

PREFACE

The course of building architecture is not only a compulsory course for civil engineering and architecture majors, but also an important basic course for non-architecture majors to introduce the relevant knowledge of architecture, which is of great significance in the teaching of civil engineering and architecture majors. This book describes the basic principles and methods of design and construction of civil and industrial buildings. The main contents include the plan design, section design, building shape and facade design, and the composition and construction of foundations, walls, stairs, floors, roofs, doors and windows. The book compiles the architectural design and construction according to the general ideas from the overall to the details and from the basic principle to the design method.

The book is informative and easy to understand with a large number of intuitive illustrations. At the same time, the contents focus on combination of theory and practice, and demonstrations of new materials, new processes and new technologies. In addition, current construction codes, standards and related construction laws and regulations are actively referenced in this book. The integrity and systematicness of the knowledge system are guaranteed in the content arrangement with exercises at the end of each chapter to facilitate students to master the teaching content of this course better.

This book can be used as a teaching material and reference book for students majoring in civil engineering, engineering management, water supply and drainage, as well as for technical personnel engaged

in architectural design and construction.

This book is edited by Cao Lilin from Jiangsu University. Yu Zhenyun, Wang Niankang and Pang Ying have made great contributions to the drawing and translation of the book. The author would like to express heartfelt thanks to them.

In the process of compiling this book, the author referred to and quoted some publicly published textbooks and literatures, and hereby express sincere gratitude to the authors concerned.

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Due to the editor's limited competence, the book inevitably has deficiencies, readers are welcome to criticize and correct.

Cao Lilin

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