

Handbook Of Landscape Archaeology

Handbook of Landscape Archaeology-Bruno David 2016-06-03 Over the past three decades, “landscape” has become an umbrella term to describe many different strands of archaeology. From the processualist study of settlement patterns to the phenomenologist’s experience of the natural world, from human impact on past environments to the environment’s impact on human thought, action, and interaction, the term has been used. In this volume, for the first time, over 80 archaeologists from three continents attempt a comprehensive definition of the ideas and practices of landscape archaeology, covering the theoretical and the practical, the research and conservation, and encasing the term in a global framework. As a basic reference volume for landscape archaeology, this volume will be the benchmark for decades to come. All royalties on this Handbook are donated to the World Archaeological Congress.

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Handbook of Landscape Archaeology-Bruno David 2010 Over 80 archaeologists from four continents create a benchmark volume of the ideas and practices of landscape archaeology, covering the theoretical and the practical, the research and conservation, and encasing the term in a global framework.

Interpreting the Landscape-Michael Aston 2002-09-11 Most places in Britain have had a local history written about them. Up until this century these histories have addressed more parochial issues, such as the life of the manor, rather than explaining the features and changes in the landscape in a factual manner. Much of what is visible today in Britain's landscape is the result of a chain of social and natural processes, and can be interpreted through fieldwork as well as from old maps and documents. Michael Aston uses a wide range of source material to study the complex and dynamic history of the countryside, illustrating his points with aerial photographs, maps, plans and charts. He shows how to understand the surviving remains as well as offering his own explanations for how our landscape has evolved.

Landscape Archaeology and GIS-Henry Chapman 2006 Landscape Archaeology and GIS examines the ways in which Geographical Information Systems can be used to explore archaeological landscapes, and summarizes the most appropriate methods to use. It is structured around principal themes in landscape archaeology, and integrates desk-based assessment, data collection, data modeling, and landscape analysis, right through to archiving and publication. This is the first book on GIS to focus specifically on landscape archaeology that is accessible to a wide archaeological readership. It explores the applications of GIS to a wide variety of archaeological evidence including maps, aerial photographs, and earthworks. The work is well-illustrated throughout with digital maps and models being used to support case studies, as well as for suggesting new hypotheses relevant to this discipline.

Seeing the Unseen. Geophysics and Landscape Archaeology-Stefano Campana 2008-10-01 SEEING THE UNSEEN. GEOPHYSICS AND LANDSCAPE ARCHAEOLOGY is a collection of papers presented at the advanced XV International Summer School in Archaeology/Geophysics for Landscape Archaeology (Grosseto, Italy, 10-18 July 2006). Bringing together the experience of some of the world's greatest experts in the field of archaeological prospection, the

Routledge Handbook of Landscape and Food-Joshua Zeunert 2018-02-02 Since the turn of the millennium, there has been a burgeoning interest in, and literature of, both landscape studies and food studies. Landscape describes places as relationships and processes. Landscapes create people’s identities and guide their actions and their preferences, while at the same time are shaped by the actions and forces of people. Food, as currency, medium, and sustenance, is a fundamental part of those landscape relationships. This volume brings together over fifty contributors from around the world in forty profoundly interdisciplinary chapters. Chapter authors represent an astonishing range of disciplines, from agronomy, anthropology, archaeology, conservation, countryside management, cultural studies, ecology, ethics, geography, heritage studies, landscape architecture, landscape management and planning, literature, urban design and architecture. Both food studies and landscape studies defy comprehension from the perspective of a single discipline, and thus such a range is both necessary and enriching. The Routledge Handbook of Landscape and Food is intended as a first port of call for scholars and researchers seeking to undertake new work at the many intersections of landscape and food. Each chapter provides an authoritative overview, a broad range of pertinent readings and references, and seeks to identify areas where new research is needed—though these may also be identified in the many fertile areas in which subjects and chapters overlap within the book.

Handbook of Geophysics and Archaeology-AlanJoel Witten 2017-07-05 Geophysics influences a wide range of subjects, from environmental studies to archaeology, palaeontology to counter-terrorism and law enforcement. 'Handbook of Geophysics and Archaeology' offers a comprehensive overview of geophysical techniques. The handbook focuses on applications and issues in archaeology but also provides a broad overview of the basics of geophysics. The Handbook examines a wide range of techniques: techniques associated with gravity, magnetometry, waves, electromagnetic induction, ground penetrating radar, geotomography, and electrical resistivity tomography. Each technique is explored in depth, with detailed case studies illustrating both technical applications and interpretations of data. The Handbook highlights the diverse range of geophysical methods required in the study of the Earth's subsurface.

The Routledge Handbook of Global Historical Archaeology-Charles E. Orser, Jr. 2020-07-26 The Routledge Handbook of Global Historical Archaeology is a multi-authored compendium of articles on specific topics of interest to today’s historical archaeologists, offering perspectives on the current state of research and collectively outlining future directions for the field. The broad range of topics covered in this volume allows for specificity within individual chapters, while building to a cumulative overview of the field of historical archaeology as it stands, and where it could go next. Archaeological research is discussed in the context of current sociological concerns, different approaches and techniques are assessed, and potential advances are posited. This is a comprehensive treatment of the sub-discipline, engaging key contemporary debates, and providing a series of specially-commissioned geographical overviews to complement the more theoretical explorations. This book is designed to offer a starting point for students who may wish to pursue particular topics in more depth, as well as for non-archaeologists who have an interest in historical archaeology. Archaeologists, historians, preservationists, and all scholars interested in the role historical archaeology plays in illuminating daily life during the past five centuries will find this volume engaging and enlightening.

Handbook of Evolutionary Research in Archaeology-Anna Marie Prentiss 2019-06-03 Evolutionary Research in Archaeology seeks to provide a comprehensive overview of contemporary evolutionary research in archaeology. The book will provide a single source for introduction and overview of basic and advanced evolutionary concepts and research programs in archaeology. Content will be organized around four areas of critical research including microevolutionary and macroevolutionary process, human ecology studies (evolutionary ecology, demography, and niche construction), and evolutionary cognitive archaeology. Authors of individual chapters will address theoretical foundations, history of research, contemporary contributions and debates, and implications for the future for their respective topics. As appropriate, authors present or discuss short empirical case studies to illustrate key arguments.

Satellite Remote Sensing for Archaeology-Sarah H. Parcak 2009-03-31 This handbook is the first comprehensive overview of the field of satellite remote sensing for archaeology and how it can be applied to ongoing archaeological fieldwork projects across the globe. It provides a survey of the history and development of the field, connecting satellite remote sensing in archaeology to broader developments in remote sensing, archaeological method and theory, cultural resource management, and environmental studies. With a focus on practical uses of satellite remote sensing, Sarah H. Parcak evaluates satellite imagery types and remote sensing analysis techniques specific to the discovery, preservation, and management of archaeological sites. Case studies from Asia, Central America, and the Middle East are explored, including Xi’an, China; Angkor Wat, Cambodia and Egypt’s floodplains. In-field surveying techniques particular to satellite remote sensing are emphasized, providing strategies for recording ancient features on the ground observed from space. The book also discusses broader issues relating to archaeological remote sensing ethics, looting prevention, and archaeological site preservation. New sensing research is included and illustrated with the inclusion of over 160 satellite images of ancient sites. With a companion website (www.routledge.com/textbooks/9780415448789) with further resources and colour images, Satellite Remote Sensing for Archaeology will provide anyone interested in scientific applications to uncovering past archaeological landscapes a foundation for future research and study.

Handbook of Archaeological Methods-Herbert D. G. Maschner 2005 The Handbook of Archaeological Methods comprises 37 articles by leading archaeologists on the key methods used by archaeologists in the field, in analysis, in theory building, and in managing cultural resources. The book is destined to become the key reference work for archaeologists and their advanced students on contemporary archaeological methods.

The Oxford Handbook of Maritime Archaeology-Alexis Catsambis 2014-02 The Oxford Handbook of Maritime Archaeology is a comprehensive survey of the field at a time when maritime archaeology has established itself as a mature branch of archaeology. This volume draws on the expertise of nearly fifty international scholars who examine the many distinct and universal aspects of the discipline.

Legacy of the Landscape-Patrick Vinton Kirch 1996-01-01 "Some 1,500 years ago, Polynesian seafarers discovered and settled the Hawaiian Islands, spawning a culture that flourished in isolation until Europeans arrived in the late eighteenth century. Pre-contact Hawaiian civilization is represented by a rich legacy of archaeological sites, many of which have been preserved and are accessible to the public. This volume provides for the first time an authoritative handbook to the most important of those archaeological treasures." "The fifty sites covered in this book are distributed over all of the main islands and include heiau (temples), habitation sites, irrigated and dryland agricultural complexes, fishponds, petroglyphs, and several post-contact (early nineteenth-century) sites. Site locations are shown on individual island maps, and detailed plans are provided for several sites."--BOOK JACKET.Title Summary field provided by Blackwell North America, Inc. All Rights Reserved

Gender in Archaeology-Sarah M. Nelson 2004 'Gender in Archaeology' provides a feminist theoretical synthesis of the flood of archaeological work on gender. The author examines the roles of women & men in areas as human origins, the sexual division of labour, kinship & other social formations.

Routledge Handbook of the Archaeology of Indigenous-Colonial Interaction in the Americas-Lee M. Panich 2021-07-19 The Routledge Handbook of the Archaeology of Indigenous-Colonial Interaction in the Americas brings together scholars from across the hemisphere to examine how archaeology can highlight the myriad ways that Indigenous people have negotiated colonial systems from the fifteenth century through to today. The contributions offer a comprehensive look at where the archaeology of colonialism has been and where it is heading. Geographically diverse case studies highlight longstanding theoretical and methodological issues as well as emerging topics in the field. The organization of chapters by key issues and topics, rather than by geography, fosters exploration of the commonalities and contrasts between historical contingencies and scholarly interpretations. Throughout the volume, Indigenous and non-Indigenous contributors grapple with the continued colonial nature of archaeology and highlight Native perspectives on the potential of using archaeology to remember and tell colonial histories. This volume is the ideal starting point for students interested in how archaeology can illuminate Indigenous agency in colonial settings. Professionals, including academic and cultural resource management archaeologists, will find it a convenient reference for a range of topics related to the archaeology of colonialism in the Americas.

Handbook of Space Engineering, Archaeology, and Heritage-Ann Darrin 2009-06-26 Some might think that the 27 thousand tons of material launched by earthlings into outer space is nothing more than floating piles of debris. However, when looking at these artifacts through the eyes of historians and anthropologists, instead of celestial pollution, they are seen as links to human history and heritage. Space: The New Frontier for Archeologists Handbook of Space Engineering, Archaeology and Heritage, published this month by CRC Press Taylor and Francis Group, brings together 43 anthropologists, historians, physicists, and engineers, a scientific team as culturally diverse as the crew of any science fiction cruiser. They offer a range of novel historical and technological perspectives on humankind's experience in space. This ambitious work presents an informative, thought-provoking, and educational text that discusses the evolution of space engineering, spacecraft reliability and forensics, field techniques, and mission planning, as well as space programs for the future. The book is edited by a pair of scientists from different sides of the campus: Ann Garrison Darrin, aerospace engineer and NASA veteran and Beth Laura O'Leary, anthropologist and member of the World Archaeological Congress Space Heritage Task Force. The handbook delves into the evolution of space archaeology and heritage, including the emerging fields of Archaeoastronomy, Ethnoastronomy, and Cultural Astronomy. It also covers space basics and the history of the space age from Sputnik to modern day satellites. It discusses the cultural landscape of space, including orbital artifacts in space, as well as objects left on planetary surfaces and includes a look at the culture of Apollo as a catalog of manned exploration of the moon. It also considers the application of forensic investigation to the solving of cold case mysteries including failed Mars mission landing sites and lost spacecraft, and even investigates the archaeology of the putative Roswell UFO crash site and appraises material culture in science fiction.

Routledge Handbook of Landscape Character Assessment-Graham Fairclough 2018-05-11 In this multi-authored book, senior practitioners and researchers offer an international overview of landscape character approaches for those working in research, policy and practice relating to landscape. Over the last three decades, European practice in landscape has moved from a narrow, if relatively straightforward, focus on natural beauty or scenery to a much broader concept of landscape character constructed through human perception, and transcending any of its individual elements. Methods, tools and techniques have been developed to give practical meaning to this idea of landscape character. The two main methods, Landscape Character Assessment (LCA) and Historic Landscape Characterisation (HLC) were applied first in the United Kingdom, but other methods are in use elsewhere in Europe, and beyond, to achieve similar ends. This book explores why different approaches exist, the extent to which disciplinary or cultural specificities in different countries affect approaches to land management and landscape planning, and highlights areas for reciprocal learning and knowledge transfer. Contributors to the book focus on examples of European countries - such as Sweden, Turkey and Portugal - that have adopted and extended UK-style landscape characterisation, but also on countries with their own distinctive approaches that have developed from different conceptual roots, as in Germany, France and the Netherlands. The collection is completed by chapters looking at landscape approaches based on non-European concepts of landscape in North America, Australia and New Zealand. This book has an introductory price of £125/\$205 which will last until 3 months after publication - after this time it will revert to £140/\$225.

International Handbook of Historical Archaeology-Teresita Majewski 2009-06-07 In studying the past, archaeologists have focused on the material remains of our ancestors. Prehistorians generally have only artifacts to study and rely on the diverse material record for their understanding of past societies and their behavior. Those involved in studying historically documented cultures not only have extensive material remains but also contemporary texts, images, and a range of investigative technologies to enable them to build a broader and more reflexive picture of how past societies, communities, and individuals operated and behaved. Increasingly, historical archaeology refers not to a particular period, place, or a method, but rather an approach that interrogates the tensions between artifacts and texts irrespective of context. In short, historical archaeology provides direct evidence for how humans have shaped the world we live in today. Historical archaeology is a branch of global archaeology that has grown in the last 40 years from its North American base into an increasingly global community of archaeologists each studying their area of the world in a historical context. Where historical archaeology started as part of the study of the post-Columbian societies of the United States and Canada, it has now expanded to interface with the post-medieval archaeologies of Europe and the diverse post-imperial experiences of Africa, Latin America, and Australasia. The 36 essays in the International Handbook of Historical Archaeology have been specially commissioned from the leading researchers in their fields, creating a wide-ranging digest of the increasingly global field of historical archaeology. The volume is divided into two sections, the first reviewing the key themes, issues, and approaches of historical archaeology today, and the second containing a series of case studies charting the development and current state of historical archaeological practice around the world. This key reference work captures the energy and diversity of this global discipline today.

The Routledge Handbook of Teaching Landscape-Karsten Jørgensen 2019-03-04 Written in collaboration with the European Council of Landscape Architecture Schools (ECLAS) and LE: NOTRE, The Routledge Handbook of Teaching Landscape provides a wide-ranging overview of teaching landscape subjects, from geology to landscape design, reflecting different perspectives and practices at university-level landscape curricula. Focusing on the didactics of landscape education, this fully illustrated handbook presents and discusses pedagogy, teaching traditions, experimental teaching methods and new teaching principles. The book is structured into three parts: reading the landscape, representing the landscape and transforming the landscape. Contributions from leading experts in the field, such as Simon Bell, Marc Treib, Jörg Rekittke and Susan Herrington, explore landscape analysis, history and theory, design visualisation, creativity and art, planning studio teaching, field trips and site engineering. Aimed at engaging academic researchers and instructors across disciplines such as landscape architecture, geography, ecology, planning and archaeology, this book is a must-have guide to landscape pedagogy as it stands today.

The Oxford Handbook of North American Archaeology-Timothy Pauketat 2015-04-01 This volume explores 15,000 years of indigenous human history on the North American continent, drawing on the latest archaeological theories, time-honored methodologies, and rich datasets. From the Arctic south to the Mexican border and east to the Atlantic Ocean, all of the major cultural developments are covered in 53 chapters, with certain periods, places, and historical problems receiving special focus by the volume's authors. Questions like who first peopled the continent, what did it mean to have been a hunter-gatherer in the Great Basin versus the California coast, how significant were cultural exchanges between Native North Americans and Mesoamericans, and why do major historical changes seem to correspond to shifts in religion, politics, demography, and economy are brought into focus. The practice of archaeology itself is discussed as contributors wrestle with modern-day concerns with the implications of doing archaeology and its relevance for understanding ourselves today. In the end, the chapters in this book show us that the principal questions answered about human history through the archaeology of North America are central to any larger understanding of the relationships between people, cultural identities, landscapes, and the living of everyday life.

The Oxford Handbook of Historical Ecology and Applied Archaeology-Christian Isendahl 2019-01-10 The Oxford Handbook of Historical Ecology and Applied Archaeology presents theoretical discussions, methodological outlines, and case-studies describing the field of overlap between historical ecology and the emerging sub-discipline of applied archaeology to highlight how modern environments and landscapes have been shaped by humans. Historical ecology is based on the recognition that humans are not only capable of modifying their environments, but that all environments on earth have already been directly or indirectly modified. This includes anthropogenic climate change, widespread deforestations, and species extinctions, but also very local alterations, the effects of which may last a few years, or may have legacies lasting centuries or more. With contributions from anthropologists, archaeologists, human geographers, and historians, this volume focuses not just on defining human impacts in the past, but on the ways that understanding these changes can help inform contemporary practices and development policies. Some chapters present examples of how ancient or current societies have modified their environments in sustainable ways, while others highlight practices that had unintended long-term consequences. The possibilities of learning from these practices are discussed, as is the potential of using the long history of human resource exploitation as a method for building or testing models of future change. The volume offers overviews for students, researchers, and professionals with an interest in conservation or development projects who want to understand what practical insights can be drawn from history, and who seek to apply their work to contemporary issues.

The Oxford Handbook of Wetland Archaeology-Francesco Menotti 2013 The Oxford Handbook of Wetland Archaeology is the most comprehensive survey of world wetland archaeology ever published and sets out and covers the key issues and debates in the theory and practice of wetland archaeology, which has played a crucial role in studies of our past. Due to the high quantity of well-preserved organic materials found in humid environments, the study of wetlands has allowed archaeologists to reconstruct people's everyday lives in great detail. Through concise essays written by over fifty of the world's leading scholars in the field, it describes the scientific and archaeological principles, methodologies, and spectacular results of past and present archaeological investigations of wetland environments.

The Routledge Handbook of Archaeology and Globalization-Tamar Hodos 2016-11-18 This unique collection applies globalization concepts to the discipline of archaeology, using a wide range of global case studies from a group of international specialists. The volume spans from as early as 10,000 cal. BP to the modern era, analysing the relationship between material culture, complex connectivities between communities and groups, and cultural change. Each contributor considers globalization ideas explicitly to explore the socio-cultural connectivities of the past. In considering

social practices shared between different historic groups, and also the expression of their respective identities, the papers in this volume illustrate the potential of globalization thinking to bridge the local and global in material culture analysis. The Routledge Handbook of Archaeology and Globalization is the first such volume to take a world archaeology approach, on a multi-period basis, in order to bring together the scope of evidence for the significance of material culture in the processes of globalization. This work thus also provides a means to understand how material culture can be used to assess the impact of global engagement in our contemporary world. As such, it will appeal to archaeologists and historians as well as social science researchers interested in the origins of globalization.

The Routledge Handbook of Sensory Archaeology-Robin Skeates 2019-11-19 Edited by two pioneers in the field of sensory archaeology, this Handbook comprises a key point of reference for the ever-expanding field of sensory archaeology: one that surpasses previous books in this field, both in scope and critical intent. This Handbook provides an extensive set of specially commissioned chapters, each of which summarizes and critically reflects on progress made in this dynamic field during the early years of the twenty-first century. The authors identify and discuss the key current concepts and debates of sensory archaeology, providing overviews and commentaries on its methods and its place in interdisciplinary sensual culture studies. Through a set of thematic studies, they explore diverse sensorial practices, contexts and materials, and offer a selection of archaeological case-studies from different parts of the world. In the light of this, the research methods now being brought into the service of sensory archaeology are re-examined. Of interest to scholars, students and others with an interest in archaeology around the world, this book will be invaluable to archaeologists and is also of relevance to scholars working in disciplines contributing to sensory studies: aesthetics, anthropology, architecture, art history, communication studies, history (including history of science), geography, literary and cultural studies, material culture studies, museology, philosophy, psychology, and sociology.

Colonization of Unfamiliar Landscapes-Marcy Rockman 2003 This volume presents the archaeological & anthropological foundations of the landscape learning process.

Zondervan Handbook of Biblical Archaeology-J. Randall Price 2017-11-28 The Zondervan Handbook of Biblical Archaeology is a reference resource for anyone interested in archaeology and its relevance to biblical, theological, and apologetic studies. Illustrated with full-color photos, charts, and maps, this handbook provides readers with a wealth of information that complements and supplements the historical context of the Bible. The Zondervan Handbook of Biblical Archaeology includes an introduction to the field of archaeology for readers who might not be familiar with the methods, practices, and importance of this area of study. Included in this section is an annotated bibliography of important biblical archaeological reports, books, and journal articles for further study. The rest of the handbook is devoted to a book-by-book (Genesis through Revelation) presentation of the most significant archaeological discoveries that enhance our understanding of the biblical text, including a section on the intertestamental period. A rich array of visual images including photos of excavations sites, coins, maps, artifacts, and historic structures allows readers to immerse themselves in the world of the Bible. This monumental work gives readers the opportunity to visit ancient sites and historical places while remaining in the comfort of their own home.

The Oxford Handbook of African Archaeology-Peter Mitchell 2013-07-04 Africa has the longest and arguably the most diverse archaeological record of any of the continents. It is where the human lineage first evolved and from where Homo sapiens spread across the rest of the world. Later, it witnessed novel experiments in food-production and unique trajectories to urbanism and the organisation of large communities that were not always structured along strictly hierarchical lines. Millennia of engagement with societies in other parts of the world confirm Africa's active participation in the construction of the modern world, while the richness of its history, ethnography, and linguistics provide unusually powerful opportunities for constructing interdisciplinary narratives of Africa's past. This Handbook provides a comprehensive and up-to-date synthesis of African archaeology, covering the entirety of the continent's past from the beginnings of human evolution to the archaeological legacy of European colonialism. As well as covering almost all periods and regions of the continent, it includes a mixture of key methodological and theoretical issues and debates, and situates the subject's contemporary practice within the discipline's history and the infrastructural challenges now facing its practitioners. Bringing together essays on all these themes from over seventy contributors, many of them living and working in Africa, it offers a highly accessible, contemporary account of the subject for use by scholars and students of not only archaeology, but also history, anthropology, and other disciplines.

The Oxford Handbook of Material Culture Studies-Dan Hicks 2010-09-02 Written by an international team of experts, the Handbook makes accessible a full range of theoretical and applied approaches to the study of material culture, and the place of materiality in social theory, presenting current thinking about material culture from the fields of archaeology, anthropology, geography, and science and technology studies.

Handbook of Gender in Archaeology-Sarah M. Nelson 2006 First reference work to explore the research on gender in archaeology.

The Oxford Handbook of the Archaeology of Ritual and Religion-Timothy Insoll 2011-10-27 A comprehensive overview, by period and region, of the archaeology of ritual and religion. The coverage is global, and extends from the earliest prehistory to modern times. Written by over sixty renowned specialists, the Handbook presents the very best in current scholarship, and will also stimulate further research.

A Handbook of Geoarchaeological Approaches to Settlement Sites and Landscapes-Charles French 2015-11-30 Geoarchaeology is a major branch of archaeological science at the interfaces between geology, geography and archaeology, involving the combined study of archaeological, soil and geomorphological records and the recognition of how natural, climatic and human-induced processes alter landscapes. The formation and modification of past soils, and occupation sequences can be examined primarily through the use of soil micromorphological techniques and various physical and geo-chemical techniques. This short text aims to explain some of the basics of geoarchaeological approaches and research design used to tackle the investigation of landscapes and settlement archaeology, and the application of soil micromorphology to archaeological situations. The intention is to present a basic handbook of good practice, with case studies and examples, that any archaeologist or aspiring geoarchaeologist can use.

Interpreting the Landscape-Michael Aston 1985

The Routledge Companion to Landscape Studies-Peter Howard 2018-08-17 This new edition of The Routledge Companion to Landscape Studies contains an updated and expanded selection of original chapters which explore research directions in an array of disciplines sharing a concern for 'landscape', a term which has many uses and meanings. It features 33 revised and/or updated chapters and 14 entirely new chapters on topics such as the Anthropocene, Indigenous landscapes, challenging landscape Eurocentrisms, photography and green infrastructure planning. The volume is divided into four parts: Experiencing landscape; Landscape, heritage and culture; Landscape, society and justice; and Design and planning for landscape. Collectively, the book provides a critical review of the various fields related to the study of landscapes, including the future development of conceptual and theoretical approaches, as well as current empirical knowledge and understanding. It encourages dialogue across disciplinary barriers and between academics and practitioners, and reflects upon the implications of research findings for local, national and international policy in relation to landscape. The Companion provides a comprehensive and up-to-date guide to current thinking about landscapes, and serves as an invaluable point of reference for scholars, researchers and graduate students alike.

Geographical Information Systems in Archaeology-James Conolly 2006-05-04 Geographical Information Systems has moved from the domain of the computer specialist into the wider archaeological community, providing it with an exciting new research method. This clearly written but rigorous book provides a comprehensive guide to that use. Topics covered include: the theoretical context and the basics of GIS; data acquisition including database design; interpolation of elevation models; exploratory data analysis including spatial queries; statistical spatial analysis; map algebra; spatial operations including the calculation of slope and aspect, filtering and erosion modeling; methods for analysing regions; visibility analysis; network analysis including hydrological modeling; the production of high quality output for paper and electronic publication; and the use and production of metadata. Offering an extensive range of archaeological examples, it is an invaluable source of practical information for all archaeologists, whether engaged in cultural resource management or academic research. This is essential reading for both the novice and the advanced user.

Historic Landscape Analysis-Stephen Rippon 2004 This new book in the series of Practical Handbooks from the Council for British Archaeology tackles the subject of the historic landscape. In it, Stephen Rippon reveals the techniques that can and have been used to analyse the history of the countryside, accompanied by a series of case studies. The book is a guide to local and regional variation in the countryside and the approaches and methods used to reach an understanding of it, as well as a discussion of how and why certain patterns have emerged. Physical components of the landscape, such as settlement patterns, field systems, woodland and open water, are discussed along with more conceptual issues; for example, exchange and trade, status and power, designed or ornamental landscapes and the importance of a sense of place. Case studies from Dartmoor, Essex, Somerset, Lancashire and Cornwall illustrate the points clearly and succinctly, showing historical landscape analysis in action.

Theory and Practice of Archaeology-Thomas C Patterson 2015-08-07 For courses in Introduction to Archaeology Theory and Methods. Intended for the Introductory Archaeology course with the goal of teaching students how to think like archaeologists, this workbook includes activities that challenge students to interpret and explain field findings and help them to see the link between theory and practice.

Archaeological Approaches to Technology-Heather Margaret-Louise Miller 2017-03-02 This book is designed for upper-division undergraduate and graduate level archaeology students taking courses in ancient technologies, archaeological craft production, material culture, the history of technology, archaeometry, and field methods. This text can also serve as a general introduction and a reference for archaeologists, material culture specialists in socio-cultural disciplines, and engineers/scientists interested in the backgrounds and histories of their disciplines. The study of ancient technologies, that is, the ways in which objects and materials were made and used can reveal insights into economic, social, political, and ritual realms of the past. This book summarizes the current

state of ancient technology studies by emphasizing methodologies, some major technologies, and the questions and issues that drive archaeologists in their consideration of these technologies. It shows the ways that technology studies can be used by archaeologists working anywhere, on any type of society and it embraces an orientation toward the practical, not the philosophical. It compares the range of pre-industrial technologies, from stone tool production, fiber crafts, wood and bone working, fired clay crafts, metal production, and glass manufacture. It includes socially contextualized case studies, as well as general descriptions of technological processes. It discusses essential terminology (technology, material culture, chaine operateire, etc.), primarily from the perspective of how these terms are used by archaeologists.

The Routledge Handbook of Landscape Ecology-Robert A. Francis 2021-09-09 The Handbook provides a supporting guide to key aspects and applications of landscape ecology to underpin its research and teaching. A wide range of contributions written by expert researchers in the field summarize the latest knowledge on landscape ecology theory and concepts, landscape processes, methods and tools, and emerging frontiers. Landscape ecology is an interdisciplinary and holistic discipline, and this is reflected in the chapters contained in this Handbook. Authors from varying disciplinary backgrounds tackle key concepts such as landscape structure and function, scale and connectivity; landscape processes such as disturbance, flows, and fragmentation; methods such as remote sensing and mapping, fieldwork, pattern analysis, modelling, and participation and engagement in landscape planning; and emerging frontiers such as ecosystem services, landscape approaches to biodiversity conservation, and climate change. Each chapter provides a blend of the latest scientific understanding of its focal topics along with considerations and examples of their application from around the world. An invaluable guide to the concepts, methods, and applications of landscape ecology, this book will be an important reference text for a wide range of students and academics in ecology, geography, biology, and interdisciplinary environmental studies.

Handbook of Postcolonial Archaeology-Jane Lydon 2016-07-01 This essential handbook explores the relationship between the postcolonial critique and the field of archaeology, a discipline that developed historically in conjunction with European colonialism and imperialism. In aiding the movement to decolonize the profession, the contributors to this volume—themselves from six continents and many representing indigenous and minority communities and disadvantaged countries—suggest strategies to strip archaeological theory and practice of its colonial heritage and create a discipline sensitive to its inherent inequalities. Summary articles review the emergence of the discipline of archaeology in conjunction with colonialism, critique the colonial legacy evident in continuing archaeological practice around the world, identify current trends, and chart future directions in postcolonial archaeological research. Contributors provide a synthesis of research, thought, and practice on their topic. The articles embrace multiple voices and case study approaches, and have consciously aimed to recognize the utility of comparative work and interdisciplinary approaches to understanding the past. This is a benchmark volume for the study of the contemporary politics, practice, and ethics of archaeology. Sponsored by the World Archaeological Congress

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