Introduction to Architectural Technology, 2nd Edition

By William McLean, Peter Silver

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This book provides an accessible introduction for architecture students to all aspects of architectural technology: structural physics, structural elements and forms, heating, lighting, environmental control, and computer modeling. It will also help students to integrate their design thinking with appropriate structural and environmental solutions.

The book explains the relationships between physical phenomena, materials, building elements, and structural types using simple classification systems and real world examples. In addition, it explores current computer techniques for assisting students to predict the structural and environmental behavior of buildings. It also uses historical precedents to explain how the success of a technology is directly related to its cultural context. This second edition includes new sections on environmental design, Building Information Modeling (BIM), and two new case studies.

Written by three experienced teachers, this book will be invaluable for those contemplating the study of architecture and for those already embarked on such a course.

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Editorial Review

About the Author
Pete Silver and Will McLean teach at the School of Architecture at the University of Westminster and are the co-authors of *Fabrication* (2006), *Introduction to Architectural Technology* (2008), and *Structural Engineering for Architects* (2013).

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