

Second Edition Introduction To Marine Engineering

Marine Auxiliary Machinery, Seventh Edition is a 16-chapter text that covers the significant advances in marine auxiliary machinery relevant to the certification of competency examinations. The introductory chapters deal with the basic components of marine machineries, such as propulsion system, heat exchanger, valves, and pipelines. The succeeding chapters describe the pumps and pumping system, specifically the tanker and gas carrier cargo pumps. Considerable chapters are devoted to the operation of machinery's major components, including the propeller shaft, steering gear, auxiliary power, bow thrusters, and stabilizers. Other chapters consider the refrigeration, heating, ventilation, and air conditioning systems. The final chapters tackle the safety system of marine auxiliary machinery, particularly the fire protection, safety, instrumentation, and control systems. This book will prove useful to marine and mechanical engineers.

Scientists and the Sea is a history of how the scientific study of the sea has developed over a period of nearly 2500 years. Beginning with the speculations of Greek philosophers it carries the story forward, showing how curiosity about the ocean appeared in many different forms and locations before, in the late 19th century, the first deep-sea researches heralded the foundation of the science known today as oceanography. Originally published in 1971, this book has never been superseded as the most comprehensive and wide-ranging treatment of the emergence of marine science within the western scientific tradition. After three introductory chapters dealing with knowledge up to the Renaissance, the main part of the work shows how pioneers of scientific observation at sea during the 17th and 18th centuries made notable discoveries, but that it was not until the middle of the 19th century when, aided by the advance of technology, scientists were able to undertake the first explorations of the ocean depths. This second edition contains a new introduction and bibliography.

The oceans are our planet's most distinctive and imposing natural habitat. They cover 71 per cent of its surface; support a remarkably diverse and exquisitely adapted array of life forms, from microscopic viruses, bacteria, and plankton to the largest existing animals; and possess many of Earth's most significant, intriguing, and inaccessible ecosystems. In an era in which humans are significantly altering the global environment, the oceans are undergoing rapid and profound changes. The study of marine biology is thus taking on added importance and urgency as people struggle to understand and manage these changes to protect our marine ecosystems. Healthy oceans produce half of the oxygen we breathe; stabilize our climate; create ecosystems that protect our coasts from storms; provide us with abundant food; and host diverse organisms that provide us with natural products for medicine and biotechnology. In this **Very Short Introduction**, marine biologist Philip Mladenov provides an accessible and up-to-date overview of marine biology, offering a tour of marine life and marine processes that ranges from the unimaginably abundant microscopic organisms that drive the oceans' food web to the apex predators that we exploit for food; from polar ocean ecosystems to tropical coral reefs; and from the luxurious kelp beds of the coastal ocean to deep-ocean hydrothermal vents where life exists without the energy of the sun. Throughout the book he considers the human impacts on marine life including overfishing, plastic and nutrient pollution, the spread of exotic species, and ocean warming and acidification. He discusses the threats these pose to our welfare, and the actions required to put us on a path to a more sustainable relationship with our oceans so that they can be restored and protected for future generations. Mladenov concludes with a new chapter offering an inspiring vision for the future of our oceans in 2050 that can be realised if we are wise enough to accelerate actions already underway and be bold with implementing new approaches. The next decade will decide the state of the oceans that we leave behind for future generations. **ABOUT THE SERIES:** The **Very Short Introductions** series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable. **Modelling of marine ecosystems** is a rapidly developing branch of interdisciplinary oceanographic research. **Introduction to the Modelling of Marine Ecosystems** is the first consistent and comprehensive introduction to the development of models of marine ecosystems. It begins with simple first steps of modelling and develops more and more complex models. This step-by-step approach to increasing the complexity of the models is intended to allow students of biological oceanography and interested scientists with only limited experience in mathematical modelling to explore the theoretical framework and familiarize oneself with the methods. The book describes how biological model components can be integrated into three dimensional circulation models and how such models can be used for 'numerical experiments'. The book illustrates the mathematical aspects of modelling and gives application examples. The tutorial aspect of the book is supported by a set of MATLAB programs, which are provided on an accompanying CD-Rom and which can be used to reproduce many of the results presented in the book. Also available in paperback, ISBN 0-444-51704-9

Marine Electrical Equipment and Practice

Biological Oceanography: An Introduction

Marine Mammals

Marine Mammals of the World: A Comprehensive Guide to Their Identification

Oceanography and Marine Biology

An Introduction to Marine Biogeochemistry focuses on the ocean's role in the biogeochemical cycling of selected elements and the impact of humans on the cycling of these elements. Among the topics covered are the chemical composition of seawater from the perspectives of elemental speciation and the impacts of solutes on water's physical behavior; biogeochemical phenomena which control accumulation and preservation of marine sediments; marine chemistry of radioactive and stable isotopes; and seawater pollution. The book contains many examples as well as steady-state models to aid readers in understanding this growing and complex science.. *The focus of **Introduction to Marine Biogeochemistry** is the concept of the ocean as a system, linking land and atmospheric processes. *The text integrates the most current research, allowing students to learn concepts in context *Includes detailed coverage of computational aspects *Offers an online companion site, including a full study guide, available for students

This new edition of **Biological Oceanography** has been greatly updated and expanded since its initial publication in 2004. It presents current understanding of ocean ecology emphasizing the character of marine organisms from viruses to fish and worms, together with their significance to their habitats and to each other. The book initially emphasizes pelagic organisms and processes, but benthos, hydrothermal vents, climate-change effects, and fisheries all receive attention. The chapter on oceanic biomes has been greatly expanded and a new chapter reviewing approaches to pelagic food webs has been added. Throughout, the book has been revised to account for recent advances in this rapidly changing field. The increased importance of molecular genetic data across the field is evident in most of the chapters. As with the previous edition, the book is primarily written for senior undergraduate and graduate students of ocean ecology and professional marine ecologists. Visit www.wiley.com/go/miller/oceanography to access the artwork from the book.

Focuses on the ocean's role in the global biogeochemical cycling of selected elements and the impact of humans on the transport of these elements. Among the topics covered are the chemical composition of seawater from the perspectives of elemental speciation and the impact of solutes on water's physical behavior; biogeochemical phenomena which control accumulation and preservation of marine sediments; marine chemistry of radioactive and stable isotopes; seawater pollution. Contains many examples as well as steady-state models to aid readers in understanding this relatively young, growing and complex science.

Introduction to Petroleum Seismology, second edition (SEG Investigations in Geophysics Series No. 12) provides the theoretical and practical foundation for tackling present and future challenges of petroleum seismology especially those related to seismic survey designs, seismic data acquisition, seismic and EM modeling, seismic imaging, microseismicity, and reservoir characterization and monitoring. All of the chapters from the first edition have been improved and/or expanded. In addition, twelve new chapters have been added. These new chapters expand topics which were only alluded to in the first edition: sparsity representation, sparsity and nonlinear optimization, near-simultaneous multiple-shooting acquisition and processing, nonuniform wavefield sampling, automated modeling, elastic-electromagnetic mathematical equivalences, and microseismicity in the context of hydraulic fracturing. Another major modification in this edition is that each chapter contains analytical problems as well as computational problems. These problems include MatLab codes, which may help readers improve their understanding of and intuition about these materials. The comprehensiveness of this book makes it a suitable text for undergraduate and graduate courses that target geophysicists and engineers as well as a guide and reference work for researchers and professionals in academia and in the petroleum industry.

Introduction to Marine Cargo Management

Marine Policy

Cases and Materials on the Law of the Sea, Second Edition

Introduction to Marine Biogeochemistry

Seawater: Its Composition, Properties and Behaviour

Marine dissolved organic matter (DOM) is a complex mixture of molecules found throughout the world's oceans. It plays a key role in the export, distribution, and sequestration of carbon in the oceanic water column, posited to be a source of atmospheric climate regulation. Biogeochemistry of Marine Dissolved Organic Matter, Second Edition, focuses on the chemical constituents of DOM and its biogeochemical, biological, and ecological significance in the global ocean, and provides a single, unique source for the references, information, and informed judgments of the community of marine biogeochemists. Presented by some of the world's leading scientists, this revised edition reports on the major advances in this area and includes new chapters covering the role of DOM in ancient ocean carbon cycles, the long term stability of marine DOM, the biophysical dynamics of DOM, fluvial DOM qualities and fate, and the Mediterranean Sea. Biogeochemistry of Marine Dissolved Organic Matter, Second Edition, is an extremely useful resource that helps people interested in the largest pool of active carbon on the planet (DOC) get a firm grounding on the general paradigms and many of the relevant references on this topic. Features up-to-date knowledge of DOM, including five new chapters The only published work to synthesize recent research on dissolved organic carbon in the Mediterranean Sea Includes chapters that address inputs from freshwater terrestrial DOM

Nitrogen in the Marine Environment provides information pertinent to the many aspects of the nitrogen cycle. This book presents the advances in ocean productivity research, with emphasis on the role of microbes in nitrogen transformations with excursions to higher trophic levels. Organized into 24 chapters, this book begins with an overview of the abundance and distribution of the various forms of nitrogen in a number of estuaries. This text then provides a comparison of the nitrogen cycling of various ecosystems within the marine environment. Other chapters consider chemical distributions and methodology as an aid to those entering the field. This book discusses as well the enzymology of the initial steps of inorganic nitrogen assimilation. The final chapter deals with the philosophy and application of modeling as an investigative method in basic research on nitrogen dynamics in coastal and open-ocean marine environments. This book is a valuable resource for plant biochemists, microbiologists, aquatic ecologists, and bacteriologists.

This is the first text to integrate the rapidly evolving law of the coastal zone with admiralty law, the traditional law of ships and seamen. While presenting many of the "classic" cases in marine law, the major focus is on more recent cases which give direction for future developments in marine affairs and the law.

Cargo management, especially in the maritime sphere, plays a vital role in the transfer of goods between seller and buyer. However, despite over 90% of the world's international trade being conducted by sea, often very little is known about this subject by either party. This unique text provides a clear and comprehensive introduction to the principal elements involved in the management of marine cargo and the carriage of goods by sea. Not only does it analyse key theories and debates in the maritime freight sector, it is equally instructive on practice and logistics. Furthermore, the book provides a thorough guide to the roles and responsibilities of all parties involved in this dynamic industry. This second edition has been fully revised and updated to incorporate the very latest changes in cargo management legislation and procedures, including: Offshore oil & gas supply management The revised INCOTERMS 2010 Tramp shipping and spot cargo trading Project cargo management Dry and liquid bulk cargo management The IMDG Code and the marine carriage of dangerous and hazardous goods Cabotage Salvage Risk management and best practice This is an essential guide for shipping professionals, academics and students of marine logistics, and international trade.

An Ecosystem Approach, Second Edition

Student Text

Cases and Materials

Exploring Creation with Marine Biology

Introduction to Coastal Engineering and Management

Marine Bivalve Molluscs *Marine Bivalve Molluscs* is a comprehensive and thoroughly updated Second Edition of *Bivalve Molluscs*, covering all major aspects of this important class of invertebrates. As well as being an important class biologically and ecologically, many of the bivalves are fished and cultured commercially (e.g. mussels, oysters, scallops and clams) in a multi-billion dollar worldwide industry. Elizabeth Gosling has written a landmark book that will stand for many years as the standard work on the subject. Chapters in *Marine Bivalve Molluscs* cover morphology, ecology, feeding, reproduction, settlement and recruitment, growth, physiology, fisheries, aquaculture, genetics, diseases and parasites, and public health issues. A full understanding of many of these aspects is vital for all those working in bivalve fisheries and culture. An essential purchase for anyone concerned with this important class of animals, copies of *Marine Bivalve Molluscs* should be on the shelves of biologists, ecologists, environmental scientists, fisheries scientists and personnel within the aquaculture industry. Copies of the book should be available in all libraries and research establishments where these subjects are studied or taught. *REVIEWS OF THE FIRST EDITION* An admirable achievement...a valuable addition to marine sciences libraries everywhere. The back cover of this book says that it is a landmark text that will stand for many years as the standard work on this subject. I can only agree with this sentiment. ~ *Aquaculture* A welcome addition to the literature and provides the reader with a comprehensive overview of biological and environmental factors that affect and control both natural populations of marine bivalves and culture operations. ~ *Aquaculture International* The author has done an admirable job in compiling a wealth of information into a readable text. ~ *Transactions of the American Fisheries Society* Will serve well as a description of much of both the experimental biology and the aquaculture of bivalves. ~ *Journal of Experimental Marine Biology and Ecology* Provides excellent reviews of all major aspects...an extremely important reference for anyone engaged in bivalve research, fisheries management, and aquaculture. ~ *Quarterly Review of Biology* The book is very readable, in an easy style. It is well illustrated and there is a wealth of data and statistics presented. ~ *Bulletin of the Malacological Society of London*

Discusses the many different life forms that have existed on Earth, their importance, and how they have changed over time.

This textbook provides the reader with a foundation in policy development and analysis and describes how policy, including legal mechanisms, is applied to marine environments around the world. It offers a systematic treatment of all aspects of marine policy, including environmental protection, fisheries, transportation, energy, mining and climate change. It starts with a biophysical overview of the structure and function of the marine environment with a particular emphasis on the challenges and opportunities of managing the marine environment. An overview of the creation and function of international law is then provided with a focus on international marine law. It explores the geographic and jurisdictional dimensions of marine policy, as well the current and anticipated challenges facing marine systems, including climate change-related impacts and resource over-exploitation. The book should appeal to senior undergraduate and graduate students and form a core part of the curriculum for marine affairs, science and policy courses. It will also provide supplementary reading for students taking a course in the law of the oceans, but is not aimed at legal specialists.

Appeal to every student's natural curiosity about the oceans! - Complete content review and answer key that links every chapter in the student book with its corresponding lab - Tips on preparing and setting up each of the labs - A list of aquariums, marine-science centers, web sites, and other helpful teaching resources - Tried-and-true methods to ensure that students get the most from every lab and project See the companion *Marine Biology lab manual* and *Marine Biology student book*

Introduction to Petroleum Seismology, second edition

Scientists and the Sea, 1650–1900

An Introduction to Marine Science

Marine Insurance

Biological Oceanography

Berta and Sumich have succeeded yet again in creating superior marine reading! This book is a succinct yet comprehensive text devoted to the systematics, evolution, morphology, ecology, physiology, and behavior of marine mammals. The first edition, considered the leading text in the field, is required reading for all marine biologists concerned with marine mammals. Revisions include updates of citations, expansion of nearly every chapter and full color photographs. This title continues the tradition by fully expanding and updating nearly all chapters. Comprehensive, up-to-date coverage of the biology of all marine mammals Provides a phylogenetic framework that integrates phylogeny with behavior and ecology Features chapter summaries, further readings, an appendix, glossary and an extensive bibliography Exciting new color photographs and additional distribution maps

Introduction to Marine Biogeochemistry focuses on the ocean's role in the biogeochemical cycling of selected elements and the impact of humans on the cycling of these elements. Among the topics covered are the chemical composition of seawater from the perspectives of elemental speciation and the impacts of solutes on water's physical behavior; biogeochemical phenomena which control accumulation and preservation of marine sediments; marine chemistry of radioactive and stable isotopes; and seawater pollution. The book contains many examples as well as steady-state models to aid readers in understanding this growing and complex science.. The focus of *Introduction to Marine Biogeochemistry* is the concept of the ocean as a system, linking land and atmospheric processes The text integrates the most current research, allowing students to learn concepts in context Includes detailed coverage of computational aspects

Marine Structural Design, Second Edition, is a wide-ranging, practical guide to marine structural analysis and design, describing in detail the application of modern structural engineering principles to marine and offshore structures. Organized in five parts, the book covers basic structural design principles, strength, fatigue and fracture, and reliability and risk assessment, providing all the knowledge needed for limit-state design and re-assessment of existing structures. Updates to this edition include new chapters on structural health monitoring and risk-based decision-making, arctic marine structural development, and the addition of new LNG ship topics, including composite materials and structures, uncertainty analysis, and green ship concepts. Provides the structural design principles, background theory, and know-how needed for marine and offshore structural design by analysis Covers strength, fatigue and fracture, reliability, and risk assessment together in one resource, emphasizing practical considerations and applications Updates to this edition include new chapters on structural health monitoring and risk-based decision making, and new content on arctic marine structural design

This popular undergraduate textbook offers students a firm grounding in the fundamentals of biological oceanography. As well as a clear and accessible text, learning is enhanced with numerous illustrations including a colour section, thorough chapter summaries, and questions with answers and comments at the back of the book. The comprehensive coverage of this book encompasses the properties of seawater which affect life in the ocean,

classification of marine environments and organisms, phytoplankton and zooplankton, marine food webs, larger marine animals (marine mammals, seabirds and fish), life on the seafloor, and the way in which humans affect marine ecosystems. The second edition has been thoroughly updated, including much data available for the first time in a book at this level. There is also a new chapter on human impacts - from harvesting vast amounts of fish, pollution, and deliberately or accidentally transferring marine organisms to new environments. This book complements the Open University Oceanography Series, also published by Butterworth-Heinemann, and is a set text for the Open University third level course, S330. A leading undergraduate text New chapter on human impacts - a highly topical subject Expanded colour plate section

Marine Biology: A Very Short Introduction

Prepared by an Open University Course Team

An Introduction To Ocean Ecosystems

Introduction to Marine Micropaleontology

Introduction to the Modelling of Marine Ecosystems

Accompanying CD-ROM in pocket at the back of book

It is now nine years since the first edition appeared and much has changed in marine science during that time. For example, satellites are now routinely used in remote sensing of the ocean surface and hydrothermal vents at sea noor spreading centres have been extensively researched. The second edition has been considerably expanded and reorganised, and many new figures and tables have been included. Every chapter has been carefully updated and many have been rewritten. A new chapter on man's use of the oceans has been included to cover satellites and position fixing, renewable energy sources in the sea, seabed minerals, oil and gas, pollution and maritime law. In this edition we have also referred to a number of original references and review articles so that readers can find their way into the literature more easily. As in the first edition, PSM has been mainly responsible for the text and HC for the illustrations, although each has responded to advice from the other and also from many colleagues. In this context readers should note that the illustrations form an integral and major part of the book. The text will almost certainly be too concise for many readers if they do not study the illustrations carefully at the same time. The book has been written as an introductory text for students, although it can serve anyone who is beginning a study of the sea.

Handbook of MARINE CRAFT HYDRODYNAMICS AND MOTION CONTROL The latest tools for analysis and design of advanced GNC systems Handbook of Marine Craft Hydrodynamics and Motion Control is an extensive study of the latest research in hydrodynamics, guidance, navigation, and control systems for marine craft. The text establishes how the implementation of mathematical models and modern control theory can be used for simulation and verification of control systems, decision-support systems, and situational awareness systems. Coverage includes hydrodynamic models for marine craft, models for wind, waves and ocean currents, dynamics and stability of marine craft, advanced guidance principles, sensor fusion, and inertial navigation. This important book includes the latest tools for analysis and design of advanced GNC systems and presents new material on unmanned underwater vehicles, surface craft, and autonomous vehicles. References and examples are included to enable engineers to analyze existing projects before making their own designs, as well as MATLAB scripts for hands-on software development and testing. Highlights of this Second Edition include: Topical case studies and worked examples demonstrating how you can apply modeling and control design techniques to your own designs A Github repository with MATLAB scripts (MSS toolbox) compatible with the latest software releases from Mathworks New content on mathematical modeling, including models for ships and underwater vehicles, hydrostatics, and control forces and moments New methods for guidance and navigation, including line-of-sight (LOS) guidance laws for path following, sensory systems, model-based navigation systems, and inertial navigation systems This fully revised Second Edition includes innovative research in hydrodynamics and GNC systems for marine craft, from ships to autonomous vehicles operating on the surface and under water. Handbook of Marine Craft Hydrodynamics and Motion Control is a must-have for students and engineers working with unmanned systems, field robots, autonomous vehicles, and ships. MSS toolbox: <https://github.com/cybergalactic/mss> Lecture notes: <https://www.fossen.biz/wiley> Author's home page: <https://www.fossen.biz>

Maritime Security, 2e, provides practical, experience-based, and proven knowledge - and a "how-to-guide" - on maritime security. McNicholas explains in clear language how commercial seaports and vessels function; what threats currently exist; what security policies, procedures, systems, and measures must be implemented to mitigate these threats; and how to conduct ship and port security assessments and plans. Whether the problem is weapons of mass destruction or cargo theft, Maritime Security provides invaluable guidance for the professionals who protect our shipping and ports. New chapters focus on whole government maritime security, UN legal conventions and frameworks, transnational crime, and migration. Updates throughout will provide the latest information in increasingly important field. Provides an excellent introduction to issues facing this critical transportation channel Three all-new chapters, and updated throughout to reflect changes in maritime security Increased coverage of migration issues and transnational crime New contributors bring legal security and cybersecurity issues to the fore

An Introduction to Governance and International Law of the Oceans

An Introduction to Ocean Remote Sensing

Nitrogen in the Marine Environment

Biodiversity

Marine Auxiliary Machinery

Seawater: Its Composition, Properties and Behaviour provides a comprehensive introduction to marine science. This book is divided into seven chapters. Chapter 1 summarizes the special properties of water and the role of the oceans in the hydrological cycle. The distribution of temperature and salinity in the oceans and their combined influence on density, stability, and vertical water movements are discussed in Chapters 2 to 4. The fifth chapter describes the behavior of light and sound in seawater and provides examples of the application of acoustics to oceanography. Chapter 6 examines the composition

and behavior of the dissolved constituents of seawater, covering minor and trace constituents and major ions, as well as dissolved gases and biologically important nutrients. Residence times, speciation, and carbonate equilibria are also deliberated. The last chapter provides a short review of ideas about the history of seawater, involvement of the oceans in global cycles, and their relationship to climatic change. This publication is beneficial to oceanographers and marine biologists, including students that are interested in marine science.

Exploring the potential use of bivalves as indicators and monitors of ecosystem health, this book describes live and computer simulated experiments, mesocosm studies, and field manipulation experiments. This second edition discusses major new developments, including phase shifts in many coastal and estuarine ecosystems dominated by suspension-feeding bivalves, the invasion or introduction of alien bivalve species, the rapid growth of environmental restoration focused on bivalves, and the examination of geological history with regard to global climate change and its impact on bivalve-dominated systems.

A graduate-level 2004 textbook describing the use of satellites to study oceanic physical and biological properties.

Introduction to Marine Engineering explains the operation of all the ship's machinery, with emphasis on correct, safe operating procedures and practices at all times. Organized into 17 chapters, this book begins with an overall look at the ship. Subsequent chapters describe the various ship machineries, including diesel engines, steam turbines, boilers, feed systems, pumps, auxiliaries, deck machinery, hull equipment, shafting, propellers, steering gear, and electrical equipment. Other aspects of marine engineering, particularly, fuel oils, lubricating oils, refrigeration, air conditioning, ventilation, firefighting and safety, watchkeeping, and equipment operation, are also described. This book will be useful to anyone with an interest in ships' machinery or a professional involvement in the shipping business.

Law and Practice

Biogeochemistry of Marine Dissolved Organic Matter

Maritime Security

Ecology of Marine Bivalves

(with MATLAB programs on accompanying CD-ROM)

This beautifully illustrated text book, with state-of-the-art illustrations, is useful not only for an introduction to the subject, but also for the application of marine microfossils in paleoceanographic, paleoenvironmental and biostratigraphic analyses. The recent revival of interest in marine micropaleontology worldwide in the wake of the development of sequence stratigraphic models has led to the decision to reissue the volume in its original, but paperback, form. The ideas expressed in various chapters of this second edition remain as valid today as they were when the book was first issued. The text, however, includes an updated Phanerozoic geologic time which has been considerably modified since the 1980s.

INTRODUCTION TO MARINE BIOLOGY sparks curiosity about the marine world and provides an understanding of the process of science.

Taking an ecological approach and intended for non-science majors, the text provides succinct coverage of the content while the photos and art clearly illustrate key concepts. Studying is made easy with phonetic pronunciations, a running glossary of key terms, end-of-chapter questions, and suggestions for further reading at the end of each chapter. The open look and feel of INTRODUCTION TO MARINE BIOLOGY and the enhanced art program convey the beauty and awe of life in the ocean. Twenty spectacular photos open the chapters, piquing the motivation and attention of students, and over 60 photos and pieces of art are new or redesigned. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Enter the delicate, complex world of underwater life through extraordinarily detailed, hand-drawn illustrations and newly updated text. The Marine Biology Coloring Book will serve as an excellent resource and guide. The process of coloring will focus your attention and leave a visual imprint on your memory. Details on the natural coloration of the plants and animals illustrated will help you create an accurate picture of the ocean world. The text provides a clear introduction to major marine environments as well as an examination of the lifestyles and interactions of the organisms that inhabit them. This expanded edition offers vital information on ocean currents and global weather, including an explanation of El Nino, the deep-sea realm, and the newest deep-sea diving research vessels. Enjoy the process of creating your own beautiful, full-color reference while you explore a fascinating hidden world. Both the serious student of marine biology and the weekend beachcomber will gain a better understanding of ocean

life by coloring The Marine Biology Coloring Book.

Oceanography and Marine Biology preserves the basic elements of the physical, chemical, and geological aspects of the marine sciences, and merges those fundamentals into a broader framework of marine biology and ecology. I have found that this approach works: my class of 350 students fills every semester it is offered, with students on waiting lists to get in. But existing textbooks on oceanography or marine biology address the companion field only cursorily: very few pages in oceanography texts are devoted to marine biology, and vice versa. This new book overcomes that imbalance, bringing these disparate marine science text formats closer together, giving them more equal weight, and introducing more effectively the physical sciences by showing students with everyday examples how such concepts form the foundation upon which to build a better understanding of the marine environment in a changing world.

Introduction to Marine Engineering

Marine Biology

Evolutionary Biology

Marine Bivalve Molluscs

Handbook of Marine Craft Hydrodynamics and Motion Control

This second edition of Cases and Materials on the Law of the Sea compiles cases, treaties, U.N. documents, commentaries, and other teaching materials that systematically present law of the sea topics.

With coverage on all the marine mammals of the world, authors Jefferson, Webber, and Pitman have created a user-friendly guide to identify marine mammals alive in nature (at sea or on the beach), dead specimens "in hand", and also to identify marine mammals based on features of the skull.

This handy guide provides marine biologists and interested lay people with detailed descriptions of diagnostic features, illustrations of external appearance, beautiful photographs, dichotomous keys, and more. Full color illustrations and vivid photographs of every living marine mammal species are incorporated, as well as comprehensible maps showing a range of information. For readers who desire further consultation, authors have included a list of literature references at the end of each species account. For an enhanced understanding of habitation, this guide also includes recognizable geographic forms described separately with colorful paintings and photographs. All of these essential tools provided make Marine Mammals of the World the most detailed and authoritative guide available! * Contains superb photographs of every species of marine mammal for accurate identification * Authors' collective experience adds up to 80 years, and have seen nearly all of the species and distinctive geographic forms described in the guide * Provides the most detailed and anatomically accurate illustrations currently available * Special emphasis is placed on the identification of species in "problem groups, such as the beaked whales, long-beaked oceanic dolphin, and southern fur seals * Includes a detailed list of sources for more information at the back of the book.

Caters for marine engineer candidates for Department of Transport Certification as Marine Engineer Class One and Class Two. It covers the various items of ships' electrical equipment and explains operating principles. David McGeorge is a former lecturer in Marine Engineering at the College of Maritime Studies, Warsash, Southampton. He is the author of General Engineering Knowledge.

The new edition of An Introduction to the Biology of Marine Life is designed to reach your introductory students with effective and interesting learning tools. Its design and content are focused on capturing the attention of your students-- and focused on helping you teach. In the sixth edition, author James Sumich has maintained the text's readability and balanced approach, while incorporating several exciting new features:

The Marine Biology Coloring Book, 2e

An Introduction to the Chemistry of the Sea

Marine Insurance Law

Marine and Coastal Law

Introduction to Marine Biology

Engagingly introduces marine chemistry and the ocean's geochemical interactions with the solid earth and atmosphere, for students of oceanography.

Marine Insurance: Law and Practice, Second Edition, continues to provide the most comprehensive and integrated account of the English law and practice of marine insurance. It provides readers with a fresh and up-to-date review of the modern law in the light of traditional principles and rules of underlying commercial law, and the specific statutory rules of marine insurance as interpreted by case law, as moderated in practice by market practices and standard form marine insurance clauses. Francis Rose clarifies the law's underlying framework of principles and illustrates how it works in common contractual situations, explaining how the different components of the law interact. The new edition has been updated to incorporate: • the most recent case law: there have been some very important judgments handed down since the book first published, including: The Cendor MOP, The Silva, The Resolute and The Marina Iris • the implications of the introduction of: Institute Cargo Clauses 2009, the effect of the Gambling Act 2005 and the Third Parties (Rights Against Insurers) Act 2010 Law Commission reform proposals The book explores in detail the following areas: • the nature of insurance • insurable interest • the insurance contract • the

premium • insured risks • marine risks • exclusions • losses • claims • subrogation • double insurance

This book expertly introduces and clearly explains all topics covered in marine insurance law courses at undergraduate and postgraduate levels, offering students and those new to the area a comprehensive and accessible overview of this important topic in commercial law. Beginning by introducing the general principles of the subject, the structure and formation of insurance contracts, Marine Insurance Law then looks to individual considerations in detail, including: brokers, losses, risks and perils, sue and labour, reinsurance, and mutual insurance/P&I clubs. This title has been developed with the needs of courses specifically in mind, and its content has been tailored to include the most important and commonly taught topics in the field. Each chapter contains end of chapter further reading to support student research, ensuring this new textbook provides a reliable and accessible gateway into this important topic in maritime law

An Introduction to the Biology of Marine Life

An Introduction

A Study of Marine Science

An Introduction to Marine Biogeochemistry

Marine Structural Design