

New Syllabus Additional Mathematics Textbook

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New Syllabus Mathematics - Joseph B. W. Yeo 2014

Cambridge International AS&A Level Further Maths Further Pure Maths 1 - Sophie Goldie 2018-03-29
Endorsed by Cambridge Assessment International Education to provide full support for Paper 1 of the syllabus for examination from 2020. Take mathematical understanding to the next level with this accessible series, written by experienced authors, examiners and teachers. - Improve confidence as a mathematician with clear explanations, worked examples, diverse activities and engaging discussion points. - Advance problem-solving, interpretation and communication skills through a wealth of questions that promote higher-order thinking. - Prepare for further study or life beyond the classroom by applying mathematics to other subjects and modelling real-world situations. - Reinforce learning with opportunities for digital practice via links to the Mathematics in Education and Industry's (MEI) Integral platform in the eTextbooks.* *To have full access to the eTextbooks and Integral resources you must be subscribed to both Dynamic Learning and Integral. To trial our eTextbooks and/or subscribe to Dynamic Learning, visit: www.hoddereducation.co.uk/dynamic-learning; to view samples of the Integral resources and/or subscribe to Integral, visit www.integralmaths.org. This book covers the syllabus content for Further Pure Mathematics 1, including roots of polynomial equations, rational functions and graphs, summation of series, matrices, polar coordinates, vectors and proof by induction. About the series: Four separate textbooks ensure full coverage of the latest Cambridge International AS & A Level Further Mathematics syllabus (9231). Student and Whiteboard eTextbook editions are also available. Further Pure Mathematics 1: Student Textbook (ISBN 9781510421783), Student eTextbook (ISBN 9781510422025), Whiteboard eTextbook (ISBN 9781510422032) Further Pure Mathematics 2: Student Textbook (ISBN 9781510421790), Student eTextbook (ISBN 9781510422063), Whiteboard eTextbook (ISBN 9781510422070) Further Mechanics: Student Textbook (ISBN 9781510421806), Student eTextbook (ISBN 9781510422100), Whiteboard eTextbook (ISBN 9781510422117) Further Probability & Statistics: Student Textbook (ISBN 9781510421813), Student eTextbook (ISBN 9781510422148), Whiteboard eTextbook (ISBN 9781510422155)

Intellectual Mathematics Textbook For Grade 3 - Alan Tan 2017-08-24

Intellectual Mathematics Textbooks (International Edition) is a series of books written in line with the latest mathematics syllabus as prescribed by the Ministry of Education. It is written to help pupils to understand and strengthen their mathematical concept and problem solving skills. Each chapter is illustrated with a clear and concise explanation and it include many worked examples with detailed step by step solution. Pupils will find this textbook easy to use and understand. It will guide the pupils at a manageable pace to develop their love for math and hence to inject the much needed confidence in them.

Additional Mathematics - J. F. Talbert 1995

This sixth edition of Additional Mathematics: Pure and Applied, has been completely revised and updated.

New Syllabus Additional Mathematics Workbook - Keng Seng Teh 2007

New Syllabus Additional Mathematics - Keng Seng Teh 2007

New Syllabus 'O' Level Additional Mathematics & AO Mathematics - G. C. Hoo 2000

New Syllabus Mathematics Textbook 4 - Teh Keng Seng 2008-01-01

New Syllabus Mathematics is a series of four books. These books follow the Mathematics Syllabus for Secondary Schools, implemented from 2007 by the Ministry of Education, Singapore. The whole series covers the complete syllabus for the Singapore-Cambridge GCE \diamond O \diamond Level Mathematics. The sixth edition of New Syllabus Mathematics retains the goals and objectives of the previous edition, but has been revised to meet the needs of the current users, to keep materials up-to-date as well as to give students a better understanding of the contents. All topics are comprehensively dealt with to provide students with a firm grounding in the subject. Explanations of concepts and principles are precise and written clearly and concisely with supportive illustrations and examples. Examples and exercises have been carefully graded to aid students in progressing within and beyond each level. Those exercises marked with a require either more thinking or involve more calculations. Numerous revision exercises are provided at appropriate intervals to enable students to recapitulate what they have learnt. Some interesting features of this series include the following: \diamond an interesting introduction at the beginning of each chapter complete with photographs or graphics \diamond brief specific instructional objectives for each chapter \diamond Just For Fun arouses the students' interests in studying mathematics \diamond Thinking Time encourages students to think creatively and go deeper into the topics \diamond Exploration provides opportunities for students to learn actively and independently \diamond For Your Information provides extra information on mathematicians, mathematical history and events etc. \diamond Problem Solving Tips provides suggestions to help students in their thinking processes. We also introduce problem solving heuristics and strategies systemically throughout the series. \diamond Your Attention alerts students to misconceptions.

Cambridge IGCSE and O Level Additional Mathematics - Val Hanrahan 2018-07-09

Exam board: Cambridge Assessment International Education Level: IGCSE Subject: Mathematics First teaching: September 2018 First exams: Summer 2020 This title is endorsed by Cambridge Assessment International Education to support the full syllabus for examination from 2020. Confidently select and apply the appropriate mathematical techniques to solve problems; ensure full coverage of the latest Cambridge IGCSE and O Level Additional Mathematics syllabuses (0606/4037) with a comprehensive Student's Book written by an accomplished team of authors and examiners. - Fully engage with mathematical concepts using discussion points to prompt deeper thinking. - Apply mathematical techniques to solve problems through a variety of activities. - Encourage full understanding of mathematical principles with 'bubble text' providing additional explanations. - Develop mathematical techniques with plenty of opportunities for practice. - Answers are in the Boost Core Subscription Available in the series: Student Textbook (ISBN 9781510421646) Workbook (ISBN 9781510421653) Student Book Boost eBook (ISBN 9781398333802) Boost Core Subscription (ISBN 9781398340992)

New Syllabus Primary Mathematics Workbook 1A - Foong Pui Yee 2014-01-01

New Syllabus Mathematics - Joseph B. W. Yeo 2014

Advanced Problems in Mathematics: Preparing for University - Stephen Siklos 2016-01-25

This book is intended to help candidates prepare for entrance examinations in mathematics and scientific subjects, including STEP (Sixth Term Examination Paper). STEP is an examination used by Cambridge colleges as the basis for conditional offers. They are also used by Warwick University, and many other mathematics departments recommend that their applicants practice on the past papers even if they do not take the examination. Advanced Problems in Mathematics is recommended as preparation for any undergraduate mathematics course, even for students who do not plan to take the Sixth Term Examination Paper. The questions analysed in this book are all based on recent STEP questions selected to address the syllabus for Papers I and II, which is the A-level core (i.e. C1 to C4) with a few additions. Each question is followed by a comment and a full solution. The comments direct the reader's attention to key points and put the question in its true mathematical context. The solutions point students to the methodology required to address advanced mathematical problems critically and independently. This book is a must read for any student wishing to apply to scientific subjects at university level and for anybody interested in advanced mathematics.

Additional Mathematics - Hugh Morrison 1994

The NISEAC GCSE in Additional Maths is currently the only SEAC-approved Additional Maths GCSE. This book has been written to provide comprehensive coverage of the entire syllabus for this examination. It is designed not only for Additional Maths candidates, but also for sixth formers and FE students of physics, and more able maths students who are in their GCSE year and who intend to continue with the subject beyond 16.;The book features coverage of all branches of mathematics (Pure, Mechanics and Statistics) in detail; an extensive range of worked examples illustrating new topics; exercises which provide opportunities for students to practise the essential skills (with answers to the questions at the back of the book); short profiles the mathematicians most closely associated with the particular area being addressed; and a range of challenging examination questions at the end of each chapter.

Cambridge IGCSE® and O Level Additional Mathematics Practice Book - Muriel James 2016-09-29

These resources have been created for the Cambridge IGCSE® and O Level Additional Mathematics syllabuses (0606/4037). This Practice Book is for students following the Cambridge IGCSE® and O Level Additional Mathematics (0606/4037) syllabuses and goes alongside the Cambridge coursebook for this syllabus. It offers additional worked examples and exercises for all topics in the coursebook to help students practice and consolidate the mathematical skills required of the course.

Cambridge IGCSE® and O Level Additional Mathematics Practice Book - Muriel James 2018-03-15

These resources have been created for the Cambridge IGCSE® and O Level Additional Mathematics syllabuses (0606/4037), for first examination from 2020. The Cambridge IGCSE® and O Level Additional Mathematics Practice Book works alongside the coursebook to provide students with extra materials so they can practise the required syllabus skills. The exercises have further worked examples to help students approach the questions within. Answers are provided in the back of the book.

New Additional Mathematics - Soo Thong Ho 2011

Cambridge O Level Mathematics Coursebook - Audrey Simpson 2016-03-17

Cambridge O Level Mathematics is a resource to accompany the revised 4024 syllabus. This coursebook provides a complete course for developing and practising the skills required for the O Level Mathematics qualification. The content has been written to offer a range of tasks that support all aspects of the Cambridge O Level Mathematics syllabus (4024) giving students the confidence to use the mathematical techniques required to solve the range of maths problems required. With detailed explanations of concepts, worked examples and exercises, this coursebook can be used as a classroom text and for self-study.

New Syllabus Mathematics Workbook 3 - Dr Joseph Yeo 2007-01-01

New Syllabus Mathematics Workbook (Express) is written in line with the new Singapore-Cambridge GCE $\diamond O \diamond$ Level Examination and the new initiatives of the Ministry of Education. The workbook consists of exercises which prepare students for their examinations. The more difficult questions are marked with an *. To encourage student-centred learning, the workbook includes non-routine types of worksheets that are classified under the section, Alternative Assessment. These worksheets encourage students to learn

independently through carefully-guided steps and the use of IT. Students are motivated to investigate mathematical concepts with various methods and think critically, so that they will understand and appreciate the concepts better. The teacher can gauge the students' learning by assessing the work with the scoring rubric found at the end of the relevant worksheets. The workbook is accompanied with a CD-ROM that contains templates to be used with some worksheets. It is hoped that with the use of various pedagogies, different types of students will be inspired to achieve success in mathematics.

Complete Additional Mathematics for Cambridge IGCSE® & O Level - Tony Beadsworth 2017-07-27
Equip your top achievers to excel in their Cambridge exams with the practice-based, rigorous approach of Complete Additional Mathematics for Cambridge IGCSE. It completely covers the latest Additional Mathematics Cambridge IGCSE & O Level syllabus. In addition to a wealth of practice, it includes clear and concise explanations and worked examples, to fully prepare students for top exam achievement and the step up to further study.

New Syllabus Mathematics Textbook 3 - Teh Keng Seng 2007-01-01

New Syllabus Mathematics is a series of four books. These books follow the Mathematics Syllabus for Secondary Schools, implemented from 2007 by the Ministry of Education, Singapore. The whole series covers the complete syllabus for the Singapore-Cambridge GCE $\diamond O \diamond$ Level Mathematics. The sixth edition of New Syllabus Mathematics retains the goals and objectives of the previous edition, but has been revised to meet the needs of the current users, to keep materials up-to-date as well as to give students a better understanding of the contents. All topics are comprehensively dealt with to provide students with a firm grounding in the subject. Explanations of concepts and principles are precise and written clearly and concisely with supportive illustrations and examples. Examples and exercises have been carefully graded to aid students in progressing within and beyond each level. Those exercises marked with a require either more thinking or involve more calculations. Numerous revision exercises are provided at appropriate intervals to enable students to recapitulate what they have learnt. Some interesting features of this series include the following: \diamond an interesting introduction at the beginning of each chapter complete with photographs or graphics \diamond brief specific instructional objectives for each chapter \diamond Just For Fun arouses the students' interests in studying mathematics \diamond Thinking Time encourages students to think creatively and go deeper into the topics \diamond Exploration provides opportunities for students to learn actively and independently \diamond For Your Information provides extra information on mathematicians, mathematical history and events etc. \diamond Problem Solving Tips provides suggestions to help students in their thinking processes. We also introduce problem solving heuristics and strategies systemically throughout the series. \diamond Your Attention alerts students to misconceptions.

New Syllabus Additional Mathematics - Joseph Yeo 2013

Cambridge International AS & A Level Further Mathematics Further - Rose Jewell 2018-03-29

Endorsed by Cambridge Assessment International Education to provide full support for Paper 2 of the syllabus for examination from 2020. Take mathematical understanding to the next level with this accessible series, written by experienced authors, examiners and teachers. - Improve confidence as a mathematician with clear explanations, worked examples, diverse activities and engaging discussion points. - Advance problem-solving, interpretation and communication skills through a wealth of questions that promote higher-order thinking. - Prepare for further study or life beyond the classroom by applying mathematics to other subjects and modelling real-world situations. - Reinforce learning with opportunities for digital practice via links to the Mathematics in Education and Industry's (MEI) Integral platform in the eTextbooks.* *To have full access to the eTextbooks and Integral resources you must be subscribed to both Dynamic Learning and Integral. To trial our eTextbooks and/or subscribe to Dynamic Learning, visit: www.hoddereducation.co.uk/dynamic-learning; to view samples of the Integral resources and/or subscribe to Integral, visit www.integralmaths.org. This book covers the syllabus content for Further Pure Mathematics 2, including hyperbolic functions, matrices, differentiation, integration, complex numbers and differential equations. About the series: Four separate textbooks ensure full coverage of the latest Cambridge International AS & A Level Further Mathematics syllabus (9231). Student and Whiteboard eTextbook editions are also available. Further Pure Mathematics 1: Student Textbook (ISBN

9781510421783), Student eTextbook (ISBN 9781510422025), Whiteboard eTextbook (ISBN 9781510422032) Further Pure Mathematics 2: Student Textbook (ISBN 9781510421790), Student eTextbook (ISBN 9781510422063), Whiteboard eTextbook (ISBN 9781510422070) Further Mechanics: Student Textbook (ISBN 9781510421806), Student eTextbook (ISBN 9781510422100), Whiteboard eTextbook (ISBN 9781510422117) Further Probability & Statistics: Student Textbook (ISBN 9781510421813), Student eTextbook (ISBN 9781510422148), Whiteboard eTextbook (ISBN 9781510422155)

New Syllabus Additional Mathematics Workbook - Dr Joseph Yeo 2013-01-01

New Syllabus Additional Mathematics (NSAM) is a series of textbooks and workbooks designed to prepare students for the Singapore-Cambridge GCE O-level examination in Additional Mathematics. Together with the textbook, the workbook will provide students with ample practice to apply the various skills and concepts learnt to solving problems in both examination and real-life situations. The workbook contains the following features: REVISION NOTES Revision Notes are found at the start of each chapter. They emphasise the important concepts and formulae in the chapter. PRACTICE QUESTIONS Practice Questions provide students with a wide range of questions for further practice. The questions are classified into three levels of difficulty. ♦ questions require students to use specific skills and concepts in the chapter directly to solve problems. ♦ questions require students to apply their skills and concepts to solve problems. ♦ questions require students to apply various skills and concepts, including the use of problem-solving skills, to solve problems. Revision Exercise The Revision Exercise is found after every few chapters to help students to recall and consolidate all the concepts learnt in these chapters. Mid-Year Specimen Papers and End-of-Year Specimen Papers The Mid-Year Specimen Papers and End-of-Year Specimen Papers have been written to follow closely to the format of school's Mid-Year and End-of-Year examinations. It is hoped that when students use this book, to reinforce the concepts that they are weak in, they will eventually gain success in Additional Mathematics.

Certificate Mathematics - Alex Greer 2001

Certificate Mathematics is a two-year revision course for students following the General Proficiency Syllabus in Mathematics of the Caribbean Examinations Council. It provides a programme for thorough review and consolidation of all the basic aspects of mathematics needed for success in the examination. The fourth edition of this extremely popular and successful textbook. Takes account of the latest changes to the CXC syllabuses. Incorporates a very large number of graded exercises to help student's "learn by doing". Includes chapter summaries and points to remember that enhance the usefulness of the book for consolidation and revision. Contains specimen tests in preparation for the multiple choice and long answer papers of the CXC examination. Used systematically, Certificate Mathematics will provide students with a firm foundation for success in their CXC mathematics examinations.

Mathematics for Machine Learning - Marc Peter Deisenroth 2020-04-23

The fundamental mathematical tools needed to understand machine learning include linear algebra, analytic geometry, matrix decompositions, vector calculus, optimization, probability and statistics. These topics are traditionally taught in disparate courses, making it hard for data science or computer science students, or professionals, to efficiently learn the mathematics. This self-contained textbook bridges the gap between mathematical and machine learning texts, introducing the mathematical concepts with a minimum of prerequisites. It uses these concepts to derive four central machine learning methods: linear regression, principal component analysis, Gaussian mixture models and support vector machines. For students and others with a mathematical background, these derivations provide a starting point to machine learning texts. For those learning the mathematics for the first time, the methods help build intuition and practical experience with applying mathematical concepts. Every chapter includes worked examples and exercises to test understanding. Programming tutorials are offered on the book's web site.

Cambridge Additional Mathematics IGCSE® (0606) O Level (4037) 2nd Edition - Michael Haese 2018-08

Cambridge IGCSE(tm) Additional Maths Student's Book (Collins Cambridge IGCSE(tm)) - Su Nicholson 2018-03-14

Written by an experienced author team, Collins Cambridge IGCSE(R) Additional Maths Student's Book provides in-depth coverage of every aspect of the latest Cambridge IGCSE(R) Additional Mathematics 0606 syllabus, for examination from 2020. This resource also covers the Cambridge O Level Additional Mathematics 4037 syllabus. We are working with Cambridge International Examinations towards endorsement of this title. - Cover the entire curriculum with confidence with clear references to what students will learn at the start of every chapter. - Build upon student's IGCSE Mathematics course with exercises designed to test students' initial understanding and prepare them for Additional Maths content. - Consolidate understanding with tried and tested questions in extensive practice exercises and detailed worked examples, with hints on how to tackle tricky content. - Help students to prepare for their examination with a set of exam-style questions at the end of every chapter, plus Cambridge questions from previous papers. - Support students in developing problem solving skills with flagged questions and a problem-solving in context feature that require students to apply their skills and understanding. - Emphasise the relevance of maths in the real world with 'Why this chapter matters', showing maths in everyday life or its place in historical developments. - Deliver a fully international course with international examples, contexts, names, currency and locations. Help English as Second Language learners understand complex mathematical terminology with clear key term definitions, gathered in a glossary. - Challenge students to stretch their skills and understanding with flagged extension questions in both the practice exercises and the chapter review questions. - Support students in assessing their own understanding of the content through a progression checklist at the end of every chapter. - Encourage students to check their work with answers to all exercise questions at the back of the book. Examination answers are only available in the Teacher's Pack. IGCSE is the registered trademark of Cambridge International Examinations.

Cambridge IGCSE® and O Level Additional Mathematics Coursebook - Sue Pemberton 2018-02-22

These resources have been created for the Cambridge IGCSE® and O Level Additional Mathematics syllabuses (0606/4037), for first examination from 2020. This coursebook gives clear explanations of new mathematical concepts followed by exercises. This allows students to practise the skills required and gain the confidence to apply them. Classroom discussion exercises and extra challenge questions have been designed to deepen students' understanding and stimulate interest in Mathematics. Answers to coursebook questions are in the back of the book.

Additional Mathematics for Ocr - Val Hanrahan 2004

Teach with confidence, knowing your students will be fully prepared for their exams, with this detailed textbook that is closely tailored to the specification and has been endorsed by OCR. Endorsed by OCR for use with the OCR Additional Mathematics specification. This level 3 qualification in Key Stage 4 enables students to study higher level mathematics without having to embark on their AS modules. - Accessible and concise, written by experienced authors to guide and encourage your higher level students towards success - Includes an introduction to each topic followed by worked examples with commentaries - Provides plenty of practice with hundreds of questions - Ideal for students considering maths at AS/A level, accelerating their progress and aiding their future choices Table of Contents 1. Algebra I - review 2. Algebra II - techniques 3. Algebra III - polynomials 4. Algebra IV - applications 5. Co-ordinate geometry I 6. Co-ordinate geometry II - applications 7. Trigonometry I 8. Trigonometry II - applications 9. Calculus I - differentiation 10. Calculus II - integration 11. Calculus III - applications to kinematics .

Cambridge IGCSE and O Level Additional Mathematics Workbook - Val Hanrahan 2018-06-29

Exam board: Cambridge Assessment International Education Level: IGCSE Subject: Mathematics First teaching: September 2018 First exams: Summer 2020 This title is endorsed by Cambridge Assessment International Education to support the full syllabus for examination from 2020. Reinforce learning and deepen understanding of the key concepts covered in the latest syllabus; an ideal course companion or homework book for use throughout the course. - Develop and strengthen skills and knowledge with a wealth of additional exercises that perfectly supplement the Student's Book. - Build confidence with extra practice for each lesson to ensure that a topic is thoroughly understood before moving on. - Ensure students know what to expect with hundreds of rigorous practice and exam-style questions. - Keep track of students' work with ready-to-go write-in exercises. - Save time with all answers available in the Online Teacher's Guide (a subscription to the Teacher Guide is £120 for access until 31 August 2023). Available in

this series: Student Textbook (ISBN 9781510421646) Student eTextbook (ISBN 9781510420533) Whiteboard eTextbook (ISBN 9781510420540) Workbook (ISBN 9781510421653) Online Teacher's Guide (ISBN 9781510424180)

New Syllabus Additional Mathematics Textbook - Dr Joseph Yeo 2013-01-01

New Syllabus Additional Mathematics (NSAM) is an MOE-approved textbook specially designed to provide valuable learning experiences to engage the hearts and minds of students sitting for the GCE O-level examination in Additional Mathematics. Included in the textbook are Investigation, Class Discussion, Thinking Time and Alternative Assessment such as Journal Writing to support the teaching and learning of Mathematics. Every chapter begins with a chapter opener which motivates students in learning the topic. Interesting stories about mathematicians, real-life examples and applications are used to arouse students' interest and curiosity so that they can appreciate the beauty of Mathematics in their surroundings and in the sciences. The use of ICT helps students to visualise and manipulate mathematical objects more easily, thus making the learning of Mathematics more interactive. Ready-to-use interactive ICT templates are available at <http://www.shinglee.com.sg/StudentResources/> The chapters in the textbook have been organised into three strands — Algebra, Geometry and Trigonometry and Calculus. The colours purple, green and red at the bottom of each page indicate these.

New Syllabus 'O' Level Additional Mathematics & AO Mathematics (pure Mathematics) - Pearly Lim 1999

Cambridge International AS & A Level Further Mathematics Further Pure Mathematics 1 - Sophie Goldie 2018-05-14

Endorsed by Cambridge Assessment International Education to provide full support for Paper 1 of the syllabus for examination from 2020. Take mathematical understanding to the next level with this accessible series, written by experienced authors, examiners and teachers. - Improve confidence as a mathematician with clear explanations, worked examples, diverse activities and engaging discussion points. - Advance problem-solving, interpretation and communication skills through a wealth of questions that promote higher-order thinking. - Prepare for further study or life beyond the classroom by applying mathematics to other subjects and modelling real-world situations. - Reinforce learning with opportunities for digital practice via links to the Mathematics in Education and Industry's (MEI) Integral platform in the eTextbooks.* *To have full access to the eTextbooks and Integral resources you must be subscribed to both Dynamic Learning and Integral. To trial our eTextbooks and/or subscribe to Dynamic Learning, visit: www.hoddereducation.co.uk/dynamic-learning; to view samples of the Integral resources and/or subscribe to Integral, visit www.integralmaths.org. This book covers the syllabus content for Further Pure Mathematics 1, including roots of polynomial equations, rational functions and graphs, summation of series, matrices, polar coordinates, vectors and proof by induction. About the series: Four separate textbooks ensure full coverage of the latest Cambridge International AS & A Level Further Mathematics syllabus (9231). Student and Whiteboard eTextbook editions are also available. Further Pure Mathematics 1: Student Textbook (ISBN 9781510421783), Student eTextbook (ISBN 9781510422025), Whiteboard eTextbook (ISBN 9781510422032) Further Pure Mathematics 2: Student Textbook (ISBN 9781510421790), Student eTextbook (ISBN 9781510422063), Whiteboard eTextbook (ISBN 9781510422070) Further Mechanics: Student Textbook (ISBN 9781510421806), Student eTextbook (ISBN 9781510422100), Whiteboard eTextbook (ISBN 9781510422117) Further Probability & Statistics: Student Textbook (ISBN 9781510421813), Student eTextbook (ISBN 9781510422148), Whiteboard eTextbook (ISBN 9781510422155)

New Syllabus Additional Mathematics - Joseph Yeo 2017

Additional Mathematics - H. H. Heng 2001

This textbook follows closely the latest syllabus issued by the Ministry of Education, Singapore. It

emphasises the understanding of mathematical concepts using a clear and systematic approach.

New Syllabus Additional Mathematics - Keng Seng Teh 2001

Additional Mathematics - 1: Additional Mathematics - for VTU Lateral Entry Students - C.

Pandurangappa 2019-10-25

This book Additional Mathematics - I, 4th Edition, is the bridge course text book of Mathematics for the lateral entry (diploma quota) students and is designed for 3rd semester Engineering course at the Visvesvaraya Technological University (VTU). The content is explained in 5 modules using simple and lucid language. The introductory chapter 0 being "Preliminaries -Short Notes". This chapter is to refresh and recollect your understanding, at the lower classes. Module 1 begins with Complex Trigonometry and Vector Algebra, continues with explanations on concepts like Complex Numbers: Definitions & Properties. Modulus and amplitude of a complex number, Argand's diagram, De-Moivre's theorem and start off with Vector Algebra, with a generous sprinkle of worked out examples. Module 2 and 3 is dedicated to Differential Calculus & Vector Calculus, Module 4 for Integral Calculus and concludes with Module 5 ODE's (Ordinary Differential Equations) which explains Introduction to first order differential equations and Linear differential equations and terminates with explaining Bernoulli's equation. The author also explains Homogeneous Equations, Equations Reducible to Homogeneous, Linear Differential Equations, Exact Differential Equations, Equations Reducible to Exact Equations. As usual, varieties of worked examples and a large number of exercise problems are provided in the text to strengthen the problems solving ability and concept understanding of students.

New Syllabus Mathematics Textbook 1 - Dr Joseph Yeo 2013

New Syllabus Mathematics (NSM) is a series of textbooks specially designed to provide valuable learning experiences to engage the hearts and minds of students sitting for the GCE O-level examination in Mathematics. Included in the textbooks are Investigation, Class Discussion, Thinking Time, Journal Writing, Performance Task and Problems in Real-World Contexts to support the teaching and learning of Mathematics. Every chapter begins with a chapter opener which motivates students in learning the topic. Interesting stories about Mathematicians, real-life examples and applications are used to arouse students' interest and curiosity so that they can appreciate the beauty of Mathematics in their surroundings. The use of ICT helps students to visualise and manipulate mathematical objects more easily, thus making the learning of Mathematics more interactive. Ready-to-use interactive ICT templates are available at <http://www.shinglee.com.sg/StudentResources/>

Additional Mathematics - George N Frempong 2020-03-27

This book covers all the topics in the Cambridge O Level Additional Mathematics syllabus. The text has been updated and refined to improve clarity of the presentations. Every effort has been made to write a readable text that can be easily understood. The purpose of this book is to provide you with the tools you need to be successful in your Additional Mathematics course. The exercises at the end of each section are varied, providing basic skills and understanding of concepts. The clarity of the text makes the book excellent for self-tuition.

New Syllabus Mathematics Workbook 4 - Dr Joseph Yeo 2008-01-01

New Syllabus Mathematics Workbook (Express) is written in line with the new Singapore-Cambridge GCE **◆O◆** Level Examination and the new initiatives of the Ministry of Education. The workbook consists of exercises which prepare students for their examinations. The more difficult questions are marked with an *. To encourage student-centred learning, the workbook includes non-routine types of worksheets that are classified under the section, Alternative Assessment. These worksheets encourage students to learn independently through carefully-guided steps and the use of IT. Students are motivated to investigate mathematical concepts with various methods and think critically, so that they will understand and appreciate the concepts better. The teacher can gauge the students' learning by assessing the work with the scoring rubric found at the end of the relevant worksheets. The workbook is accompanied with a CD-ROM that contains templates to be used with some worksheets. It is hoped that with the use of various pedagogies, different types of students will be inspired to achieve success in mathematics.