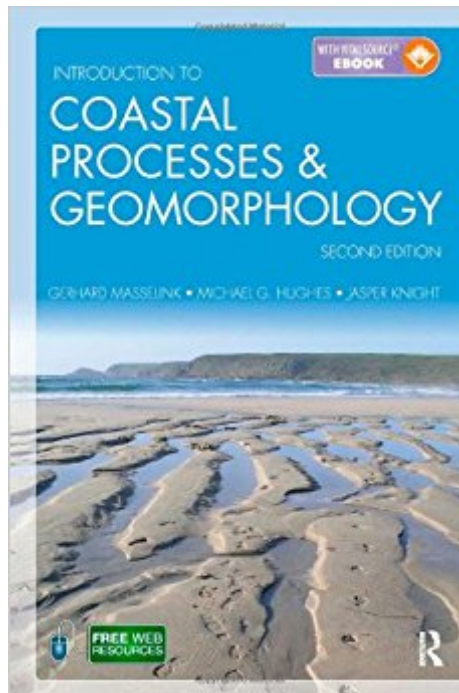




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# **Introduction To Coastal Processes And Geomorphology, Second Edition**



## Synopsis

The world's coastlines represent a myriad of dynamic and constantly changing environments. Heavily settled and intensely used areas, they are of enormous importance to humans and understanding how they are shaped and change is crucial to our future. *Introduction to Coastal Processes and Geomorphology* begins by discussing coastal systems and shows how these systems link to the processes examined in detail throughout the book. These include the morphodynamic paradigm, tides, waves and sediment transport. Later chapters explore fluvial deltas, estuaries, beaches and barriers, coastal sand dunes and geologically-influenced coasts such as cliffs, coral reefs and atolls. A new chapter addresses the forward-facing aspect of coastal morphodynamics, including the ways in which coasts respond to rapid climate changes such as present day global warming. Also new to this second edition is a chapter on future coasts which considers the wider effects of coastal change on other important aspects of coastal systems, including ecology, management, socio-cultural activities, built and natural heritage, and archaeology. Case studies using examples from around the world illustrate theory in practice and bring the subject to life. Each chapter starts by outlining the 'aims' and questions at the end allow you to track your progress.

## Book Information

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## Customer Reviews

"This book presents the full range of coastal processes and environments, providing a comprehensive yet detailed insight into how coasts work, including the impact of climate change.

Written by leaders in the field, it is a must for all students of the coast." --Professor Andrew Short,  
University of Sydney

Gerhard Masselink, Professor of Coastal Geomorphology, University of Plymouth, UK  
Michael Hughes, Senior Lecturer in Geosciences, University of Sydney, Australia  
Jasper Knight, Lecturer in Geography, Victoria University of Wellington, New Zealand

I'm using this book for my Master's Degree and it's amazing. It makes very clear statements, and the graphics although black and white are very informative.

Great for my class I am taking

Great

I got this for my geology class and I think it's good, explains concepts and background. I like that each chapter outlines what will be covered at the beginning so as I read I can look for those concepts and fill under the correct heading.

The diagrams and extensive references serve as the perfect companion to my Coastal Dynamics class. I like that it's small and paperback too...easier to bring along.

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