

## June 2013 Paper 13

As millions of Americans struggle to find work in the wake of the Great Recession, politicians from both parties look to regulation in search of an economic cure. Some claim that burdensome regulations undermine private sector competitiveness and job growth, while others argue that tough new regulations actually create jobs at the same time that they provide other benefits. *Does Regulation Kill Jobs?* reveals the complex reality of regulation that supports neither partisan view. Leading legal scholars, economists, political scientists, and policy analysts show that individual regulations can at times induce employment shifts across firms, sectors, and regions—but regulation overall is neither a prime job killer nor a key job creator. The challenge for policymakers is to look carefully at individual regulatory proposals to discern any job shifting they may cause and then to make regulatory decisions sensitive to anticipated employment effects. Drawing on their analyses, contributors recommend methods for obtaining better estimates of job impacts when evaluating regulatory costs and benefits. They also assess possible ways of reforming regulatory institutions and processes to take better account of employment effects in policy decision-making. *Does Regulation Kill Jobs?* tackles what has become a heated partisan issue with exactly the kind of careful analysis policymakers need in order to make better policy decisions, providing insights that will benefit both politicians and citizens who seek economic growth as well as the protection of public health and safety, financial security, environmental sustainability, and other civic goals. Contributors: Matthew D. Adler, Joseph E. Aldy, Christopher Carrigan, Cary Coglianese, E. Donald Elliott, Rolf Färe, Ann Ferris, Adam M. Finkel, Wayne B. Gray, Shawna Grosskopf, Michael A. Livermore, Brian F. Mannix, Jonathan S. Masur, Al McGartland, Richard Morgenstern, Carl A. Pasurka, Jr., William A. Pizer, Eric A. Posner, Lisa A. Robinson, Jason A. Schwartz, Ronald J. Shadbegian, Stuart Shapiro.

Most major economies use a value added tax (VAT) which is a derivation of the French 1954 *taxe sur la valeur ajoutée*. The initial imposition of VAT in France and its spread around the world have been driven by economic reasons. This book focuses on one of these economic triggers: the neutrality of VAT as regards the functioning of the economy. It demonstrates that the reason VAT was chosen in France and why thereafter it spread around the world was because it offered the possibility to collect governmental revenue while allowing the economic forces of the market to interplay without being adversely affected. The prerequisite conditions for the existence of VAT neutrality are therefore identified herein along with an overview of the VAT mechanism, demonstrating that the concept of neutrality is built into the VAT system in a manner that allows for the preservation of the natural functioning of the market. After the definition of VAT neutrality is set forth, the elements that comprise VAT neutrality are tested against the realities on the ground and the issues that infringe the neutrality of VAT are identified and analysed. In conclusion, remedies for these issues are being sought by a review of the causes of infringement of VAT neutrality in the perspective of selected proposals for modified VAT systems. These proposals include redesignating the place where VAT is levied and improving VAT collection. Ultimately, the proposed solution has recourse to the roots of VAT together with the most advanced technological tools available to give back to VAT the power to levy revenue while letting the economic forces of the market interplay without instigating any adverse influence.

The key question facing European policy-makers is how to enable collective redress proceedings without producing the undesirable consequences that are associated with the U.S. class action model. How is it possible to find the balance between providing compensation for legitimate claims and preventing unmeritorious claims? If the system encourages the vast majority of claims to be settled, how can it avoid the 'blackmail effect', which means it will be cheaper for defendants to settle unmeritorious claims than to fight them? How is it possible to avoid excessive transactional costs? etc. In this report, it is considered that one of the important safeguards against the abuses of the U.S. class action system could be the active role of the court in collective redress litigation. Research is needed to see what concrete judicial powers are the most important in that respect. This report tries to achieve this challenge. The first part of the report consists in a comparative analysis of national rules and case law in six Member States (United Kingdom (England & Wales), Germany, Italy, Portugal, Spain and Sweden) to identify which powers of the court in a collective redress trial ensure fair proceedings for both parties and act as safeguards against potential abuses of the system. Cases have been selected to illustrate the issues that arise and some of the creative solutions that have been applied so far by the courts at each stage of a collective redress procedure. The second part of this report aims at looking ahead to ways in which recommendations for an optimal balanced framework for a European collective redress mechanism would be formulated. The result of the case analyses set out in this report attempts to demonstrate whether the European Union might be able to introduce an attractive approach towards collective redress which builds on previous knowledge by fusing different national approaches and provides benefits to consumers, competitors and the economy, without harmful risks.

Public Protection and Disaster Relief (PPDR) agencies rely on the use of Private/Professional Mobile Radio (PMR) technologies such as TETRA, TETRAPOL, and APCO 25 which were conceived in the 1990s, in parallel with the second generation (2G) of mobile communications systems. Whilst PMR systems offer a rich set of voice-centric services, with a number of features matched to the special requirements of PPDR, the data transmission capabilities of these PMR technologies are rather limited and lag far behind the technological advances made in the commercial wireless domain. As a result, Long Term Evolution (LTE) technology for mobile broadband PPDR is increasingly backed as the technology of choice for future PPDR communications, and technical work is currently being undertaken within the 3rd Generation Partnership Project (3GPP), the organisation in charge of LTE standardisation, to add a number of improved capabilities and features to the LTE standard that will further increase its suitability for PPDR and other professional users. This book provides a timely and comprehensive overview of the introduction of LTE technology for PPDR communications. It looks at operational scenarios and emerging multimedia and data-centric applications which have the potential to improve the efficiency of disaster recovery operation. There is a discussion of the main techno-economic drivers which are believed to be pivotal for an efficient and cost-efficient delivery of mobile broadband PPDR communications. The capabilities and features of the LTE standard for improved support of mission-critical communications are also covered, as is the applicability of Mobile Virtual Network Operator (MVNO) models for the delivery of PPDR services through commercial networks. This book offers a wide and deep analysis of the incoming evolution of PPDR domain, covering user need and technologies, normative and economic topics including those in the framework of commercial and PPDR domains' convergence and interoperability. It provides a highly original reference to the driving subjects and trend of PPDR evolution worldwide. Chapter headings include:- Public Protection and Disaster Relief communications / Private Mobile Radio systems / Mobile Broadband data needs and requirements / Mobile Broadband systems for PPDR communications / LTE technology for PPDR / Supplementing LTE / Spectrum use for PPDR / MVNO model for PPDR / Interconnection of PPDR networks / State of play

This report provides an overview of the work of the European Union Committee in session 2012-13. It highlights some of the key policies examined through scrutiny work and inquiries, reflects on the Committee's work with the EU institutions and other national parliaments, and gives a forward look at the work being undertaken in session 2013-14.

This book contains the Proceedings of the 13th World Conference on Titanium.

When Pope Francis wrote in his apostolic letter *The Joy of the Gospel* that the economy of the West is one that "kills," he was immediately labeled by some as a Marxist. Criticisms came fast and furious, not only from financial columnists and conservative cable personalities, but also from some Catholic commentators, especially in the United States. In *This Economy Kills*, two of the most respected journalists covering the Vatican today explore the Pope's teaching and witness on the topic; the ways it relates to other topics like war, the environment, and family life; its connections to the teaching of his predecessors; and the criticism it has generated, especially from the direction of the United

States. This fascinating book includes the full text of an extended interview the authors conducted with Francis on the topic of capitalism and social justice, appearing here in English for the first time. This *Economy Kills* is essential reading for anyone who wants to understand Pope Francis's convictions about the world we live in and the way he believes Christians are called to shape it.

Asian countries are catching up with the West by transforming their primarily agrarian societies into industrial powerhouses. Manufacturing is driving innovation, productivity growth, and higher standards of living for billions of Asians. In the colonial past, the Asian production and supply chains served Western consumers. The world is now poised to evolve, led by a unified Asian business landscape capable of driving sustainable global growth within industries and markets. The *Global Rise of Asian Transformation* provides insights into the complex process of macro-political and economic dynamics reshaping the business landscape throughout Asia. This edited collection lays bare the megatrends that are challenging the region, including emerging consumers, urbanization, infrastructure, climate change, and energy megatrends that will further bolster the region's world standing if governments and businesses handle them adeptly. Case studies of major international companies, such as Sony, Lenovo, and Tata Motors, are also included.

Written by experts in their respective areas, this book is an excellent review of theories, policies and empirical evidences on important topics in global economic development. The book is both a superb teaching tool and a valuable handbook in development economics. The volume compiled 13 articles on contemporary issues influencing the world development. The book covers issues ranging from global financial crisis, the rise of China and the world economic order, multinational corporations, sweat factories and social responsibilities to Japan's nuclear meltdown and sustainable development. The book highlights the impacts of globalization on human well-being and examines the relationship between developed and developing economies in the global perspective. With cases and box illustration, this book is an essential reader for undergraduate students in economic development, international development and development economics. It is also a great reference for more advanced students, as well as a very useful guide to policymakers and practitioners interested in recent advances in global development.

In this revised and much expanded second edition David Ashton provides a comprehensive review of the EU damages directive (Directive 2014/104/EU) and its implementation, bringing the book up to date with the latest advances in EU Competition Law damages actions. This edition also features insights from practising lawyers on national developments in over 10 countries across Europe and an updated, separately authored, chapter on the quantification of loss. This book will provide practising lawyers and scholars alike with a clear, well-structured and updated guide to EU Competition Law Damages.

The European economic crisis has been ongoing since 2008 and while austerity has spread over the continent, it has failed to revive economies. The media have played an important ideological role in presenting the policies of economic and political elites in a favourable light, even if the latter's aim has been to shift the burden of adjustment onto citizens. This book explains how and why, using a critical political economic perspective and focusing on the case of Ireland. Throughout, Ireland is compared with contemporary and historical examples to contextualise the arguments made. The book covers the housing bubble that led to the crash, the rescue of financial institutions by the state, the role of the European institutions and the International Monetary Fund, austerity, and the possibility of leaving the eurozone for Europe's peripheral countries. Through a systematic analysis of Ireland's main newspapers, it is argued that the media reflect elite views and interests and downplay alternative policies that could lead to more progressive responses to the crisis.

Revised edition of the IGCSE Mathematics Core and Extended Coursebook for the 0580 syllabus for examination from 2015.

This paper highlights that one of the most dramatic developments in the 20th century was the entry of women into economic and political spheres previously occupied almost exclusively by men. Although women are making progress in eliminating gender disparities, they still lag men in the workplace and in the halls of government. These gaps are found throughout the world, but are particularly pronounced in developing economies. So far, the greatest success has been in reducing education and health disparities and the least in increasing women's economic and political influence.

This textbook supports your initial teacher education by providing guidance and insight into the professional knowledge and understanding, skills and abilities, and values and commitments necessary in order to succeed in the primary classroom. Coverage includes: View from practice boxes in every chapter exploring real-life examples of intelligent and engaging teaching in schools Thinking points and reflective questions challenging you to engage critically with what you have read and apply it to your own teaching Links to further reading connecting you to specialised literature on every chapter topic Clear discussion of education policy differences across the UK. Mike Carroll is the PGDE (Primary and Secondary) Programme Leader and Director of the MEd Professional Learning and Enquiry programme in the School of Education, University of Glasgow. Margaret McCulloch is a University Teacher within the School of Education, University of Glasgow.

IMF Research Bulletin June 2013 International Monetary Fund

Consumer law, particularly consumer credit law, is characterised by increasingly complex regulation in Western economies. Reacting to the Global Financial Crisis, governments in the UK, the EU, Australia, New Zealand and the United States have adopted new laws dealing with consumer credit, responsible lending, consumer guarantees and unfair contracts. Drawing together authors from all of these jurisdictions, this book analyses and evaluates these initiatives, and makes predictions as to their likely success and possible flaws.

Our Practice and Revision Kit is the only P6 Kit reviewed by the examiner. To achieve success in P6, you need to develop your application skills. The best way to do this is to practise as many exam standard questions as possible and this Kit allows you to do just that. Questions are grouped into topic areas so that you can easily identify those that cover particular areas. Our detailed solutions often provide top tips, advice on how to approach the question or advice on gaining easy marks. There is also a reference so that you know where the topics concerned are covered in the Study Text. We also provide the examiner's comments on past exam questions so that you can see what he is looking for in student answers.

Biodiversity may refer to the diversity of genes, species or ecosystems in general. These varying concepts of biodiversity occasionally lead to conflicts among researchers and policy makers, as each of them require a customized type of protection strategy. This book addresses the questions surrounding the merits of conserving an existing situation, evolutionary development or the intentional substitution of one genome, species or ecosystem for another. Any practical steps towards the protection of biodiversity demand a definition of that which is to be protected and, in turn, the motivations for protecting biodiversity. Is biodiversity a necessary model which is also useful, or does it carry intrinsic value? Debates like this are particularly complex when interested parties address it from different conceptual and moral perspectives. Comprised of three parts, each complemented by a short introductory paragraph, this collection presents a variety of approaches to this challenge. The chapters cover the perspectives of environmental scientists with expertise in evolutionary, environmental biology, systematic zoology and botany, as well as those of researchers with expertise in philosophy, ethics, politics, law and economics. This combination facilitates a truly interdisciplinary debate by highlighting hitherto unacknowledged implications that inform current academic and political debates on biodiversity and its

protection. The book should be of interest to students and researchers of environment studies, biodiversity, environmental philosophy, ethics and management.

This text offers a rethinking of the field of international political economy in an era of growing but uneven globalization. Even as global integration advances, states play central roles as partners with the largest of global firms, as the catalysts of competitiveness and economic growth, as the creators of global institutions, and in promoting and responding to global interdependence. Indeed, the struggle for power and wealth within and among states underscores the primacy of politics in understanding current realities. At the same time, new issues and actors complicate the global agenda as it expands to address the environment, global health, and food security. By offering a clear explanation of basic concepts, contextualizing the presentation of theoretical debates, and placing current events in historical context, *International Political Economy* ensures students a deep understanding of how the global economy works and the ways in which globalization affects their lives and those of people around the world. **Key Content and Features** Engages debates over the reach and significance of globalization. Examines the sources and consequences of global financial instability. Explores the origins and consequences of global inequality. Compares various strategies of development and state roles in competitiveness. Discusses the role of key international economic institutions. Considers the impact of the rise of China on the global economy and the potential for war and peace. Illustrates collective efforts to fight hunger, disease, and environmental threats. Includes numerous graphs and illustrations throughout and end of chapter discussion questions. Links key concepts for each chapter to a glossary at the end of the book. Provides a list of acronyms at the outset and annotated further readings at the end of each chapter. Offers additional resources on a web site related to the text, including a list of links to IPE-related web pages.

We are working with Cambridge International Examinations to gain endorsement for this Student's Book, which offers content in the same order as the latest syllabus and insight from expert authors on every paper. - Ensures relevance with up-to-date case examples from around the world - Gets students focusing on key elements and thinking about Law in the right way with expert tips throughout - Prepares students for assessment with examination questions

This book defines an agenda for research in information management and systems for media and entertainment industries. It highlights their particular needs in production, distribution, and consumption. Chapters are written by practitioners and researchers from around the world, who examine business information management and systems in the larger context of media and entertainment industries. Human, management, technological, and content creation aspects are covered in order to provide a unique viewpoint. With great interdisciplinary scope, the book provides a roadmap of research challenges and a structured approach for future development across areas such as social media, eCommerce, and eBusiness. Chapters address the tremendous challenges in organization, leadership, customer behavior, and technology that face the entertainment and media industries every day, including the transformation of the analog media world into its digital counterpart. Professionals or researchers involved with IT systems management, information policies, technology development or content creation will find this book an essential resource. It is also a valuable tool for academics or advanced-level students studying digital media or information systems.

Endorsed by Cambridge International Examinations. Develop your students computational thinking and programming skills with complete coverage of the latest syllabus from experienced examiners and teachers. - Follows the order of the syllabus exactly, ensuring complete coverage - Introduces students to self-learning exercises, helping them learn how to use their knowledge in new scenarios Accompanying animation files of the key concepts are available to download for free online. See the Quick Links to the left to access. This book covers the IGCSE (0478), O Level (2210) and US IGCSE entry (0473) syllabuses, which are for first examination 2015. It may also be a useful reference for students taking the new Computer Science AS level course (9608).

In 1949, United Nations Constitutional Assistance (UNCA) was conceived to promote the Western liberal constitution. This was colonial trusteeship. However, in 1960, as a step towards decolonization, the United Nations General Assembly rejected internationalized constitution-making, and, by extension, UNCA. All colonies acquired the right to draft their own constitutions without any international assistance. Nonetheless, in the same year, UNCA was revived and since then it has helped over 40 developing sovereign states to adopt the Western liberal constitution, for the aims of building peace, preventing conflict, and promoting good governance in these independent states. This book scrutinizes UNCA and its offshoot, UN/International Territorial Administration (ITA), including their historical origins and revival from 1960 to 2019. Sripathi argues that although the United Nations (UN) uses UNCA to help developing sovereign states secure debt relief, it undertakes UNCA to 'modernize' them with a view to 'strengthen' their supposedly weakened sovereignty. By doing so, the UN is seeking these states' adoption of a Western liberal-style constitution, thus violating their right to self-determination. The book shows how UNCA sires and guides UN (legislative) assistance in all state-sectors: security, judicial, electoral, commercial, parliamentary, public administration, and criminal. Irrespective of UNCA's benevolent motivations, such intrusive interventions impose the old forms of domination and perpetuate global inequality.

The June issue of the IMF Research Bulletin looks at the role of IMF programs and capacity building in fostering structural reforms and the economics of Arab countries undergoing political transitions. The Q&A analyzes the neutral interest rate through the experiences of several Latin American countries. The Research Bulletin also includes its regular features: a listing of IMF Working Papers and Staff Discussion Notes, information on the forthcoming IMF Economic Review and the Fourteenth Jacques Polack Annual Research Conference, and recommended readings from IMF Publications.

Global capitalism is affected by the malaises of stagnation, financial fragility, increased income inequality, growing wealth concentration at the top, and a vanishing fair social contract. This book focuses on the incidence of these phenomena in the US, UK, Greece, Spain, Chile, South Africa, Australia, China, and other countries. The book looks at the effects of

IMF-ECB led austerity policies in Europe. The book examines concrete country and global conditions combining theory, country studies, historical evidence, and international comparative analysis. The book also proposes new policy priorities to restore stability, reduce inequality, and consolidate democracy in 21st century capitalism.

This report welcomes the Bill's potentially human rights enhancing objectives of taking measures to protect the public from crime, at the same time as focusing on rehabilitation and extending positive support to those vulnerable people who receive short-term prison sentences. However, it remains concerned that insufficient information was provided by the Government (i) to demonstrate the compatibility of the provisions of the Bill with relevant international standards other than the ECHR and (ii) to support its assertion that the proposals have been considered fully in line with the requirements of the Equality Act 2010. The Committee calls on the Government to publish the information which demonstrates this without delay. The Committee welcomes the Government's assurance that private providers of probation services are obliged to act compatibly with human rights law but recommends that there should be statutory provision in the Bill setting out the providers' duties. The Committee calls on the Government to develop clear guidance on the human rights obligations of private probation providers, and to set out how it will monitor the performance of the contracted providers in this regard

English summary: The cover-up of child sexual abuse by the Catholic Church has been occurring under the pontificate of six popes since 1922. For 1500 years, the Catholic Church accepted that clergy who sexually abused children deserved to be stripped of their status as priests and then imprisoned. A series of papal and Council decrees from the twelfth century required such priests to be dismissed from the priesthood, and then handed over to the civil authorities for further punishment. That all changed in 1922 when Pope Pius XI issued his decree *Crimen Sollicitationis* that created a de facto privilege of clergy by imposing the secret of the Holy Office on all information obtained through the Church's canonical investigations. If the State did not know about these crimes, then there would be no State trials, and the matter could be treated as a purely canonical crime to be dealt with in secret in the Church courts. Pope Pius XII continued the decree. Pope John XXIII reissued it in 1962. Pope Paul VI in 1974 extended the reach of pontifical secrecy to the allegation itself. Pope John Paul II confirmed the application of pontifical secrecy in 2001, and in 2010, Benedict XVI even extended it to allegations about priests sexually abusing intellectually disabled adults. In 2010, Pope Benedict gave a dispensation to pontifical secrecy to allow reporting to the police where the local civil law required it, that is, just enough to keep bishops out of jail. Most countries in the world do not have any such reporting laws for the vast majority of complaints about the sexual abuse of children. Pontifical secrecy, the cornerstone of the cover up continues. The effect on the lives of children by the imposition of the Church's Top Secret classification on clergy sex abuse allegations may not have been so bad if canon law had a decent disciplinary system to dismiss these priests. The 1983 Code of Canon Law imposed a five year limitation period which virtually ensured there would be no canonical trials. It required bishops to try to reform these priests before putting them on trial. When they were on trial, the priest could plead the Vatican Catch 22 defence he should not be dismissed because he couldn't control himself. The Church claims that all of this has changed. Very little has changed. It has fiddled around the edges of pontifical secrecy and the disciplinary canons. The Church has been moonwalking.

International institutions, from the International Monetary Fund to the International Olympic Committee, are perceived as bastions of sclerotic mediocrity at best and outright corruption at worst, and this perception is generally not far off the mark. In the wake of the 2008 financial crash, Daniel W. Drezner, like so many others, looked at the smoking ruins of the global economy and wondered why global economic governance structure had failed so spectacularly, and what could be done to reform them in the future. But then a funny thing happened. As he surveyed their actions in the wake of the crash, he realized that the evidence pointed to the exact opposite conclusion: global economic governance had succeeded. In *The System Worked*, Drezner, a renowned political scientist and international relations expert, contends that despite the massive scale and reverberations of this latest crisis (larger, arguably, than those that precipitated the Great Depression), the global economy has bounced back remarkably well. Examining the major resuscitation efforts by the G-20 IMF, WTO, and other institutions, he shows that, thanks to the efforts of central bankers and other policymakers, the international response was sufficiently coordinated to prevent the crisis from becoming a full-fledged depression. Yet the narrative about the failure of multilateral economic institutions persists, both because the Great Recession affected powerful nations whose governments managed their own economies poorly, and because the most influential policy analysts who write the books and articles on the crisis hail from those nations. Nevertheless, Drezner argues, while it's true that the global economy is still fragile, these institutions survived the "stress test" of the financial crisis, and may have even become more resilient and valuable in the process. Bucking the conventional wisdom about the new "G-Zero World," Drezner rehabilitates the image of the much-maligned international institutions and demolishes some of the most dangerous myths about the financial crisis. *The System Worked* is a vital contribution to our understanding of an area where the stakes could not be higher.

The IMF's principal statistical publication, *International Financial Statistics (IFS) Online*, is the standard source of international statistics on all aspects of international and domestic finance. For most countries, IFS Online reports data on balance of payments, international investment position, international liquidity, monetary and financial statistics, exchange rates, interest rates, prices, production, government accounts, national accounts, and population. Updated monthly. In recent years, technological advancements have enabled higher-learning institutions to offer millions of independent learners the opportunity to participate in open-access online courses. As this practice expands, drawing considerable media attention, questions continue to arise regarding pedagogical methodology and the long-term viability of open learning. *Furthering Higher Education Possibilities through Massive Open Online Courses* seeks to provide a space for discussion of MOOCs: what they mean for the learning process, how they are redefining the concept of a classroom, and

what effects they may have on the role of teachers. Featuring emerging research on a variety of topics relating to distance education, informal learning, as well as educational costs and funding, this book is aimed at teachers, administrators, business professionals, and designers of both curricular resources and e-classroom technology. This book examines peacekeeping in Africa, exploring how the various actors are forming an African security regime complex. The changing dynamics of peacekeeping in today's world have encouraged a more cooperative approach between international and regional actors. At the centre of this book is the analysis of how an African security regime complex could emerge in the area of cooperative peacekeeping. The African regime complex on peacekeeping includes a number of organizations at the regional and sub-regional African level, as well as global institutions such as the UN, interregional partners like the EU and individual lead nations. This book is the first in providing a systematic overview of peacekeeping doctrines, capacities and deployments of these key actors and single lead states. Theoretically, the book links up with regime complexity scholarship but connects it with dependency theory. Here inter-institutional relations are conceptualised as acts of resource exchange. The book explores how primarily international organizations are partnering by exchanging resources. Empirically, the study analyses the phenomenon of regime complexity in three prominent African crises covering Eastern Africa (Somalia), Central African (Central African Republic) and Western Africa (Mali). This book will be of much interest to students of peacekeeping, international organisations, African politics, security studies and IR in general.

This Cambridge IGCSE® Mathematics Core and Extended series has been authored to meet the requirements of the Cambridge IGCSE® Mathematics syllabus (0580/0980), for first examination from 2020. This second edition of Cambridge IGCSE® Mathematics Core and Extended Coursebook offers complete coverage of the Cambridge IGCSE Mathematics (0580/0980) syllabus. It contains detailed explanations and clear worked examples, followed by practice exercises to allow students to consolidate the required mathematical skills. The coursebook offers opportunities for checking prior knowledge before starting a new chapter and testing knowledge with end-of-chapter and exam-practice exercises. Core and Extended materials are presented within the same book and are clearly signposted to allow students to see the range of mathematics required for study at this level. Answers are at the back of the book.

This volume highlights key challenges for fluid-flow prediction in carbonate reservoirs, the approaches currently employed to address these challenges and developments in fundamental science and technology. The papers span methods and case studies that highlight workflows and emerging technologies in the fields of geology, geophysics, petrophysics, reservoir modelling and computer science. Topics include: detailed pore-scale studies that explore fundamental processes and applications of imaging and flow modelling at the pore scale; case studies of diagenetic processes with complementary perspectives from reactive transport modelling; novel methods for rock typing; petrophysical studies that investigate the impact of diagenesis and fault-rock properties on acoustic signatures; mechanical modelling and seismic imaging of faults in carbonate rocks; modelling geological influences on seismic anisotropy; novel approaches to geological modelling; methods to represent key geological details in reservoir simulations and advances in computer visualization, analytics and interactions for geoscience and engineering.

This legislative scrutiny report on the Children and Families Bill deals with issues to do with adoption and looked after children (Part 1 of the Bill), family justice (Part 2), Special Educational Needs (Part 3), the Children's Commissioner (Part 5) and statutory rights to shared parental leave and pay (Part 6). The Report also includes an analysis of two issues connected with the Energy Bill.

A timely account of the Euro crisis that challenges our assumptions about debt and economic recovery Originally conceived as part of a unifying vision for Europe, the euro is now viewed as a millstone around the neck of a continent crippled by vast debts, sluggish economies, and growing populist dissent. In *Europe's Orphan*, leading economic commentator Martin Sandbu presents a compelling defense of the euro. He argues that rather than blaming the euro for the political and economic failures in Europe since the global financial crisis, the responsibility lies firmly on the authorities of the eurozone and its member countries. The eurozone's self-inflicted financial calamities and economic decline resulted from a toxic cocktail of unforced policy errors by bankers, politicians, and bureaucrats; the unhealthy coziness between finance and governments; and, above all, an extreme unwillingness to restructure debt. Sandbu traces the origins of monetary union back to the desire for greater European unity after the Second World War. But the euro's creation coincided with a credit bubble that governments chose not to rein in. Once the crisis hit, a battle of both ideas and interests led to the failure to aggressively restructure sovereign and bank debt. Ideologically informed choices set in motion dynamics that encouraged more economic mistakes and heightened political tensions within the eurozone. Sandbu concludes that the prevailing view that monetary union can only work with fiscal and political union is wrong and dangerous—and risks sending the continent into further political paralysis and economic stagnation. Contending that the euro has been wrongfully scapegoated for the eurozone's troubles, *Europe's Orphan* charts what actually must be done for the continent to achieve an economic and political recovery. This revised edition contains a new preface addressing the economic and political implications of Brexit, as well as updated text throughout. *Europe's Orphan* charts what actually must be done for the continent to achieve a full recovery.

This edited volume explores development in the so-called 'fragile', 'failed' and 'pariah' states. It examines the literature on both fragile states and their development, and offers eleven case studies on countries ranking in the 'very high alert' and 'very high warning' categories in the Fund for Peace Failed States Index.

The renaissance in urban theory draws directly from a fresh focus on the neglected realities of cities beyond the west and embraces the global south as the epicentre of urbanism. This Handbook engages the complex ways in which cities of the global south and the global north are rapidly shifting, the imperative for multiple genealogies of knowledge production, as well as a diversity of empirical entry points to understand contemporary urban dynamics. The Handbook works towards a geographical realignment in urban studies, bringing into conversation a wide array of cities across the global south – the 'ordinary', 'mega', 'global' and 'peripheral'. With interdisciplinary contributions from a range of leading international experts, it profiles an emergent and geographically diverse body of work. The contributions draw on conflicting and divergent debates to open up discussion on the meaning of the city in, or of, the global south; arguments that are fluid and increasingly contested geographically and conceptually. It reflects on critical urbanism, the macro- and micro-scale forces that shape cities, including ideological,

demographic and technological shifts, and constantly changing global and regional economic dynamics. Working with southern reference points, the chapters present themes in urban politics, identity and environment in ways that (re)frame our thinking about cities. The Handbook engages the twenty-first-century city through a 'southern urban' lens to stimulate scholarly, professional and activist engagements with the city.

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