

## Hexco Syllabuses

This open access book provides the first comprehensive collection of papers that provide an integrative view on cybersecurity. It discusses theories, problems and solutions on the relevant ethical issues involved. This work is sorely needed in a world where cybersecurity has become indispensable to protect trust and confidence in the digital infrastructure whilst respecting fundamental values like equality, fairness, freedom, or privacy. The book has a strong practical focus as it includes case studies outlining ethical issues in cybersecurity and presenting guidelines and other measures to tackle those issues. It is thus not only relevant for academics but also for practitioners in cybersecurity such as providers of security software, governmental CERTs or Chief Security Officers in companies.

Programs in technical writing, technical communication, and/or professional communication have recently grown in enrollment as the demand among employers for formally prepared technical writers and editors has grown. In response, scholarly treatments of the subject and the teaching of technical writing are also burgeoning, and the body of research and theory being published in this field is many times larger and more accessible than it was even a decade ago. Although many theoretical and disciplinary perspectives can potentially inform technical communication teaching, administration, and curriculum development, the actual influences on the field's canonical texts have traditionally come from a rather limited range of disciplines. *Innovative Approaches to Teaching Technical Communication* brings together a wide range of scholars/teachers to expand the existing canon.

The term "cash flow" is used to describe the analysis of all the changes that affect a company's cash account during an accounting period. This book tells readers everything they need to know to understand cash flow and incorporate that knowledge into their strategic management process.

*Health Communication: Strategies and Skills for a New Era* provides a practical process model for developing a health communication intervention. The book also explores exposure to media and how it shapes our conceptions of health and illness. Using a life stages and environments approach, the book touches on the patient role and how we 'hear' information from health care providers as well as guidance on how to be a thoughtful consumer of health information.

*Individual Differences and Personality, Third Edition* provides a comprehensive overview of research on personality. The book begins with the main approaches to the study of personality, basic principles of personality measurement, the concept of personality traits, and the major dimensions of personality variation. Further chapters review personality change and stability, biological causal mechanisms, genetic and environmental influences and evolutionary adaptive function. Personality disorders are examined as are life outcomes—such as relationships, work, health, and others—that

are predicted by personality characteristics. The book additionally examines important individual differences, such as mental abilities, vocational interests, religious beliefs, political attitudes and sexuality. The third edition is updated with new findings on age-related differences in personality, on sexual orientation and personality, on socially desirable responding in personality assessment, and on the biological and social origins of mental ability differences. Treatments of several topics have been streamlined, including reliability and validity, developmental change, genetic and environmental influences and the structure of mental abilities. Organized by issues in personality research rather than by theorists Identifies main traits in personality and explains personality assessment Examines the impact of personality on life outcomes Explores developmental, genetic and evolutionary aspects of personality Includes other psychological characteristics (abilities, interests, beliefs and attitudes)

The Book Attempts To Present A Comprehensive View Of Extractive Metallurgy, Especially Principles Of Extractive Metallurgy In A Concise Form. This Is The First Book In This Area Which Attempts To Do It. It Has Been Written In Textbook Style. It Presents The Various Concepts Step By Step, Shows Their Importance, Deals With Elementary Quantitative Formulations, And Illustrates Through Quantitative And Qualitative Informations. The Approach Is Such That Even Undergraduate Students Would Be Able To Follow The Topics Without Much Difficulty And Without Much Of A Background In Specialized Subjects. This Is Considered To Be A Very Useful Approach In This Area Of Technology. Moreover The Inter-Disciplinary Nature Of The Subject Has Been Dually Brought Out. While Teaching Concerned Course(S) In The Undergraduate And Postgraduate Level The Authors Felt The Need Of Such A Book. The Authors Found The Books Available On The Subject Did Not Fulfill The Requirements. No Other Book Was Concerned With All Relevant Concepts. Most Of Them Laid Emphasis Either On Thermodynamic Aspects Or On Discussing Unit Processes. Transport Phenomena Are Dealt With In Entirely Different Books. Reactor Concepts Were Again Lying In Chemical Engineering Texts. The Authors Tried To Harmonize And Synthesize The Concepts In Elementary Terms For Metallurgists. The Present Book Contains A Brief Descriptive Summary Of Some Important Metallurgical Unit Processes. Subsequently It Discusses Not Only Physical Chemistry Of Metallurgical Reactions And Processes But Also Rate Phenomena Including Heat And Mass Transfer, Fluid Flow, Mass And Energy Balance, And Elements Of Reactor Engineering. A Variety Of Scientific And Engineering Aspects Of Unit Processes Have Been Discussed With Stress On The Basic Principles All Throughout. There Is An Attempt To Introduce, As Much As Possible, Quantitative Treatments And Engineering Estimates. The Latter May Often Be Approximate From The Point Of View Of Theory But Yields Results That Are Very Valuable To Both Practicing Metallurgists As Well As Others.

Deryn Watson CapBIT 97, Capacity Building for Information Technologies in Education in Developing Countries, from

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which this publication derives, was an invited IFIP working conference sponsored by Working Groups in secondary (WG 3. 1), elementary (WG 3. 5), and vocational and professional (WG 3. 4) education under the auspices of IFIP Technical Committee for Education (TC3). The conference was held in Harare, Zimbabwe 25th - 29th August 1997. CapBIT '97 was the first time that the IFIP Technical Committee for Education had held a conference in a developing country. When the Computer Society of Zimbabwe offered to host the event, we determined that the location and conference topic reflect the importance of issues facing countries at all stages of development- especially Information Technologies (IT) development. Information Technologies have become, within a short time, one of the basic building blocks of modern industrial society. Understanding IT, and mastering basic skills and concepts of IT, are now regarded as part of the core education of all people around the world, alongside reading and writing. IT now permeates the business environment and underpins the success of modern corporations as well as providing government with cost-effective civil service systems. At the same time, the tools and technologies of IT are of value in the process of learning, and in the organisation and management of learning institutions.

Textbook of Engineering Geology presents study of geology comprehensively from a civil engineering point of view. The author contends that mere technical perfection cannot ensure the safety and success of large-scale civil engineering constructions such as a This introductory textbook provides a thorough guide to the management of food and beverage outlets, from their day-to-day running through to the wider concerns of the hospitality industry. It explores the broad range of subject areas that encompass the food and beverage market and its five main sectors – fast food and popular catering, hotels and quality restaurants and functional, industrial, and welfare catering. New to this edition are case studies covering the latest industry developments, and coverage of contemporary environmental concerns, such as sourcing, sustainability and responsible farming. It is illustrated in full colour and contains end-of-chapter summaries and revision questions to test your knowledge as you progress. Written by authors with many years of industry practice and teaching experience, this book is the ideal guide to the subject for hospitality students and industry practitioners alike.

This text provides a structured and practical framework for understanding the complexities of contemporary public relations. It is an instructional book that guides the reader through the challenges of communication and problem solving across a range of organizations and cross-cultural settings. Written in a straightforward, lively style, the book covers: foundational theories, and factors that shape the discipline communication across cultures trends affecting the public relations profession throughout the world. Incorporating case studies and commentary to illustrate key principles and stimulate discussion, this book also highlights the different approaches professionals must consider in different contexts, from communicating with employees to liaising with external bodies, such as government agencies or the media. Offering a truly global perspective on the subject, Global Public Relations is essential reading for any student or practitioner interested in public relations excellence in a global setting. A companion website provides additional material for lecturers and students alike:

[www.routledge.com/textbooks/9780415448154/](http://www.routledge.com/textbooks/9780415448154/)

This second edition for Cambridge O Level Commerce syllabus (7100) is thoroughly updated for first examination from 2018. Written by an experienced author in an engaging and accessible style this Coursebook provides comprehensive coverage of the syllabus and contains lots

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of activities and practice questions to help students apply commercial theory, with up-to-date, real-life examples.

Capacity Building for IT in Education in Developing Countries|FIP TC3 WG3.1, 3.4 & 3.5 Working Conference on Capacity Building for IT in Education in Developing Countries 19–25 August 1997, Harare, ZimbabweSpringer

Introduction to Computing is a comprehensive text designed for the CS0 (Intro to CS) course at the college level. It may also be used as a primary text for the Advanced Placement Computer Science course at the high school level.

This textbook introduces the scientific study of politics, supplying students with the basic tools to be critical consumers and producers of scholarly research.

Textile as a material of daily use has been there for ages now and as an industry, it is one of the promising industries.

Textile Industry will always be there as clothes are one of the basic human necessities. For making textile, there is always the need of textile designers who design the textiles. Textile design is basically the process of creating designs for knitted, woven or printed fabrics. Fabrics can be made by weaving and knitting and can be given basic decoration through printing. Textile designing is a technical process including different methods for production of textile. It includes both- surface design and structural design of a textile. Textile designer must have knowledge of yarn making, weaving, knitting, dyeing, finishing processes, and also knowledge about different types of looms, knitting machines, and printing processes. The designer's deep understanding of the technical aspects of production and the properties of fibers, yarns, and textile dyes help him in visualizing the end product. Textile Technology and Design describes the strategies and technologies that have propelled the forefront of apparel textile innovation. The concept of the textile technologies is intricately related to both, the manufacture and decoration. It addresses the critical role of the interior at the intersection of design and technology, with a range of interdisciplinary arguments by a wide range of contributors: from design practitioners to researchers and scholars.

The Student Solutions Manual contains solutions to selected problems in the book.

What have postcolonial Sub-Saharan African countries achieved in their education policies and programmes? How far have they contributed to successful attainment of the targeted 2015 Millennium Development Goals (MDGs) on education? What were the constraints and barriers for developing an education system that appeals to the needs of the sub-region? Re-thinking Postcolonial Education in Sub-Saharan Africa in the 21st Century: Post-Millennium Development Goals is an attempt to demonstrate that Sub-Saharan Africa has the potential and capability to provide solutions to challenges facing its desire and ability to provide sustainable education to its people. To that end, the contributors are academics with an African vision attempting to come up with African home-grown perspectives to fill the gap created by the lapse of the MDGs as the guiding vision and framework for educational provision in Africa and beyond. The book seeks to articulate and address African issues from an informed as well as objective African perspective. The book is

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also intended to provide insights to scholars who are interested in studying and understanding the nature of postcolonial education in the Sub-Saharan African region. Given the objectives and themes of this book, it is intended for academic scholars, undergraduate and graduate students, human rights scholars, curriculum developers, college and university academics, teachers, education policy makers, international organisations, and local and international non-governmental organisations that are interested in African education policies and programmes. “Rethinking Postcolonial Education in Sub-Saharan Africa in the 21st Century provides contemporary reflections from multiple perspectives and re-positions the issue of education at the forefront of the debates on African development.” – Lamine Diallo, Associate Professor, Wilfrid Laurier University, Canada “The book is a welcome addition to discourses and analyses on education in sub-Saharan Africa with reference to a postcolonial critique and the Millennium Development Goals framework on education in Africa.” – Michael Tonderai Kariwo, PhD, Instructor and Research Fellow, University of Alberta, Canada

Covering the fundamentals of electrical technology and using these to introduce the application of electrical and electronic systems, this text had been updated to include recent developments in technology. It avoids unnecessary mathematics and features improved teaching aids, including: worked examples; updated and graded review questions; colour diagrams and chapter summaries. It is designed for use by students on NC, HNC and HND courses in electrical and electronic engineering.

The average history textbook is a wealth of information, but often includes almost too much for quick study - leaving students to sieve through lines of text to understand the foundation of the issue at hand. The goal of our Snapshots series is to give students key information in bite-sized and manageable pieces without losing the trivia element that makes history fun.

"Princeton University Press published Imai's textbook, Quantitative Social Science: An Introduction, an introduction to quantitative methods and data science for upper level undergrads and graduates in professional programs, in February 2017. What is distinct about the book is how it leads students through a series of applied examples of statistical methods, drawing on real examples from social science research. The original book was prepared with the statistical software R, which is freely available online and has gained in popularity in recent years. But many existing courses in statistics and data sciences, particularly in some subject areas like sociology and law, use STATA, another general purpose package that has been the market leader since the 1980s. We've had several requests for STATA versions of the text as many programs use it by default. This is a "translation" of the original text, keeping all the current pedagogical text but inserting the necessary code and outputs from STATA in their place"--

This volume explores the challenges and solutions experienced within Zimbabwe's economic and social spheres, with

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particular reference to the “crisis years” (2000–2008) and the “promising turn” (2009–2012). This latter phase was prompted by the formation of the Government of National Unity (GNU). The contributors to the volume pay attention to how individuals and institutions sought to respond to the crisis, critiquing the reactions of various actors and exploring solutions to the various challenges that were experienced. Chapters in this book include reviews of agricultural subsidies, a gendered approach to poverty, the collapse of service delivery (including a particular focus on education), the “look East policy”, the expansion of the religious sector, and the experiences of Zimbabwean migrants in South Africa. Underlying these contributions are the concepts of resilience and agency. The authors all highlight the massive challenges that individuals and institutions had to navigate, and acknowledge the creativity deployed in such quests. This book will appeal to scholars in economics, history and economic history, religious studies, education, and political science, as well as the general reader.

This is an illustrated summary book in full colour for classroom use and for examination revision, covering the requirements of GCSE Specifications from September 2001 in information technology/computing.

An up-close look at the education arms race of after-school learning, academic competitions, and the perceived failure of even our best schools to educate children Beyond soccer leagues, music camps, and drama lessons, today’s youth are in an education arms race that begins in elementary school. In *Hyper Education*, Pawan Dhingra uncovers the growing world of high-achievement education and the after-school learning centers, spelling bees, and math competitions that it has spawned. It is a world where immigrant families vie with other Americans to be at the head of the class, putting in hours of studying and testing in order to gain a foothold in the supposed meritocracy of American public education. A world where enrichment centers, like Kumon, have seen 194 percent growth since 2002 and target children as young as three. Even families and teachers who avoid after-school academics are getting swept up. Drawing on over 100 in-depth interviews with teachers, tutors, principals, children, and parents, Dhingra delves into the why people participate in this phenomenon and examines how schools, families, and communities play their part. Moving past “Tiger Mom” stereotypes, he addresses why Asian American and white families practice what he calls “hyper education” and whether or not it makes sense. By taking a behind-the-scenes look at the Scripps National Spelling Bee, other national competitions, and learning centers, Dhingra shows why good schools, good grades, and good behavior are seen as not enough for high-achieving students and their parents and why the education arms race is likely to continue to expand.

*Betrayal in the City*, first published in 1976 and 1977, was Kenya's national entry to the Second World Black and African Festival of Arts and Culture in Lagos, Nigeria. The play is an incisive, thought-provoking examination of the problems of independence and freedom in post-colonial African states, where a sizeable number of people feel that their future is either blank or bleak. In the words of Mosese, one of the characters: “It was better while we waited. Now we have nothing to look forward to. We have killed our past and are busy killing our future.”--Page 4 of cover.

The “H” in the H factor stands for “Honesty-Humility,” one of the six basic dimensions of the human personality. People who have high levels of H are sincere and modest; people who have low levels are deceitful and pretentious. It isn’t intuitively obvious that traits of honesty and humility go hand in hand, and until very recently the H factor hadn’t been recognized as a basic dimension of personality. But scientific

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evidence shows that traits of honesty and humility form a unified group of personality traits, separate from those of the other five groups identified several decades ago. This book, written by the discoverers of the H factor, explores the scientific findings that show the importance of this personality dimension in various aspects of people's lives: their approaches to money, power, and sex; their inclination to commit crimes or obey the law; their attitudes about society, politics, and religion; and their choice of friends and spouse. Finally, the book provides ways of identifying people who are low in the H factor, as well as advice on how to raise one's own level of H.

The Book Irrigation And Water Resources Engineering Deals With The Fundamental And General Aspects Of Irrigation And Water Resources Engineering And Includes Recent Developments In Hydraulic Engineering Related To Irrigation And Water Resources Engineering. Significant Inclusions In The Book Are A Chapter On Management (Including Operation, Maintenance, And Evaluation) Of Canal Irrigation In India, Detailed Environmental Aspects For Water Resource Projects, A Note On Interlinking Of Rivers In India, And Design Problems Of Hydraulic Structures Such As Guide Bunds, Settling Basins Etc. The First Chapter Of The Book Introduces Irrigation And Deals With The Need, Development And Environmental Aspects Of Irrigation In India. The Second Chapter On Hydrology Deals With Different Aspects Of Surface Water Resource. Soil-Water Relationships Have Been Dealt With In Chapter 3. Aspects Related To Ground Water Resource Have Been Discussed In Chapter 4. Canal Irrigation And Its Management Aspects Form The Subject Matter Of Chapters 5 And 6. Behaviour Of Alluvial Channels And Design Of Stable Channels Have Been Included In Chapters 7 And 8, Respectively. Concepts Of Surface And Subsurface Flows, As Applicable To Hydraulic Structures, Have Been Introduced In Chapter 9. Different Types Of Canal Structures Have Been Discussed In Chapters 10, 11, And 13. Chapter 12 Has Been Devoted To Rivers And River Training Methods. After Introducing Planning Aspects Of Water Resource Projects In Chapter 14, Embankment Dams, Gravity Dams And Spillways Have Been Dealt With, Respectively, In Chapters 15, 16 And 17. The Students Would Find Solved Examples (Including Design Problems) In The Text, And Unsolved Exercises And The List Of References Given At The End Of Each Chapter Useful.

The revised and updated seventh edition of this best-selling reference manual on vehicle body repair brings the book up to date for the current body repair trade. It serves as a comprehensive guide covering the vocationally related qualification (VRQ) required by the modern student and apprentice, as well as providing the CPD essential for all working professionals. The entire book is overhauled to reflect current industry trends with regards to materials, processes and procedures. New additions include: An entirely new section on the work of the MET technician (mechanical, electrical and trim) New developments in body repair methodology such as repair pods and the greater use of alignment equipment Greater emphasis on the environment with new sections on hybrid vehicles and the hazards of starting current vehicles with high levels of technology Details on both the historic and the current joining methods for the vintage and modern markets Full coverage on the legalities surrounding insurance work for bodyshop staff Updated tables and illustrations This book not only provides the knowledge and skills for body repair, it helps to develop a real understanding of the how and why behind this information. It will be essential for anyone studying Levels 1-3 Vehicle Body Repair, Vehicle Refinishing and MET courses, including the new apprenticeships and technical certificates from the IMI, Pearson-BTEC and C&G. HNC and degree Automotive Engineering students will find the text valuable to develop skills and knowledge for practical project work. Industry professionals, vehicle restorers and car DIY enthusiasts will continue to find it an essential and comprehensive source of information.

FOR STUDENTS GRADES 6-8, AGES 11-14 - Revised & updated edition of the best-selling dictionary written especially for middle school students - Features nearly 70,000 entries with hundreds of new words and meanings added across a variety of fields including technology,

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social media, science, and popular culture - 23,000 usage examples and over 1,000 carefully drawn illustrations clarify and expand understanding - Abundant word history and synonym paragraphs - A great study aid for students building vocabulary and engaging with more complex text

The renowned communications theorist Robert Gallager brings his lucid writing style to the study of the fundamental system aspects of digital communication for a one-semester course for graduate students. With the clarity and insight that have characterized his teaching and earlier textbooks, he develops a simple framework and then combines this with careful proofs to help the reader understand modern systems and simplified models in an intuitive yet precise way. A strong narrative and links between theory and practice reinforce this concise, practical presentation. The book begins with data compression for arbitrary sources. Gallager then describes how to modulate the resulting binary data for transmission over wires, cables, optical fibers, and wireless channels. Analysis and intuitive interpretations are developed for channel noise models, followed by coverage of the principles of detection, coding, and decoding. The various concepts covered are brought together in a description of wireless communication, using CDMA as a case study.

Does your child dream of winning a school spelling bee, or even competing in the Scripps National Spelling Bee in the Washington, D.C., area? You've found the perfect place to start. *Words of the Champions: Your Key to the Bee* is the new official study resource from the Scripps National Spelling Bee. Help prepare your child for a 2020 or 2021 classroom, grade-level, school, regional, district or state spelling bee with this list of 4,000 spelling words. The School Spelling Bee Study List, featuring 450 words, is part of the total collection. All words in this guide may be found in our official dictionary, Merriam-Webster Unabridged (<http://unabridged.merriam-webster.com/>)

**NEW YORK TIMES BEST SELLER** • The epic story of the greatest quest in all of science—the holy grail of physics that would explain the creation of the universe—from renowned theoretical physicist and author of *The Future of the Mind* and *The Future of Humanity* When Newton discovered the law of gravity, he unified the rules governing the heavens and the Earth. Since then, physicists have been placing new forces into ever-grander theories. But perhaps the ultimate challenge is achieving a monumental synthesis of the two remaining theories—relativity and the quantum theory. This would be the crowning achievement of science, a profound merging of all the forces of nature into one beautiful, magnificent equation to unlock the deepest mysteries in science: What happened before the Big Bang? What lies on the other side of a black hole? Are there other universes and dimensions? Is time travel possible? Why are we here? Kaku also explains the intense controversy swirling around this theory, with Nobel laureates taking opposite sides on this vital question. It is a captivating, gripping story; what's at stake is nothing less than our conception of the universe. Written with Kaku's trademark enthusiasm and clarity, this epic and engaging journey is the story of *The God Equation*.

Statistical analysis is common in the social sciences, and among the more popular programs is R. This book provides a foundation for undergraduate and graduate students in the social sciences on how to use R to manage, visualize, and analyze data. The



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focus is on how to address substantive questions with data analysis and replicate published findings. Using R for Data Analysis in Social Sciences adopts a minimalist approach and covers only the most important functions and skills in R to conduct reproducible research. It emphasizes the practical needs of students using R by showing how to import, inspect, and manage data, understand the logic of statistical inference, visualize data and findings via histograms, boxplots, scatterplots, and diagnostic plots, and analyze data using one-sample t-test, difference-of-means test, covariance, correlation, ordinary least squares (OLS) regression, and model assumption diagnostics. It also demonstrates how to replicate the findings in published journal articles and diagnose model assumption violations. Because the book integrates R programming, the logic and steps of statistical inference, and the process of empirical social scientific research in a highly accessible and structured fashion, it is appropriate for any introductory course on R, data analysis, and empirical social-scientific research.

Engineering Mathematics with Examples and Applications provides a compact and concise primer in the field, starting with the foundations, and then gradually developing to the advanced level of mathematics that is necessary for all engineering disciplines. Therefore, this book's aim is to help undergraduates rapidly develop the fundamental knowledge of engineering mathematics. The book can also be used by graduates to review and refresh their mathematical skills. Step-by-step worked examples will help the students gain more insights and build sufficient confidence in engineering mathematics and problem-solving. The main approach and style of this book is informal, theorem-free, and practical. By using an informal and theorem-free approach, all fundamental mathematics topics required for engineering are covered, and readers can gain such basic knowledge of all important topics without worrying about rigorous (often boring) proofs. Certain rigorous proof and derivatives are presented in an informal way by direct, straightforward mathematical operations and calculations, giving students the same level of fundamental knowledge without any tedious steps. In addition, this practical approach provides over 100 worked examples so that students can see how each step of mathematical problems can be derived without any gap or jump in steps. Thus, readers can build their understanding and mathematical confidence gradually and in a step-by-step manner. Covers fundamental engineering topics that are presented at the right level, without worry of rigorous proofs Includes step-by-step worked examples (of which 100+ feature in the work) Provides an emphasis on numerical methods, such as root-finding algorithms, numerical integration, and numerical methods of differential equations Balances theory and practice to aid in practical problem-solving in various contexts and applications

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