

2014 Life Science March Question Paper Grade 12

A historic energy revolution is underway in the United States. Wind, sunlight, and other sustainable resources are now the fastest growing sources of energy in the U.S. and worldwide. American families are installing power plants on their roofs and entire communities are switching to 100 percent renewable energy. The urgent need to prevent climate change is causing people around the planet to question their reliance on carbon-intensive oil, coal, and natural gas. Author Bill Ritter, Jr., the 41st governor of Colorado and one of America's key thought leaders on this topic, discusses the forces behind the energy revolution, the new ways we must think about energy, and the future of fossil and renewable fuels. It is an essential read for any who want to understand one of history's biggest challenges to peace, prosperity, and security in the United States. Written in partnership with the Center for a New Energy Economy.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 273 questions and answers for job interview and as a BONUS 230 links to video movies. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 288 questions and answers for job interview and as a BONUS web addresses to 289 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

This step-by-step guide to medical technology innovation, now in full color, has been rewritten to reflect recent trends of industry globalization and value-conscious healthcare. Written by a team of medical, engineering, and business experts, the authors provide a comprehensive resource that leads students, researchers, and entrepreneurs through a proven process for the identification, invention, and implementation of new solutions. Case studies on innovative products from around the world, successes and failures, practical advice, and end-of-chapter 'Getting Started' sections encourage readers to learn from real projects and apply important lessons to their own work. A wealth of additional material supports the book, including a collection of nearly one hundred videos created for the second edition, active links to external websites, supplementary appendices, and timely updates on the companion website at ebiodesign.org. Readers can access this material quickly, easily, and at the most relevant point in the text from within the ebook.

Differentiate yourself in a competitive marketplace with SUPERVISION: CONCEPTS AND PRACTICES OF MANAGEMENT, 13E. A blend of traditional management concepts and emerging insights, the text draws from the authors' firsthand business experience to deliver the leadership skills hiring managers want but rarely find in new recruits. This comprehensive single source for supervisory management expertise addresses the most critical challenges in business today, including globalization, economic turbulence, transitional and temporary workers, virtual employees, technology, outsourcing, and downsizing. Hands-on and practical, the text complements chapter readings with skill-building techniques and captivating video cases from well-known organizations, letting you experience supervisory roles yourself. Special attention to diversity and ethics also helps you develop a better sense of life beyond the classroom and enhances the text's extensive coverage of communication, decision making, conflict resolution, and other essential supervisory skills. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 150 questions and answers for job interview and as a BONUS web addresses to 230 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 290 questions and answers for job interview and as a BONUS web addresses to 295 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

Words are everywhere in the museum. Amidst all the visual exhibits, and in many non-exhibition areas, swarm a host of words, talking to a vast swath of people in ways that visuals cannot. Signage at the information desk, brochures, exhibition videos, guided tours, membership materials, apps, and store labels: in a multi-screen world, where information explodes in every corner of the field of vision, clarity comes from the presence of words among the feast of visuals, helping contemporary audiences feel at home. Research bears out the need for a range of learning tools and it's not just

visitors who benefit from verbal cues; donors, educators, community partners, and volunteers will all engage more effectively with the museum that explains its brand mission with good writing. Whether written by administrators, staffers, freelancers, or interns, words are delivered by people in your museums with the knowledge that they will be interpreted by strangers. Your story is told everywhere, and with each narration it reinforces your brand; hopefully every single word reflects your brand. Each chapter tells how to put into words the stories you need to tell including: Blogs Brochures Exhibition videos Guided tour scripts Collateral programming talks Marketing plans Proposals to community partners Public Relations releases Social Media Solicitation letters Surveys Volunteer communications Website If you ever wished for a good writer, right on staff, ready to take on project, major or routine, here's the help you're looking for.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 273 questions and answers for job interview and as a BONUS web addresses to 100 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

Prepare for a successful career as a community/public health nurse! Public Health Nursing: Population-Centered Health Care in the Community, 9th Edition provides up-to-date information on issues that impact public health nursing, such as infectious diseases, natural and man-made disasters, and health care policies affecting individuals, families, and communities. Real-life scenarios show examples of health promotion and public health interventions. New to this edition is an emphasis on QSEN skills and an explanation of the influence of the Affordable Care Act on public health. Written by well-known nursing educators Marcia Stanhope and Jeanette Lancaster, this comprehensive, bestselling text is ideal for students in both BSN and Advanced Practice Nursing programs. Evidence-Based Practice and Cutting Edge boxes illustrate the use and application of the latest research findings in public/community health nursing. Healthy People 2020 boxes highlight goals and objectives for promoting the nation's health and wellness over the next decade. Levels of Prevention boxes identify specific nursing interventions at the primary, secondary, and tertiary levels. Practice Application scenarios help you apply chapter content to the practice setting by analyzing case situations and answering critical thinking questions. Linking Content to Practice boxes provide examples of the nurse's role in caring for individuals, families, and populations in community health settings. Unique! Separate chapters on healthy cities, the Minnesota Intervention Wheel, and nursing centers describe different approaches to community health initiatives.

Community/Public Health Nursing Online consists of 14 modules that bring community health situations to life, each including a reading assignment, case scenarios with learning activities, an assessment quiz, and critical thinking questions. Sold separately. NEW! Coverage of health care reform discusses the impact of The Patient Protection and Affordable Care Act of 2010 (ACA) on public health nursing. NEW! Focus on Quality and Safety Education for Nurses boxes give examples of how quality and safety goals, knowledge, competencies and skills, and attitudes can be applied to nursing practice in the community.

The best classes have a life of their own, powered by student-led conversations that explore texts, ideas, and essential questions. In these classes, the teacher's role shifts from star player to observer and coach as the students Think critically, Work collaboratively, Participate fully, Behave ethically, Ask and answer high-level questions, Support their ideas with evidence, and Evaluate and assess their own work. The Spider Web Discussion is a simple technique that puts this kind of class within every teacher's reach. The name comes from the weblike diagram the observer makes to record interactions as students actively participate in the discussion, lead and support one another's learning, and build community. It's proven to work across all subject areas and with all ages, and you only need a little know-how, a rubric, and paper and pencil to get started. As students practice Spider Web Discussion, they become stronger communicators, more empathetic teammates, better problem solvers, and more independent learners—college and career ready skills that serve them well in the classroom and beyond. Educator Alexis Wiggins provides a step-by-step guide for the implementation of Spider Web Discussion, covering everything from introducing the technique to creating rubrics for discussion self-assessment to the nuts-and-bolts of charting the conversations and using the data collected for formative assessment. She also shares troubleshooting tips, ideas for assessment and group grading, and the experiences of real teachers and students who use the technique to develop and share content knowledge in a way that's both revolutionary and truly inspiring.

Petrogav International provides courses for participants that intend to work on offshore drilling and production platforms. Training courses are taught by professionals from the oil and gas industry with current knowledge and years of field experience. The participants will get all the necessary competencies to work on the offshore drilling platforms and on the offshore production platforms. It is intended also for non-drilling and non-production personnel who work in drilling, exploration and production industry. This includes marine and logistics personnel, accounting, administrative and support staff, environmental professionals, etc. This course provides a non-technical overview of the phases, operations and terminology used on offshore oil and gas platforms. It is intended also for non-production personnel who work in the offshore drilling, exploration and production industry. This includes marine and logistics personnel, accounting, administrative and support staff, environmental professionals, etc. No prior experience or knowledge of drilling operations is required. This course will provide participants a better understanding of the issues faced in all aspects of production operations, with a particular focus on the unique aspects of offshore operations.

Sports betting has become a truly global phenomenon, facilitated by new communication technologies. As a result, the development of deviances, from match-fixing to money laundering, has accelerated. This new reality has numerous implications, for both the regulation of this billion-dollar industry and the very integrity of sport, sport financing and betting operations. Written by an international team of academic researchers and industry professionals, International Sports Betting explores the central concepts of integrity and deviance, governance and policy, as well as perennial issues linked to the gambling sector, such as regulatory responsibilities and the fight against gambling addiction. Unlike other treatments of the gambling industry, the book offers a multi-disciplinary sociological and managerial critique that goes beyond a traditional focus on law and regulation. This is fascinating reading for any student, researcher or practitioner working in the areas of sport business, international business, international regulation, policy studies or gambling studies.

We have an uneasy relationship with the relentless deluge of information gushing out of academia and our media outlets. To turn it off is escapist, but to attempt to cognitively grapple with it is overwhelming. In *Unforgettable: Enabling Deep and Durable Learning*, a nationally recognized master teacher gives professors and their students the means to chart a clear path through this information explosion. Humans crave explanatory patterns, and this book enables teachers to think deeply about their academic disciplines to find and articulate their core explanatory principles and to engage their students in a compelling way of thinking. An alternative title for this book could be *Why the Best College Teachers Do What They Do* because the author articulates a compelling rationale that will equip faculty to create and deliver transformative courses. Students in transformative courses grapple with essential questions and gain mental muscle that equips them for real world challenges.

This book analyzes the energy security of the United States – its ability to obtain reliable, affordable, and sufficient supplies of energy while meeting the goals of achieving environmental sustainability and protecting national security. The economic and national security of the United States is largely dependent upon fossil fuels, especially oil. Without significant changes to current practices and patterns of energy production and use, the domestic and global impacts – security, economic, and environmental – are expected to become worse over the coming decades. Growing US and global energy demands need to be met and the anticipated impacts of climate change must be avoided – all at an affordable price, while avoiding conflict with other nations that have similar goals. Bernell and Simon examine the current and prospective landscape of American energy policy, from tax incentives and mandates at the federal and state level to promote wind and solar power, to support for fracking in the oil and natural gas industries, to foreign policies designed to ensure that markets and cooperative agreements — not armies, navies and rival governments — control the supply and price of energy resources. They look at the variety of energy related challenges facing the United States and argue that public policies designed to enhance energy security have at the same time produced greater insecurity in terms of fostering rising (and potentially unmet) energy needs, national security threats, economic vulnerability, and environmental dangers.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 200 questions and answers for job interview and as a BONUS web addresses to 309 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

This two-volume book unveils trends, strengths, weaknesses and overall dynamics and implications of social entrepreneurship in the Middle East region, whilst identifying both opportunities and threats facing social entrepreneurship and supplements through a wealth of insights and examples inspired from practice and current applications.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 150 questions and answers for job interview and as a BONUS 230 links to video movies. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

Libraries organize information and data is information, so it is natural that librarians should help people who need to find, organize, use, or store data. Organizations need evidence for decision making; data provides that evidence. Inventors and creators build upon data collected by others. All around us, people need data. Librarians can help increase the relevance of their library to the research and education mission of their institution by learning more about data and how to manage it. *Data Management* will guide readers through: Understanding data management basics and best practices. Using the reference interview to help with data management Writing data management plans for grants. Starting and growing a data management service. Finding collaborators inside and outside the library. Collecting and using data in different disciplines.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 271 questions and answers for job interview and as a BONUS 282 links to video movies and 205 web addresses to recruitment companies where you may apply for a job. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

The book contains 256 questions and answers for job interview for hiring on onshore drilling rigs.

"Louise Stephen's powerful, no-holds-barred demolition of Big Food dissects the profit motive that has filled our food supply with toxic oils and sugar, and shows us how money is destroying our health." DAVID GILLESPIE Our diet has changed radically in the space of 100 years. We have swapped home-cooked food made with whole ingredients for processed food made from sugar, seed oils and refined wheat. Modern-day food is cheap, convenient and accessible, but also hugely destructive to our health. Former business consultant Louise Stephen developed an autoimmune disease in her early thirties, which led to renal failure and a kidney transplant. As a middle-class professional from a wealthy Western country, she was perplexed as to how she had become so ill. She started to investigate, using her business and research skills to find out what she could about diet and how it relates to health. What she uncovered will change the way you think about processed food - frozen dinners, breakfast cereals, packaged snacks, dips, flavoured drinks, bottled sauces - and the industry that is profiting from the commodification and toxication of our food supply. Stephen shows us how Big Food is picking up where Big Tobacco left off, employing skilful marketing to nudge us towards increasingly

processed food, while hoping we'll fail to notice the commensurate rise in obesity and decline in health. Stephen reveals how governments and peak health bodies are often powerless to intervene and, even worse, are sometimes complicit in convincing us to ditch our wholefood ingredients for factory-made products. This is not a diet book. Meticulously researched and compellingly argued, *Eating Ourselves Sick* shines a light on the powerful forces that stand between us and a healthy diet.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 200 questions and answers for job interview and as a BONUS web addresses to 200 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

Innovation is a translation of a new method, idea, or product into reality and profit. It is a process of connected steps that accumulates into a brand reputation required for success. Unlike Fortune 500 companies, whose projects are self-funded, a start-up must simultaneously have a value proposition that attracts a customer (for revenue), investors (for capital), and acquirers (for a liquidity event or IPO). A high percentage of start-ups fail before attaining positive cashflow, due to a variety of reasons that are detailed in this book. Avoiding the pitfalls and wrong turns are the goals of this book. *Innovation, Commercialization, and Start-Ups in Life Sciences* details the methodologies necessary to create a successful life science start-up from initiation to exit. Written by an expert who has worked with more than 500 life science start-ups, this book discusses specific processes and investor milestones that must be navigated to align customer, funder, and acquirer needs. Successful commercialization requires attention to multiple constituents, such as investors, regulators, and customers. Investors require liquidity for their return, which is achieved through selling their stock in a public or private sale. The reader will gain an appreciation for the necessary data, partnerships, and skills needed to create a competitive and sustainable company. The author discusses such specific issues as customer problems, demonstrating sales access, and ensuring intellectual property is impervious to competitive advancement. This book is intended to be suitable for entrepreneurs, venture capitalists, and investors in both business and academic settings. These organizations have specific departments, such as R&D, operations, business development, legal, regulatory, and marketing, that would also benefit from this book. **FEATURES** Focuses specifically on life science start-ups Examines how to determine a company valuation and future "fundable milestones" Explores how to align regulatory and clinical strategies Discusses intellectual property derived from a university or individual through formation to exit. Reviews how start-ups must simultaneously meet the needs of multiple constituencies at once: investors, regulators, customers and exit candidates James F. Jordan is an author, consultant, and speaker. He is a Distinguished Service Professor of Healthcare & Biotechnology Management, a former Fortune 100 executive, and a managing director of a venture fund. Access the Support Material: <https://healthcaredata.center/> Cover design by Sarah Mailhott.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 100 questions and answers for job interview and as a BONUS 230 links to video movies. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

Learn Sociology YOUR Way with SOC! SOC's easy-reference, textbook presents course content through visually engaging chapters as well as Chapter Review Cards that consolidate the best review material into a ready-made study tool. With the textbook or on its own, SOC MindTap allows you to learn on your terms. Read or listen to textbooks and study with the aid of instructor notifications, flashcards and practice quizzes. Track your scores and stay motivated toward your goals. Whether you have more work to do or are ahead of the curve, you'll know where you need to focus your efforts. And the MindTap Green Dot will charge your confidence along the way. When it's time to study, everything you've flagged or noted can be gathered into a guide you can organize. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 273 questions and answers for job interview and as a BONUS web addresses to 218 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

The Intersection of Star Culture in America and International Medical Tourism: Celebrity Treatment argues that celebrity cases and media content drive awareness of medical tourism among Americans at a time when the medical system is under intense scrutiny. By popularizing international sites for treatment, procedures not available in the US, and different approaches to patient care, media narratives present options for health care, triggering dialogue on one of America's most important human welfare issues.

In the past few years, interest in plug-in electric vehicles (PEVs) has grown. Advances in battery and other technologies, new federal standards for carbon-dioxide emissions and fuel economy, state zero-emission-vehicle requirements, and

the current administration's goal of putting millions of alternative-fuel vehicles on the road have all highlighted PEVs as a transportation alternative. Consumers are also beginning to recognize the advantages of PEVs over conventional vehicles, such as lower operating costs, smoother operation, and better acceleration; the ability to fuel up at home; and zero tailpipe emissions when the vehicle operates solely on its battery. There are, however, barriers to PEV deployment, including the vehicle cost, the short all-electric driving range, the long battery charging time, uncertainties about battery life, the few choices of vehicle models, and the need for a charging infrastructure to support PEVs. What should industry do to improve the performance of PEVs and make them more attractive to consumers? At the request of Congress, *Overcoming Barriers to Deployment of Plug-in Electric Vehicles* identifies barriers to the introduction of electric vehicles and recommends ways to mitigate these barriers. This report examines the characteristics and capabilities of electric vehicle technologies, such as cost, performance, range, safety, and durability, and assesses how these factors might create barriers to widespread deployment. *Overcoming Barriers to Deployment of Plug-in Electric Vehicles* provides an overview of the current status of PEVs and makes recommendations to spur the industry and increase the attractiveness of this promising technology for consumers. Through consideration of consumer behaviors, tax incentives, business models, incentive programs, and infrastructure needs, this book studies the state of the industry and makes recommendations to further its development and acceptance.

The first holistic and thematic study of EU health law, and its implications, through its own internal logics.

The Future of Humanity seeks to answer the question: "What kind of global civilization should human beings pursue and what do we have to do collectively?" one a question that has preoccupied scholars, philosophers and politicians for centuries. In doing so, the book tackles concepts as monumental as the keys to happiness, alien nonconventional intelligence, immortality, morality and China's possible role in bringing about a better world joining this global discussion. To navigate these many and complex topics, Jin combines the spiritual insights of ancient Chinese thinkers with a deep respect for the accomplishments and discoveries of modern Western science, exploring and explaining her distinct vision for a what a better, global future civilization could be.

This book looks at the many opportunities for teen activism and shows how more teens can get involved in causes that are important to them. Among the causes most important to teens covered in this book are campaigns for animal rights and world peace and against sexual violence, discrimination, and hate crimes. The book also discusses the pro and cons of hot bed issues like gun control and immigration reform.

To succeed in science and tech fields today, girls don't have to change who they are. A girl who combines her natural talents, interests, and dreams with STEM skills has a greater shot at a career she loves and a salary she deserves. The authors present compelling research in a conversational, accessible style and provide specific advice and takeaways for each stage of schooling from elementary school through college, followed by comprehensive STEM resources. This isn't a book about raising competitive, test-acing girls in lab coats; this is about raising happy, confident girls who realize the world of opportunities before them.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 200 questions and answers for job interview and as a BONUS web addresses to 230 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

This book offers you a brief, but very involved look into the operations in the drilling of an oil & gas wells that will help you to be prepared for job interview at oil & gas companies. From start to finish, you'll see a general prognosis of the drilling process. If you are new to the oil & gas industry, you'll enjoy having a leg up with the knowledge of these processes. If you are a seasoned oil & gas person, you'll enjoy reading what you may or may not know in these pages. This course provides a non-technical overview of the phases, operations and terminology used on offshore drilling platforms. It is intended also for non-drilling personnel who work in the offshore drilling, exploration and production industry. This includes marine and logistics personnel, accounting, administrative and support staff, environmental professionals, etc. No prior experience or knowledge of drilling operations is required. This course will provide participants a better understanding of the issues faced in all aspects of drilling operations, with a particular focus on the unique aspects of offshore operations.

In September 2011, scientists announced new experimental findings that would not only threaten the conduct and publication of influenza research, but would have significant policy and intelligence implications. The findings presented a modified variant of the H5N1 avian influenza virus (hereafter referred to as the H5N1 virus) that was transmissible via aerosol between ferrets. These results suggested a worrisome possibility: the existence of a new airborne and highly lethal H5N1 virus that could cause a deadly global pandemic. In response, a series of international discussions on the nature of dual-use life science arose. These discussions addressed the complex social, technical, political, security, and ethical issues related to dual-use research. This Research Topic will be devoted to contributions that explore this matrix of issues from a variety of case study and international perspectives.

This edited volume introduces readers to the relationship between higher education and transnational politics. It shows how higher education is a significant arena for regional and international transformation as well as domestic political struggle replete with unequal power relations. This volume shows: The causes and impacts of recent transformations in higher education within a transnational context; Emerging similarities in objectives, institutional set-ups, and approaches taking place within higher education institutions across different world regions; The asymmetrical relations between

various kinds of institutional, commercial and state actors across borders; The extent to which historical and colonial legacies are important in the transformation of higher education; The potential effects these developments have on the current structure of international political order. Drawing on case studies from across the Middle East, Asia, Africa, Latin America, and Europe, the contributors develop diverse perspectives explaining the impact of transnational politics on higher education—and higher education on transitional politics—across time and locality. This book is among the first multi-disciplinary effort to wrestle with the question of how we can understand the political role of higher education, and the political force universities exert in the realm of international relations.

Paradigms in Computing: Making, Machines, and Models for Design Agency in Architecture brings together critical, theoretical, and practical research and design that illustrates the plurality of computing approaches within the broad spectrum of design and mediated practices. It is an interrogation of our primary field of architecture through the lens of computing, and yet one that realizes a productive expanding of our *métier's* definition and boundaries. It is a compilation that purposefully promotes architecture's disciplinary reach and incorporations beyond the design and construction of buildings and cities. The book offers a glimpse into the wide range of positions and experiences that are shaping practice and discourse today. The work included in *Paradigms in Computing* is evidence that models for enquiry are many and proliferating. As digitalization and computation continue to infuse our processes with new tools and new design environments, some of the trends collected in this book will continue to be central to the production and speculation of architecture, and others will, in retrospect, be recognized as the seeds of new, or perhaps multiple, paradigms. Included are essays and projects, from; Alisa Andrasek, Rachel Armstrong, Philip Beesley, Tom Bessai, Shajay Bhooshan, Brad Cantrel, Matias Del Campo, Pablo Eiroa, Marc Fornes, David Jason Gerber, Maria Paz Gutierrez, Alvin Huang, Jason Kelly Johnson, Simon Kim, Neil Leach, Greg Lynn, Elena and Anna Maria Manferdini, Alex McDowell, Phillippe Morel, Nick Puckett, Casey Reas, Alex Robinson, Jenny Sabin, Jose Sanchez, Patrik Schumacher, Kyle Steinfeld, Satoru Sugihara, Orkan Telhan, Kathy Velikov and Geoffrey Thun, Tom Verebes, Leire Asensio Villoria and David Mah, Jenny Wu, Eric Howeler and Meejin Yoon, and Zaha Hadid Architects.

The Patient Will See You Now: The Future of Medicine Is in Your Hands Hachette UK

The essential guide by one of America's leading doctors to how digital technology enables all of us to take charge of our health. A trip to the doctor is almost a guarantee of misery. You'll make an appointment months in advance. You'll probably wait for several hours until you hear "the doctor will see you now"—but only for fifteen minutes! Then you'll wait even longer for lab tests, the results of which you'll likely never see, unless they indicate further (and more invasive) tests, most of which will probably prove unnecessary (much like physicals themselves). And your bill will be astronomical. In *The Patient Will See You Now*, Eric Topol, one of the nation's top physicians, shows why medicine does not have to be that way. Instead, you could use your smartphone to get rapid test results from one drop of blood, monitor your vital signs both day and night, and use an artificially intelligent algorithm to receive a diagnosis without having to see a doctor, all at a small fraction of the cost imposed by our modern healthcare system. The change is powered by what Topol calls medicine's "Gutenberg moment." Much as the printing press took learning out of the hands of a priestly class, the mobile internet is doing the same for medicine, giving us unprecedented control over our healthcare. With smartphones in hand, we are no longer beholden to an impersonal and paternalistic system in which "doctor knows best." Medicine has been digitized, Topol argues; now it will be democratized. Computers will replace physicians for many diagnostic tasks, citizen science will give rise to citizen medicine, and enormous data sets will give us new means to attack conditions that have long been incurable. Massive, open, online medicine, where diagnostics are done by Facebook-like comparisons of medical profiles, will enable real-time, real-world research on massive populations. There's no doubt the path forward will be complicated: the medical establishment will resist these changes, and digitized medicine inevitably raises serious issues surrounding privacy. Nevertheless, the result—better, cheaper, and more human health care—will be worth it. Provocative and engrossing, *The Patient Will See You Now* is essential reading for anyone who thinks they deserve better health care. That is, for all of us.

In China, as elsewhere, the debate over genetically modified organisms has become polarized into anti- and pro-GMO camps. Given the size of China's population and market, much is at stake in conflicts over regulation for domestic as well as international actors. In this book, Cong Cao provides an even-handed analysis that illuminates the tensions that have shaped China's policy toward agricultural biotechnology in a global perspective. Cao presents a comprehensive and systematic analysis of how China's policy toward research and commercialization of genetically modified crops has shifted that explains how China's changing GMO stances reflect its evolving position on the world stage. While China's scientific community has set the agenda, it has encountered resistance rooted in concerns over food safety and consumers' rights as well as issues of intellectual property rights and food sovereignty. Although Chinese leaders at first sought to take advantage of the biotech revolution by promoting GMO crop consumption, Cao demonstrates that policy has since become precautionary, as seen in new laws and regulations grounded in concerns over safety and the deferral of commercialization of GM rice. He presents China's policies in light of changing global attitudes toward GM crops: As shifts in China have closely followed global trends, so has domestic activism. Drawing on government and scientific documents as well as interviews with scientists, officials, policy analysts, activists, and journalists, *GMO China* is an important book for China studies, science and technology studies, policy analysts, and professionals interested in the Chinese biotechnology market.

[Copyright: f5a18a89b4473dc6308d2935474b63f5](https://www.amazon.com/dp/B009838384)