Elements Of Architecture From Form To Place

Architecture.

Clear and accessible, Analysing Architecture opens a fresh way to understanding architecture. It offers a unique 'notebook' of architectural strategies to present an engaging introduction to elements and concepts in architectural design. Beautifully illustrated throughout with the author's original drawings, examples are drawn from across the world and many periods of architectural history (from prehistoric times to the recent past) to illustrate analytical themes and to show how drawing can be used to study architecture. Since its first edition appeared in 1997, Analysing Architecture has established itself internationally as one of the key texts in architectural education. This third edition includes a new section discussing the ways analysing examples cultivates a capacity for design. Original chapters have been expanded, new case studies added, and the format rearranged for additional clarity. The bibliography of recommended supplementary reading has also been extended. In Analysing Architecture, Simon Unwin clearly identifies the key elements of architecture and conceptual themes apparent in buildings and relevant to other works of architecture such as gardens and cities. He describes ideas for use in the active process of design. Breaking down the grammar of architecture into themes and 'moves', Unwin exposes its underlying patterns to reveal the organizational strategies that lie beneath the superficial appearances of buildings. Exploring buildings as results of the interaction of people with the world around them, Analysing Architecture offers a definition of architecture as 'identification of place' and provides a greater understanding of architecture as a creative discipline. This book presents a powerful impetus for readers to develop their own capacities for architectural design. It will also be of use to all those with an interest in the human occupation of and involvement with space – anthropologists, archaeologists, film-makers, installation artists, planners, urban designers, politicians........

This internationally significant book analyzes architectural elements, drawing general principles from the prevailing pluralism of architectural approaches. Von Meiss expertly bridges the gap between history and contemporary work by pinpointing the constant factors that exist in all architecture. A comprehensive analysis of the whole architectural phenomenon, this valuable book will prove especially useful to modern practitioners who need to make constant reference to buildings of the past. Staying away from the ineffectual arguments on styles that dominate today's architectural literature, this is the first recent book to attempt such a synthesis of architectural history and contemporary work. As such, it is unique.

"Une mine d'or à parcourir encore et toujours, un de ces livres qui fournira aux bâtisseurs actuels et futurs de notre monde tout le savoir dont ils ont besoin pour aborder les questions actuelles et celles auxquelles ils seront confrontés". ArchDaily Architecture is a compelling mixture of stability and flux. In its solid forms, time and space collide, amalgamating distant influences, elements that have been around for over 5, 000 years and others that were (re-)invented yesterday. Elements of Architecture focuses on the fragments of the rich and complex architectural collage. Window, facade, balcony, corridor, fireplace, stair, escalator, elevator : The book seeks to excavate the micro-narratives of building detail. The result is no single history, but rather the web of origins, contaminations, similarities, and differences in architectural evolution, including the influence of technological advances, climactic adaptation, political calculation, economic contexts, regulatory requirements, and new digital regimes. Derived from Koolhaas' exhaustive and much-lauded exhibition at the 2014 Venice Architecture Biennale, this is an essential toolkit to understanding the pieces, parts, and fundamentals that comprise structure around the globe. Designed by Irma Boom, the book contains essays from Rem Koolhaas, Stephan Trueby, Manfredo di Robilant, and Jeffrey Inaba; interviews with Werner Sobek and Tony Fadell (of Nest); and an exclusive photo essay by Wolfgang Tillmans.

'Structure and Architecture' is an essential textbook for students and practitioners of architecture and structural engineering. MacDonald explains the basic principles of structure and describes the ranges of structure types in current use. Furthermore, the book links these topics directly with the activity of architectural design and criticism. An update of the first edition, 'Structure and Architecture 2ed' includes a revised opening chapter, and a new section that discusses prominent buildings constructed since the last edition was published in 1994. Angus MacDonald deals with structures holistically, relating detailed topics back to the whole structure and building. He aims to answer the questions: What are architectural structures? How does one define the difference between the structure of a building and all of the other components and elements of which it consists? What are the requirements of structures? What is involved in their design? An understanding of the concepts involved in answering these questions and an appreciation of how the structure of a building functions enhances the ability of an individual to appreciate its architectural quality. This book is unique in that it discusses the structural component of architectural design in the context of visual and stylistic issues.

Thick thatched roofs and rough mud plaster walls. An intricately carved wood transom and a precisely woven tatami mat—each element of traditional Japanese architecture tells a story. In Japanese Architecture, author Mira Locher explores how each of these stories encompasses the particular development, construction, function and symbolism inherent in historic architectural elements. From roofs, walls and floors to door pulls and kettle hangers, Japanese Architecture situates these elements firmly within the natural environment and traditional Japanese culture. Japanese architecture developed with influences from abroad and particular socio-political situations at home. The resulting forms and construction materials—soaring roofs with long eaves, heavy timber structures of stout columns supporting thick beams, mud plaster walls flecked with straw and sand and the refined paper-covered lattice shoji screen—are recognizable as being of distinctly Japanese design. These constructed forms, designed with strong connections to the

surrounding environment, utilize natural construction materials in ways that are both practical and inventive. This fascinating architecture book provides a comprehensive perspective of traditional Japanese architecture, relating the historical development and context of buildings and the Japanese garden while examining the stories of the individual architectural elements, from foundation to roof.

THE CLASSIC ARCHITECTURAL REFERENCE, UPDATED WITH CONTEMPORARY EXAMPLES AND INTERACTIVE RESOURCES For more than forty years, the beautifully illustrated Architecture: Form, Space, and Order has served as the classic introduction to the basic vocabulary of architectural design. The updated and revised Fourth Edition features the fundamental elements of space and form and is designed to encourage critical thought in order to promote a more evocative understanding of architecture. Architecture: Form, Space, and Order distills complex concepts of design into a clear focus and brings difficult abstractions to life. The book explains form and space in relation to light, view, openings, and enclosures and explores the organization of space, and the elements and relationships of circulation, as well as proportion and scale. In addition, the text's detailed illustrations demonstrate the concepts presented and reveal the relationships between fundamental elements of architecture through the ages and across cultures. This edition includes an access card with a redemption code for the online Interactive Resource Center, which features thirty-five animations, flashcards of key architectural terms, and an image gallery showcasing hundreds of photos that enrich the book's content.

Designing Architecture is an indispensable tool to assist both students and young architects in formulating an idea, transforming it into a building, and making effective design decisions. This book promotes integrative and critical thinking in the preliminary design of buildings to inspire creativity, innovation, and design excellence. This compendium of individual wisdom and collective experience offers explicit guidance to students and young professionals on how to approach, analyze, and execute specific tasks; develop and refine a process to facilitate the best possible design projects; and create meaningful architectural form. Here the design process – from orchestrating client participation to finalizing schematic design – is explored and illuminated. The following material is presented to make the book a useful didactic tool for professional development: explicit strategies for doing design rather than simply reviewing principles and precedents creative ideas in approaching and framing problems in design terms specific methods to translate ideas to culturally significant, socially responsive, and environmentally sensitive buildings techniques to integrate all levels of cognition from analysis to epiphany counsel on developing a personalized process for engaging design projects case studies augment the text and chronicle fascinating applications of the design process. The essence of this book lies in an integrated and holistic approach to each unique project as well as fostering curiosity and exploration – a departure from algorithms, easy generalities, or a formula for design. Designing Architecture will inspire readers to elevate the quality of preliminary designs and unravel some of the mystery of creating the most beautiful, responsive, and responsible architectural design possible.

This book presents some of the world's greatest modern buildings, from 1950 to the present, dissected and analyzed through specially commissioned freehand drawings.

DIVLearning a new discipline is similar to learning a new language; in order to master the foundation of architecture, you must first master the basic building blocks of its language – the definitions, function, and usage. Language of Architecture provides students and professional architects with the basic elements of architectural design, divided into twenty-six easy-to-comprehend chapters. This visual reference includes an introductory, historical view of the elements, as well as an overview of how these elements can and have been used across multiple design disciplines./divDIV /divDIVWhether you're new to the field or have been an architect for years, you'll want to flip through the pages of this book throughout your career and use it as the go-to reference for inspiration, ideas, and reminders of how a strong knowledge of the basics allows for meaningful, memorable, and beautiful fashions that extend beyond trends./divDIV /divDIVThis comprehensive learning tool is the one book you'll want as a staple in your library./divDIV /div

A classic examination of superb design through the centuries. Widely regarded as a classic in the field, Experiencing Architecture explores the history and promise of good design. Generously illustrated with historical examples of designing excellence—ranging from teacups, riding boots, and golf balls to the villas of Palladio and the fish-feeding pavilion of Beijing's Winter Palace—Rasmussen's accessible guide invites us to appreciate architecture not only as a profession, but as an art that shapes everyday experience. In the past, Rasmussen argues, architecture was not just an individual pursuit, but a community undertaking. Dwellings were built with a natural feeling for place, materials and use, resulting in "a remarkably suitable comeliness." While we cannot return to a former age, Rasmussen notes, we can still design spaces that are beautiful and useful by seeking to understand architecture as an art form that must be experienced. An understanding of good design comes not only from one's professional experience of architecture as an abstract, individual pursuit, but also from one's shared, everyday experience of architecture in real time—its particular use of light, color, shape, scale, texture, rhythm and sound. Experiencing Architecture reminds us of what good architectural design has accomplished over time, what it can accomplish still, and why it is worth pursuing. Wide-ranging and approachable, it is for anyone who has ever wondered "what instrument the architect plays on."

"These notes are about the process of design: the process of inventing things which display new physical order, organization, form, in response to function." This book, opening with these words, presents an entirely new theory of the process of design. In the first part of the book, Christopher Alexander discusses the process by which a form is adapted to the context of human needs and demands that has called it into being. He shows that such an adaptive process will be successful only if it proceeds piecemeal instead of all at once. It is for this reason that forms from traditional un-self-conscious cultures, molded not by designers but by the slow pattern of changes within tradition, are so beautifully organized and adapted. When the designer, in our own self-conscious culture, is called on to create a form that is adapted to its context he is unsuccessful, because the preconceived categories out of which he builds his picture of the problem do not correspond to the inherent components of the problem, and therefore lead only to the arbitrariness, willfulness, and lack of understanding which plague the design of modern buildings and modern cities. In the second part, Mr. Alexander presents a method by which the designer may bring his full creative imagination into play, and yet avoid the traps of irrelevant preconception. He shows that, whenever a problem is stated, it is possible to ignore existing concepts and to create new concepts, out of the structure of the problem itself, which do correspond correctly to what he calls the subsystems of the adaptive process. By treating each of these subsystems as a separate subproblem, the designer can translate the new concepts into form. The form, because of the process, will be well-adapted to its context, non-arbitrary, and correct. The mathematics underlying this method, based mainly on set

theory, is fully developed in a long appendix. Another appendix demonstrates the application of the method to the design of an Indian village.

This EDM bestseller is now available in a compact paperback edition, featuring a new cover.

The Second Edition of this classic introduction to the principles of architecture is everything you would expect from the celebrated architect, author, and illustrator, Francis D. K. Ching. Each page has been meticulously revised to incorporate contemporary examples of the principles of form, space, and order-the fundamental vocabulary of every designer. The result is a beautifully illustrated volume that embraces today's forms and looks at conventional models with a fresh perspective. Here, Ching examines every principal of architecture, juxtaposing images that span centuries and cross cultural boundaries to create a design vocabulary that is both elemental and timeless. Among the topics covered are point, line, plane, volume, proportion, scale, circulation, and the interdependence of form and space. While this revision continues to be a comprehensive primer on the ways form and space are interrelated and organized in the shaping of our environment, it has been refined to amplify and clarify concepts. In addition, the Second Edition contains: * Numerous new hand-rendered drawings * Expanded sections on openings and scale * Expanded chapter on design principles * New glossary and index categorized by the author * New 8 1/2 × 11 upright trim In the Second Edition of Architecture: Form, Space, and Order, the author has opted for a larger format and crisper images. Mr. Ching has retained the style of his hand-lettered text, a hallmark of each of his books. This rich source of architectural prototypes, each rendered in Mr. Ching's signature style, also serves as a guide to architectural drawing. Doubtless, many will want this handsome volume for the sheer beauty of it. Architects and students alike will treasure this book for its wealth of practical information and its precise illustrations. Mr. Ching has once again created a visual reference that illuminates the world of architectural form.

Have you ever wondered how the ideas behind the world's greatest architectural designs came about? What process does an architect go through to design buildings which become world-renowned for their excellence? This book reveals the secrets behind these buildings. He asks you to 'read' the building and understand its starting point by analyzing its final form. Through the gradual revelations made by an understanding of the thinking behind the form, you learn a unique methodology which can be used every time you look at any building.

Structure As Architecture provides readers with an accessible insight into the relationship between structure and architecture, focusing on the design principles that relate to both fields. Over one hundred case studies of contemporary buildings from countries across the globe including the UK, the US, France, Germany, Spain, Hong Kong and Australia are interspersed throughout the book. The author has visited and photographed each of these examples and analyzed them to show how structure plays a significant architectural role, as well as bearing loads. This is a highly illustrated sourcebook, providing a new insight into the role of structure, and discussing the point where the technical and the aesthetic meet to create the discipline of 'architecture'.

This research addresses the archaic or permanent conditions of architcture. ACcording to Pre-Socratic tradition, since earliest times, when human kind began to analyze the universe, there was this important proposition lasting until today that nature and life are connected to the four principles of earth, water, air and fire. THis thesis not only relates to basic conditions of man on earth, but also targets the fundamentals of architecture. It addresses how nature and life are connected to the four principles of earth, water, air and fire, and how natural elements should inspire our architectural actions today. THe book targets the fundamentals of architecture through many contemporary projects developed at ETH Zurich Chair of Architecture and by Design Prof. DR. JOsep Lluis Mateo.

Elements of Architecture explores new ways of engaging architecture in archaeology. It conceives of architecture both as the physical evidence of past societies and as existing beyond the physical environment, considering how people in the past have not just dwelled in buildings but have existed within them. The book engages with the meeting point between these two perspectives. For although archaeologists must deal with the presence and absence of physicality as a discipline, which studies humans through things, to understand humans they must also address the performances, as well as temporal and affective impacts, of these material remains. The contributions in this volume investigate the way time, performance and movement, both physically and emotionally, are central aspects of understanding architectural assemblages. It is a book about the constellations of people, places and things that emerge and dissolve as affective, mobile, performative and temporal engagements. This volume juxtaposes archaeological research with perspectives from anthropology, architecture, cultural geography and philosophy in order to explore the kaleidoscopic intersections of elements coming together in architecture. Documenting the ephemeral, relational, and emotional meeting points with a category of material objects that have defined much research into what it means to be human, Elements of Architecture elucidates and expands upon a crucial body of evidence which allows us to explore the lives and interactions of past societies.

A unique graphical guide for using architectural terminology to jump-start the design process This design studio companion presents architectural terms with special emphasis on using these terms to generate design ideas. It highlights the architectural thinking behind the terminology and helps readers gain a thorough understanding of space and form. Featuring double-page spreads with over 190 illustrated entries, the book fully explores, analyzes, and cross-references key elements and techniques used in architecture and interior design. Each entry first defines the common meaning of the term, then goes on to discuss in detail its generative possibilities. Scenarios involving the use of a design principle, or the way it might be experienced, further aid students in developing strategies for their own design. In addition, Language of Space and Form: Divides entries into five categories for quick access to concepts, including process and generation, organization and ordering, operation and experience, objects and assemblies, and representation and communication Addresses studio practice from the ground up, encouraging readers to develop creativity and critical thinking as they develop a design process Offers supplemental online learning resources, including exercises that correspond to the book A must-have reference for professionals and students in architecture and interior design, Language of Space and Form is destined to become a classic introduction to design thinking.

"Developed as a research project parallel to FUNDAMENTALS - the 14th Venice Architecture Biennale, curated by Rem Koolhaas - this book introduces a radically new way of seeing Venice. With examinations of twelve different architectural elements, the guide allows readers to better understand the fundamental transformations that have shaped Venice over the past ten centuries."--Page 4 de la couverture.

Discusses Web site hierarchy, usability, navigation systems, content labeling, configuring search systems, and managing the information architecture development process.

Singularly highlights landscape architectural elements with clear design principles! Designed to be used as a helpful resource by individuals beginning their careers, Basic Elements of Landscape Architectural Design presents the thoughts and key design theories fundamental to landscape architecture in simple words and illustrations. Still available from Waveland Press, this highly regarded sourcebook offers the vocabulary, significance, characteristics, potential uses, and design guidelines for landform, plant materials, buildings, pavement, site structures, and water in landscape architectural design. It will help your students overcome common mistakes and misconceptions typical in the early phases of their design career and will heighten their understanding and awareness of the major physical components of the outdoor environment.

This survey of western architecture is divided into two parts. The first deals with the basic properties of architecture, examining a building's structure and aesthetic appeal. The second is a chronological survey of western architectural development from prehistoric times to the present.

Modernity has opened the way towards a grand diversity of form. However, even if architecture is a cultural phenomenon, this does not mean it is a product of fashion – it is not ephemeral enough for that. An architect just starting out is best advised to aim for the essential, or to rediscover certain time-tested certainties before transgressing them. The first part of this work explores the means of compositional architecture, followed by the interpretation of the relationships between space, light, and place. Four or five thousand years of history has shown the resilience of certain fundamental principles intrinsic to our disciple that organizes, in three dimensions, the vital space of man. In the second part, the author provides certain keys to managing the relationship between form, material and construction, keeping in mind that the need to build has never been sufficient, in itself, to design the form of the house or the city. Neither dictionary, nor encyclopedia, this work attempts to fill a gap: it proposes an introduction to architectural design and criticism, considered in the light of our time. Praised by critics and used as a book of reference in numerous schools, the first edition of this book has been translated into English, Italian, German, Korean and Chinese.

Exemplary reprint of 16th-century classic. Covers classical architectural remains, Renaissance revivals, classical orders, more. 216 plates. ". . . the most influential book published in the history of architecture." — Art in America.

By examining the Japanese history of buildings and building designs from prehistory to modern day, lovers of Japan will develop a deeper understanding and appreciation of this island country. Simplicity, sensitivity to the natural environment, and the use of natural materials are the hallmarks of Japanese architecture. The Art of Japanese Architecture provides a broad overview of traditional Japanese architecture in its historical and cultural context. It begins with a discussion of prehistoric dwellings and concludes with a description of modern Japanese buildings. Important historical influences and trends—notably the introduction of Buddhist culture from Korea and China, the development of feudalism, and the influence of modern Western styles of building—are all discussed in detail as facets of Japanese design. Through all of these changes, a restrained architectural tradition developed in marked contrast to an exuberant tradition characterized by monumentality and the use of bold colors. The book provides tremendous insights into the dynamic nature of Japanese architecture and how it reflects an underlying diversity within Japanese culture. The book is profusely illustrated with over 370 color photographs, woodblock prints, maps, diagrams, and specially commissioned watercolors.

This is a comprehensive analysis of the whole architecural phenomenon which includes logical and methodical extraction of general principles from the prevailing pluralism of approaches.

The complete visual guide to the elements of architectural design ELEMENTS OF ARCHITECTURAL DESIGN A PHOTOGRAPHIC SOURCEBOOK SECOND EDITION With over 3,000 photographs and illustrations! This book offers quick access to thousands of ideas, terms, and photographs related to the essentialelements of architectural design. Comprehensive and easy to use, it combines the best features of a dictionary, photographic guide, and textbook-making information simple to find. It lets you search visually (through the photographs), alphabetically (by index), or by general subject (through chapter headings). Throughout, chapters are arranged to cover different aspects of architectural design, establishing a solid framework that puts information into a physical, historical, and conceptual context. No other reference covers the subject with so much flexibility and from so many perspectives in a single volume. Ideal for long-term use as a study aid or refresher, or as a springboard for design inspiration, Elements of Architectural Design, Second Edition is an essential resource for the desktop. * Traditional and contemporary styles * Work of famous architects * Different building types and uses * Elements of form and composition * Materials and their use in structures * Building components and details * Clear definitions of terms

A superb visual reference to the principles of architecture Now including interactive CD-ROM! For more than thirty years, the beautifully illustrated Architecture: Form, Space, and Order has been the classic introduction to the basic vocabulary of architectural design. The updated Third Edition features expanded sections on circulation, light, views, and site context, along with new considerations of environmental factors, building codes, and contemporary examples of form, space, and order. This classic visual reference helps both students and practicing architects understand the basic vocabulary of architectural design by examining how form and space are ordered in the built environment.? Using his trademark meticulous drawing, Professor Ching shows the relationship between fundamental elements of architecture through the ages and across cultural boundaries. By looking at these seminal ideas, Architecture: Form, Space, and Order encourages the reader to look critically at the built environment and promotes a more evocative understanding of architecture. In addition to updates to content and many of the illustrations, this new edition includes a companion CD-ROM that brings the book's architectural concepts to life through three-dimensional models and animations created by Professor Ching.

A beautifully designed monograph showcasing important projects from the past 15 years by the highly successful Swedish office. The latest publication from Swedish architects Tham & Videgård, "The Operative Elements of Architecture" accompanies the exhibition with the same name in Paris this spring. The exhibition, in itself conceived as a contextual project, continues the practice's ongoing discussion on the fundamentals of architecture; a series of aspects and observations that T&V have labeled The Operative Elements of Architecture. With examples from built and ongoing projects, presented through a rich material of models, drawings and photographs, T&V elaborate on what constitutes architecture and how the T&Vteam's interest in multiple contexts influences each specific project. Exhibition: Galerie d'architecture, Paris, France (18.04-17.05.2014). Gottfied Semper was the most important German theorist of the nineteenth century. From his first published essay on Greek polychromy in 1834 to his final lecture on the origin of architectural styles in 1869, Semper persistently endeavoured to fashion a comprehensive architectural theory explaining the meaning and transformational nature of architectural form. The breadth and richness of his ideas, both applauded and opposed at the turn of the twentieth century, proved enormously influential in the development of modern theory. Originally published in 1989, this book provides an English translation of a number of Semper's published writings. The introduction seeks to trace the course of

Semper's theoretical development over thirty-five years. Semper's ideas, like those of his contemporaries, John Ruskin and Eugene Viollet-le-Duc, had enormous influence on the genesis of modern architectural theory and will appeal to both architectural historians and architects.

Jean-Nicolas-Louis Durand (1760–1834) regarded the Précis of the Lectures on Architecture (1802–5) and its companion volume, the Graphic Portion (1821), as both a basic course for future civil engineers and a treatise. Focusing the practice of architecture on utilitarian and economic values, he assailed the rationale behind classical architectural training: beauty, proportionality, and symbolism. His formal systematization of plans, elevations, and sections transformed architectural design into a selective modular typology in which symmetry and simple geometrical forms prevailed. His emphasis on pragmatic values, to the exclusion of metaphysical concerns, represented architecture as a closed system that subjected its own formal language to logical processes. Now published in English for the first time, the Précis and the Graphic Portion are classics of architectural education.

The Elements of Architecture is a clear and well structured introduction to sustainable architecture, which concentrates on general principles to make an accessible and comprehensive primer for undergraduate students. The author takes a fresh and logical approach, focusing on the way aspects of the built environment are experienced by the occupants and how that experience is interpreted in architectural design. He works through basic elements and senses (sun; heat; light; sound; air; water and fire) to explain and frame effective environmental architectural design - not only arguing that the buildings we inhabit should be viewed as extensions of our bodies that interact with and protect us from these elements, but also using this analogy to explain complex ideas in an accessible manner.

"This book aims to initiate all who are concerned with the design of buildings into first principles of arrangement, irrespective of style, period or fashion, and its scope is deliberately focussed on the most elementary of known forms. The culminating periods of Greek and Roman architecture have here been drawn upon as well as the whole range of matured Renaissance architecture in Europe, and the book has been compiled not only from actual buildings but also from the wider field of projected designs. In the illustrations, all the buildings and motifs are presented in their simplest aspect, free from confusing detail, so that the main lines of the various schemes can be understood at a glance and the different forms compared."--BOOK JACKET.

Form and Fabric in Landscape Architecture provides an original, visual approach to the study of landscape architecture by creating a spatial morphology based on use and experience of landscapes. It explores aesthetic, spatial and experiential concepts by providing a structure through which landscapes can be understood and conceived in design. 'Fabric' is the integrated structure of whole landscapes, while 'form' refers to the components that make up this fabric. Together form and fabric create a morphology of landscape useful for the development of visual-spatial design thinking and awareness. This book is intended as both an introduction to the discipline for students of landscape architecture, architecture and planning, and a source of continuing interest for more experienced environmental designers.

Elements of ArchitectureFrom Form to PlaceRoutledge

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