language explains technical terminology and concepts
- Fully worked examples within each section
- Self-evaluation questions with answers are included in each section
- The process of constructing a house is used throughout the book as an example
- Suitable for both contact and distance education.

ABOUT THE AUTHOR



Errol van Amsterdam is a former lecturer at Cape Peninsula University of Technology and the owner and Managing Director of C2C Consulting Engineers. He holds a Masters degree in Engineering Management.

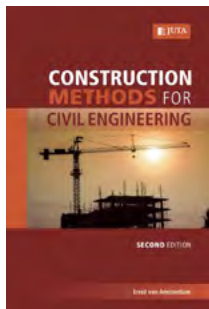


SUITABLE FOR

- Tertiary students studying towards a National Diploma or Bachelor's Degree in Civil Engineering.
- Essential reading for anyone looking to gain a firm grounding in the application of materials within the field of civil engineering in general.



If you are a teaching academic or course leader, you may request a **FREE inspection** copy to consider as textbooks for students on your course. The Request Form is at the back of this catalogue; alternatively, go to **bit.ly/jutainspection**



CONSTRUCTION METHODS FOR CIVIL ENGINEERING E VAN AMSTERDAM



SOFT COVER 9780702197703 9781485104131 R 341.00 2e 2013 288 PAGES



SUITABLE FOR

- Tertiary students who are studying towards a National Diploma or Bachelor's Degree in Civil Engineering.

Construction Methods for Civil Engineering explains, in plain language, the fundamentals of civil engineering through practical examples and everyday concepts. It has in-depth explanations of various civil engineering concepts and acknowledges the major shift of focus towards Expanded Public Works Programmes and employment creation. It encourages students to access virtual information through recommended websites and other sources of information. Civil engineering concepts are related to situations encountered in the field to enhance understanding of these concepts.

CONTENTS

- Earthworks
- Structures
- Road engineering
- Dams
- Bridges
- Tunnels
- Harbours
- Railways
- Airports
- Safety
- Drainage

KEY FEATURES

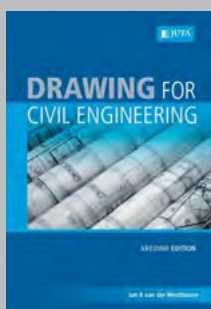


- Clear language explains technical terminology and concepts
- Assumes no prior knowledge of construction methods
- Self-evaluation questions with answers are included in each chapter.

ABOUT THE AUTHOR



Errol van Amsterdam is a former lecturer at Cape Peninsula University of Technology and the owner and Managing Director of C2C Consulting Engineers. He holds a Masters degree in Engineering Management.



DRAWING FOR CIVIL ENGINEERING JA VAN DER WESTHUIZEN



SOFT COVER 9780702188732 9780702195655 2e 2011 288 PAGES R 369.00



SUITABLE FOR

- Civil engineering students and students in related disciplines
- Educators and draughts people, practising engineers, fabricators, and contractors.

Drawing for Civil Engineering is a practical, up-to-date, introductory text for engineering students. It covers the fundamentals of drawing, as well as draughting practice and conventions. Technical terms are explained in plain language, making it easy and enjoyable to read.

KEY FEATURES



- Builds on a basic knowledge of drawing principles
- Step-by-step guidance throughout the text
- Teaches principles via explicit examples
- Self-evaluation exercises assist students throughout
- Introduces the use of CAD and COMPACT software.

DRAWING FOR ENGINEERING

P SMITH



SOFT COVER 9780702144066



2000



200 PAGES

ZAR

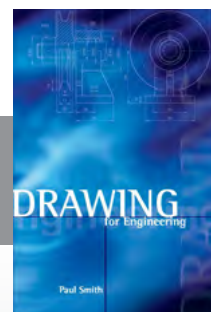
R 375.00

Based on the South African Bureau of Standards Code of Practice for Engineering Drawing (SABS 0111), this book is a step-by-step guide to drawing techniques. It teaches both technical drawing and freehand sketching, and has special units with applications for mechanical and chemical engineering.

KEY FEATURES



- Graphics are used to explain difficult concepts
- Promotes learning through stimulating activities
- Suitable for individual or group study
- Teaches principles via explicit examples
- Self-evaluation exercises support the learner throughout
- Answers provided to all exercises and activities.



SUITABLE FOR

- First-year engineering students or related disciplines.
- Anyone looking to gain a firm grounding in one of the key disciplines of engineering.

ENGINEERING THERMODYNAMICS

JA LEACH



SOFT COVER 9780702172595



9780702196775



2007



176 PAGES

ZAR

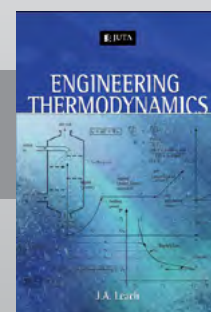
R 283.00

Engineering Thermodynamics deals with the application of these laws to power-generating plants, such as coal-fired power stations. It is an important subject that has serious implications for our future industrial development.

KEY FEATURES



- Short chapters so that the desired outcomes can be easily followed
- Ample worked examples followed by self-assessment exercises with answers
- Important terms summarised in a glossary for easy reference.



ESSENTIAL MATLAB & SIMULINK, THE

- FOR ENGINEERS AND SCIENTISTS

E CHIKUNI & OI OKORO



SOFT COVER 9780702177644



9780702196782



2010



240 PAGES

ZAR

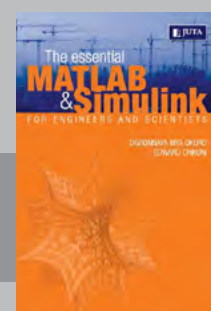
R 522.00

MATLAB is a software package for high-performance computation. Combined with Simulink, this is a de-facto industry standard for the analysis, modelling and visualising of complex systems.

KEY FEATURES



- Real-life examples and systems to enhance understanding
- Exercises at the end of each chapter to test your understanding of the concepts
- Extended coverage of engineering applications
- References for additional reading.



SUITABLE FOR

- Engineers, scientists and those in the financial sector who want to grasp the essence of systems modelling and computation.

TOP

ENGINEERING TITLES

FROM JUTA ACADEMIC



INTRODUCTION TO ENGINEERING SURVEYING, AN

K LANDMAN, T HUNTER & J JACKSON



SOFT COVER 9780702188725 9780702196577 1e 2012 256 PAGES R 373.00

An Introduction to Engineering Surveying covers a wide range of spatial measurement methods that support civil engineering planning. The methods described include levelling, traversing, satellite surveying, preparation of topographic maps and setting out of roads, construction platforms and reservoirs.

CONTENTS

- Introduction to engineering surveying
- The South African survey reference system and basic co-ordinate calculations
- Angle and distance measurement
- Traversing using a total station
- Calculations on the projection
- Satellite surveying
- Cadastral surveying
- The determination of heights
- Circular curves
- Transition curves
- Vertical curves
- Construction surveying
- Topographical surveys

KEY FEATURES



- The map co-ordinate conventions adopted in southern African survey datums are used throughout. The reader is also introduced to the international UTM co-ordinate system as well as to geographical co-ordinates
- The Cape, Hart94 and ITRF survey datums as well as modern control system support through VRS are described
- The cadastral methods used in South Africa and most SADC countries are described
- All methods and techniques are illustrated and explained.

ABOUT THE AUTHORS



Koos Landman is a senior lecturer and programme co-ordinator at Mangosuthu University of Technology for the Surveying Programme.

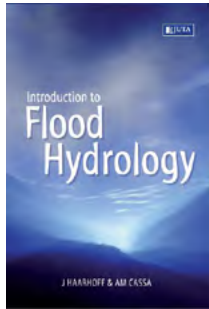
Terry Hunter is a senior lecturer and survey co-ordinator at Durban University of Technology.

Jonathan Jackson is a retired senior lecturer from the University of KwaZulu-Natal with teaching experience at three other universities.



SUITABLE FOR

- Civil Engineering and Geomatics or Land Surveying tertiary students who are studying towards a Bachelor's Degree or a National Diploma.



INTRODUCTION TO FLOOD HYDROLOGY

J HAARHOFF & A CASSA



SOFT COVER 9780702177606



2009



152 PAGES



R 310.00



SUITABLE FOR

- Undergraduate Hydrology students who are studying towards a Bachelor's Degree or a National Diploma.

Introduction to Flood Hydrology brings together in a single volume all the formulae, maps and graphs necessary for a comprehensive understanding of flood hydrology, amply illustrated by worked examples. The flood estimation methods it contains were developed specifically for South African conditions. While the book retains its focus on fundamental principles, it introduces readers to a rich matrix of data and methods available to the South African hydrologist, thereby serving as a valuable reference tool for practising engineers, technologists and technicians.

KEY FEATURES



- Learning outcomes at the start of each section to indicate what you will achieve
- A summary formula hand-out sheet is provided to be used by lecturers during tests and examinations
- Fully worked examples at the end of each section
- Comprehensive coverage of flood estimation methods: all the empirical, deterministic and probabilistic methods commonly used in South African practice are presented
- Flood routing procedures to allow the routing of floods through rivers and dams
- Boxed hydrology equations for convenient reference and review at the end of each section.



INTRODUCTORY DIGITAL SYSTEMS FOR ENGINEERING

MR BERA



SOFT COVER 9780702144059



2000



276 PAGES



R 341.00



SUITABLE FOR

- Digital Systems tertiary students who are studying towards a Bachelor's Degree or a National Diploma.

Introductory Digital Systems for Engineering teaches the principles and techniques of digital systems through a range of examples. It has step-by-step solutions to exercises and over 200 practical examples, activities and self-evaluation exercises to assist the learner. A glossary of important terms makes it easily accessible to the new learner.

KEY FEATURES



- No prior knowledge of digital systems is required
- Graphics are used to explain difficult concepts
- Teaches principles and techniques through a range of examples
- Suitable for individuals or groups and for distance education
- Over 200 practical examples, activities and self-evaluation exercises assist the learner
- Glossary of important terms.

INTRODUCTORY ELECTRONICS FOR ENGINEERING

M PODGES



SOFT COVER 9780702152146



2000



274 PAGES



R 340.00

This book introduces students to all the basics of electronics. After working through this book, a student will have a good knowledge of DC power supplies, signal/function generators, digital multimeters, oscilloscopes and low-power analogue electronic devices.

KEY FEATURES



- No prior knowledge of electronics is required
- Graphics are used to explain difficult concepts
- Promotes learning through stimulating activities
- Suitable for individual or group study
- Teaches principles via explicit examples
- Self-evaluation exercises support the learner throughout
- Answers provided to all exercises and activities.



SUITABLE FOR

- Engineering students requiring a basic knowledge of Electronics who are studying towards a Bachelor's Degree or a National Diploma.



Receive regular up-to-date information about our new titles by signing up for newsletters, notifications of new editions and other information of interest to you at www.jutaacademic.co.za/register



MANAGEMENT FOR ENGINEERS, TECHNOLOGISTS AND SCIENTISTS

WP NEL (EDITOR)



SOFT COVER 9780702186882 9780702195723 3e 2012 520 PAGES R 546.00



SUITABLE FOR

- Senior undergraduate engineering students and those working in an engineering discipline
- An invaluable tool for the existing or aspirant technical manager.

Management for Engineers, Technologists and Scientists introduces the reader to management and related issues, which are essential when dealing with customers, suppliers, contractors, accountants and managers, either inside or outside of an organisation.

CONTENTS

- The Environment in which Technical People Work
- Principles of General Management
- Human Resource Management
- The Impact of Employment Relations and Labour Legislation on an Organisation
- Managing People and Teams
- Engineering Contracts and Law
- Operations Management
- Total Quality Management
- An Introduction to Safety Management
- Maintenance Management
- Marketing and Diffusion of Innovation
- The Engineer, User of Information and Communication Systems
- Principles of Project Management
- Introduction to Accounting, Economics, Financial Management and Budgeting
- Cost Estimating, Cost Engineering and Cost Management
- Time Value of Money and Project Selection
- Business and Technology Strategy
- Managing Technology and Innovation
- An Overview of Environmental Management and Sustainable Development Concepts for Management Practices
- Entrepreneurship
- Ethics for Engineering Professionals
- Glossary, Industry Terms and Acronyms

KEY FEATURES



- This edition has been substantially revised
- All-new chapter on engineering ethics
- Additional information vital to those working in small- and medium-sized enterprises.

ABOUT THE EDITOR



Willem (Willie) P Nel is a senior lecturer and the coordinator for Mining at the University of South Africa's School of Engineering. He holds qualifications in mining, management, physical and mathematical sciences, and economics.

MECHANICS FOR ENGINEERING

H FAWKES



SOFT COVER 9780702144073



1999



404 PAGES



R 373.00

This book introduces all the basic concepts of mechanics – from measurement accuracy, through the concepts of moments and equilibrium, gravity and friction, to the application of momentum and impulse.

KEY FEATURES



- Graphics are used to explain difficult concepts
- Promotes learning through stimulating activities
- Suitable for individual or group study
- Teaches principles via explicit examples
- Self-evaluation exercises support the learner throughout
- Answers provided to all exercises and activities.



SUITABLE FOR

- Engineering students requiring a basic knowledge of the basic concepts of mechanics who are studying towards a Bachelor's Degree or a National Diploma.

SANITARY PLUMBING SERVICES IN SOUTH AFRICA

BH CLARK



SOFT COVER 9780702127588



3e 1998



175 PAGES



R 293.00

This is the first book published in South Africa that deals comprehensively with the engineering aspects of hot and cold water reticulation, sanitary plumbing above ground and drains below ground. Many years of experience of architectural practice and a careful examination of the current thinking of experts in the field, have enabled the author to establish the critical areas of knowledge and to present this in an easily followed and comprehensively illustrated text.

KEY FEATURES



- The best present-day practices are explained
- Practical diagrams are found throughout the text
- The work traces the evolution of plumbing, enabling the reader to comprehend regulations in force
- The high pressure balanced hot-cold reticulation, with a detailed examination of layout considerations, material selection and all important issues of control fittings and pipe sizings
- Various sanitary plumbing discharge systems are examined, leading to the advanced single stack pipe system and closed drainage system that eliminates complex, wasteful and unsightly pipe work, maintenance, manholes and open gullies.





Management for Engineers, Technologists and Scientists

WP NEL (EDITOR)



SOFT COVER 9780702186882 9780702195723 3e 2012 520 PAGES R 546.00

Management for Engineers, Technologists and Scientists third edition introduces the reader to management and related issues, which are essential when dealing with customers, suppliers, contractors, accountants and managers, either inside or outside of an organisation.

JUTA
AND COMPANY (PTY) LTD

CONTACT INFORMATION

PUBLISHING

PUBLISHING MANAGER HYREATH ANDERSON

PO Box 14373, Lansdowne, 7779, Cape Town
Tel: +27 (0) 21 659 2497 • Cell: 083 266 1843
Email: handerson@juta.co.za

PUBLISHERS

JAYDE BUTLER (COMPUTING/BUSINESS INFORMATION SYSTEMS, ECONOMICS, HUMAN RESOURCES, MATHEMATICAL SCIENCES AND STATS)

PO Box 14373, Lansdowne, 7779, Cape Town
Tel: +27 (0) 21 659 2306 • Cell: 082 650 2901
Email: jbutler@juta.co.za

LYNN KOCH (EDUCATION, PSYCHOLOGY, RESEARCH, SOCIAL SCIENCES)

PO Box 14373, Lansdowne, 7779, Cape Town
Tel: +27 (0) 21 659 2426 • Cell: 083 564 4920
Email: lkoch@juta.co.za

CHRIS LAWRENCE (ACCOUNTING, AUDITING, CORPORATE GOVERNANCE, FINANCE, TAX)

PO Box 14373, Lansdowne, 7779, Cape Town
Tel: +27 (0) 21 659 2489 • Cell: 076 606 9908
Email: clawrence@juta.co.za

PHILLIP LIEBENBERG (BUSINESS MANAGEMENT AND ENTREPRENEURSHIP, MARKETING, RETAIL AND SALES)

PO Box 39412, Moreleta Park, 0044, Pretoria
Tel: +27 (0) 12 997 5754 • Cell: 083 399 2030
Email: pliebenberg@juta.co.za

WILLEMEN JANSEN (HEALTH)

PO Box 14373, Lansdowne, 7779, Cape Town
Tel: +27 (0) 21 659 2375 • Cell: 063 502 1944
Email: wjansen@juta.co.za

CORINA PELSER (COMMUNICATION, ENGINEERING, HOSPITALITY AND TOURISM, PUBLIC ADMINISTRATION)

PO Box 14373, Lansdowne, 7779, Cape Town
Tel: +27 (0) 21 659 2347 • Cell: 071 604 4054
Email: cpelser@juta.co.za

SANDY SHEPHERD (UCT PRESS)

PO Box 14373, Lansdowne, 7779, Cape Town
Tel: +27 (0) 21 659 2581
Email: sshepherd@juta.co.za

MARKETING

STRATEGIC MARKETING MANAGER MABEL MNENSA

PO Box 24299, Lansdowne, 7779, Cape Town
Tel: +27 (0) 21 659 2354 • Cell: +27 (0) 72 828 2594
Email: mmnensa@juta.co.za

SALES

SALES MANAGER MICHELLE SYMINGTON

PO Box 24299, Lansdowne, 7779, Cape Town
Tel: +27 (0) 21 659 2584 • Cell: +27 (0) 83 450 2789
Email: msymington@juta.co.za

SALES CONSULTANTS

GAUTENG, NORTH-WEST AND PRETORIA MARIE BOTHA

Block A, Sandton Close 2, 3rd Floor, c/o 5th & Norwich Road, Sandton, 2196
Tel: +27 (0) 11 217 7234 • Cell: 083 399 9042
Email: mbotha@juta.co.za

KWAZULU-NATAL, FREE STATE, GAUTENG, EASTERN CAPE AND NORTHERN CAPE JENNIE BOWEN

60 Wilkes Road, Prestbury, Pietermaritzburg, 3201
Cell: 083 367 9720
Email: jbowen@juta.co.za

KWAZULU-NATAL, EASTERN CAPE, MPUMALANGA, LESOTHO & SWAZILAND GLADMAN BUTHELEZI

Office 101A, 1st Floor, Clifton Place, 19 Hurst Grove, Musgrave, Durban, 4001
Tel: +27 (0) 31 201 0671 • Cell: 083 702 2425
Email: gbuthlezi@juta.co.za

WESTERN CAPE, EASTERN CAPE (PORT ELIZABETH), SOUTHERN CAPE AND NAMIBIA JANINE GENTLE

1st Floor, Sunclare Building, 21 Dreyer Street, Claremont, 7708
Tel: +27 (0) 21 659 2300 • Cell: 072 375 8006
Email: jgentle@juta.co.za

GAUTENG, LIMPOPO, MPUMALANGA AND BOTSWANA PIETER SMITH

Block A, Sandton Close 2, 3rd Floor, c/o 5th & Norwich Road, Sandton, 2196
Tel: +27 (0) 11 217 7200 • Cell: 083 283 7055
Email: psmith@juta.co.za

CUSTOMER SERVICES

1st Floor, Sunclare Building, 21 Dreyer Street, Claremont, 7708
Tel: +27 (0) 21 659 2300 • Fax: +27 (0) 21 659 2360
Email: cserv@juta.co.za • Website: www.juta.co.za



Our Juta Academic Survival Kit is filled with exam and study skills to help students master campus life.

The first day at university can be overwhelming and stressful, it is therefore a good idea to be as prepared as possible.

YOU CAN VIEW IT AT bit.ly/JutaSurvivalKit

**CAN'T FIND
A TITLE
YOU'RE LOOKING FOR?**



CONTACT US ONLINE

www.juta.co.za



@JutaAcademic



Juta Academic



Juta and Company



jutaandcompany



Juta and Company



AUTHOR INDEX

B

Bera MR, 12

C

Cassa A, 12
Chikuni E, 6, 9
Clark BH, 15
Constantinovici LD, 6

F

Fawkes H, 15

G

Govindsamy M, 6

H

Haarhoff J, 12
Hunter T, 11

J

Jackson J, 11

K

Khan MTE, 6

L

Landman K, 11
Leach JA, 9

N

Nel WP, 14, 16

O

Okoro OI, 6, 9

P

Podges M, 13

S

Smith P, 9

V

van Amsterdam E, 7, 8
van der Westhuizen JA, 8

TITLE INDEX

B

Basic Circuit Analysis for Electrical Engineering, 6

C

Concise Higher Electrical Engineering, 6
Construction Materials for Civil Engineering, 7
Construction Methods for Civil Engineering, 8

D

Drawing for Civil Engineering, 8
Drawing for Engineering, 9

E

Engineering Thermodynamics, 9
Essential MATLAB/Simulink, The — For Engineers and Scientists, 9

I

Introduction to Engineering Surveying, An, 11
Introduction to Flood Hydrology, 12
Introductory Digital Systems for Engineering, 12
Introductory Electronics for Engineering, 13

M

Management for Engineers, Technologists and Scientists, 14, 16
Mechanics for Engineering, 15

S

Sanitary Plumbing Services in South Africa, 15

DESK/INSPECTION COPY REQUEST FORM

Tel: +27 (0) 21 659 2300 Fax: +27 (0) 21 659 2360 Email: academic@juta.co.za

DESK COPIES

vs

INSPECTION COPIES

Request a desk copy if you currently prescribe the book. If there is more than one lecturer per course, the number of copies issued will be determined by the number of students.

Request an inspection copy if you are in a position to prescribe the book. Include a copy of the course outline when submitting your request and tell us what is currently being prescribed in the space provided below. The inspection copy will be collected from you should you decide not to prescribe it for your course.

REQUIRED TITLES

TITLE/S	ISBN	COURSE/S	NO. OF STUDENTS	DESK COPY (X)	INSPECTION COPY (X)

TITLES CURRENTLY PRESCRIBED AND BRIEF COURSE OUTLINE

LECTURER'S DETAILS

Name of lecturer: _____ Designation: _____
 Faculty/Department: _____ Institution: _____
 Cell: _____ Email: _____
 Delivery address: _____
 _____ Date: _____

☐ Please tick here if you would not like to be added to our mailing list.

PLEASE NOTE

- To qualify for a desk or inspection copy, you must be a lecturer at a recognised tertiary institution and either prescribe or be in a position to prescribe the book requested.
- We will not be able to consider your request unless all information is supplied.
- Please attach a course outline for inspection copy requests.
- Return form on:
 Fax: 021 659 2360 or Email: academic@juta.co.za
 To request an inspection copy online go to bit.ly/jutainspection

AREA OF INTEREST

<input type="checkbox"/> Accounting & Finance	<input type="checkbox"/> Business & Commerce	<input type="checkbox"/> Communication	<input type="checkbox"/> Law
<input type="checkbox"/> Education	<input type="checkbox"/> Engineering	<input type="checkbox"/> Health	<input type="checkbox"/> Other
<input type="checkbox"/> Hospitality & Tourism	<input type="checkbox"/> Public Administration	<input type="checkbox"/> Social Sciences	_____

FOR FURTHER ENQUIRIES CONTACT THE SALES CONSULTANT IN YOUR AREA

Gauteng, North-West, Northern Cape and Pretoria

Marie Botha • Cell: 083 399 9042

KwaZulu-Natal, Free State, Gauteng and Eastern Cape

Jennie Bowen • Cell: 083 367 9710

KwaZulu-Natal, Eastern Cape, Mpumalanga, Lesotho & Swaziland

Gladman Buthelezi • Cell: 083 702 2425

Western Cape, Eastern Cape (Port Elizabeth), Southern Cape and Namibia

Janine Gentle • Cell: 072 375 8006

Gauteng, Free State, Limpopo, Mpumalanga and Botswana

Pieter Smith • Cell: 083 283 7055

How to get your course's prescribed and recommended books in time

Name and contact details of lecturers

If we have the names and contact details of lecturers, we can keep them up to date on current editions of books and other relevant information (price changes, books going out of print, etc). We can then also make sure that lecturers know about and have access to desk copies and any lecturer and student support material that might be available.

Only prescribing lecturers have access to support material, so if we know who the lecturers of a course are, we can give them timeous access to support material. It also gives us enough time to supply desk copies.

Course code, start date and estimated student numbers

To make sure that we have enough stock printed for prescriptions of a particular textbook around the country, it is important that we know when courses are planned to run (quarter or semester month) and how many students there are (based on the numbers for previous years for that course or best estimates). The course name/code is important so that we can ensure that we capture courses correctly because sometimes different courses at the same institution use the same book. We can also monitor orders to see if bookshops have sufficient stock for the course.

Details of book(s)

Sometimes different books by different publishers have similar titles/authors. We need to make sure that the information we are listing is for the correct book. It also enables us to double-check that the edition being prescribed is the most current and up-to-date one available. An ISBN number uniquely identifies a book, so it is useful to put this on the booklist. (The ISBN number is a 13-digit number usually found on the back cover of the book starting with '978'.)

Consolidated departmental booklist?

It is useful to get one booklist from a faculty or department because it gives us an overview of the range and level of courses being taught. We can then send appropriate inspection (desk) copies of titles to

the correct person where they are using a different book but might want to change. If we receive a full booklist, we can provide you with a better service regarding potential titles of interest and new books without swamping lecturers with inappropriate or incorrect information. It also enables us to see that all prescribed books are listed and to distinguish between prescribed and recommended books. If it is a recommended title the faculty library should be notified to keep copies of recommended titles.

It is also useful for suppliers to know that they have received all the prescribed books for a department. If individual lecturers notify us of adoptions, it is hard to tell if everyone has remembered to do so. Consolidated booklists containing an administrator's or a course coordinator's contact details mean we can notify someone else in the department of new editions, reprints, books going out of print, etc if an individual lecturer is not available.

Timing of booklists

It is always best if booklists are not put together too late in the year or semester so that we can receive the booklists in timeously (if possible at least two months before the course or semester starts). At times books go into reprint due to demand and so there can be delays in supply. An early booklist means that this does not become a problem as there is time enough to reprint, or if a book is going out of print or into a new edition, there is time for lecturers to speak to us about options and alternatives. It also gives us enough time to supply lecturers with desk copies or support material, if needed.

For more information on how to draw up booklists or on any of our titles, contact: academic@juta.co.za



ENGINEERING

CATALOGUE



1st Floor, Sunclare Building
21 Dreyer Street, Claremont
Cape Town 7708
PO Box 14373, Lansdowne 7779



tel: +27 21 659 2300 | fax: +27 21 659 2360



email: academic@juta.co.za | cserv@juta.co.za



www.juta.co.za
#JUTAGOINGPLACES