Wisconsin Water Library
UNIVERSITY OF WISCONSIN-MADISON

Recommended Reading
Lake Sturgeon Bowl (National Ocean Sciences Bowl)

Each year, the University of Wisconsin-Milwaukee helps host the annual Lake Sturgeon Bowl, an academic tournament in ocean sciences for high school students. The bowl is a regional competition of the National Ocean Sciences Bowl (NOSB) and is coordinated by the UWM School of Continuing Education, UWM Great Lakes WATER Institute and UW Sea Grant Advisory Services.

The bowl is an academic tournament that provides a forum for students who excel in math and science. The rapid-fire question and answer format includes categories in physics, chemistry, biology, and geology of the oceans and Great Lakes. Other topics include geography, social science, ocean-related technology and current events. More about the competition.

In support of the Lake Sturgeon Bowl, the Wisconsin Water Library is making available the following items for checkout. Any resident in Wisconsin can request an item and have it sent to their local library. Please see our Request, Borrow, Renew page for details on how to get the books delivered to your local library.

WWL call number 110241
Practical handbook of marine science Boca Raton, FL: CRC Press: 2001.
The volume provides a comprehensive reference of critical information necessary to meet the multidisciplinary research needs of all marine scientists, researchers, and anyone involved in managing marine resources. Edited by Michael J. Kennish. 3rd ed.

WWL call number 110242 Cur
Ocean circulation Oxford: Butterworth-Heinemann: 2001.
Includes sections addressing the topic of numerical modelling, and natural oscillations in the ocean-atmosphere system. This book covers the North Atlantic Oscillation and the Great Salinity Anomaly. It includes high quality full color diagrams, substantial chapter summaries ideal for revision, answers, hints and notes for questions. Prepared by Angela Colling for the course team. 2nd ed.

WWL call number 110243 Cur
Biological oceanography: an introduction by Carol M. Lalli and Timothy R. Parsons. Oxford [England]: Butterworth Heinemann: 1997.
This popular undergraduate textbook offers students a firm grounding in the fundamentals of biological oceanography. As well as a clear and accessible text, learning is enhanced with numerous illustrations including a color section, thorough chapter summaries, and questions with answers and comments at the back of the book. 2nd edition.

WWL call number 110244 Cur
Laboratory exercises in oceanography by Bernard W. Pipkin. New York: W.H. Freeman: 2001.
A stand-alone laboratory manual for any introductory oceanography lab course. 3rd ed.

WWL call number 110245 Cur
Project earth science. Physical oceanography by Brent A. Ford and P. Sean Smith. Arlington, VA: National Science Teachers Association: 1995.
Hands-on activities explore the structure of water molecules, salt and freshwater mixing, tidal forces, oil spill cleanup methods, and more. Complete materials list, annotated bibliography and directions for your own wave tank. For ages 11 - 15.

WWL call number 110246
Ecology of coastal waters: with implications for management by K.H. Mann. Malden, Mass.: Blackwell Science: 2000.
International concern about the state of the world's coastal marine ecosystems is increasing and this volume is a useful text for undergraduate and graduate life science students as well as for practicing professionals. 2nd ed.

WWL call number 110247 Cur
Seawater: its composition, properties, and behavior Oxford, UK; Boston, MA: Butterworth Heinemann; Milton Keynes, England: In Association with the Open University: 2002.
This volume forms part of an Open University courses on Oceanography. Contents: water and ice; temperature in the oceans; salinity in the oceans; light and sound in seawater; the seawater solution; seawater and the global cycle. Prepared by an Open University Course Team. 2nd ed., reprinted with corrections.

WWL call number 110248 Cur
The ocean basins: their structure and evolution Oxford: Butterworth-Heinemann: 2004.
This textbook is part of a series of text designed for use with Open University's third level course on oceanography. Included are chapters on the processes that shape ocean basins, "hot springs", and sediment distributions, among other topics. Prepared by John Wright and David A. Rothery for the course team. 2nd. ed., reprinted with corrections.

WWL call number 110249 Cur
Waves, tides, and shallow-water processes Oxford; Boston : Butterworth-Heinemann, in association with the Open University: 1999.
The book describes the characteristics of waves and tides, and their behavior in shallow water and includes some theoretical aspects of sediment movement and deposition by currents. After looking at wave action in the littoral zone, the interplay of tidal currents, river flow and wave action in estuaries and deltas are explored. The final chapter provides an overview of shelf processes.

WWL call number 110250
Case studies in oceanography and marine affairs Oxford; New York: Pergamon Press, in association with the Open University, Walton Hall, Milton Keynes, England: 1991.

WWL call number 110251
Marine biogeochemical cycles Oxford, UK; Boston, MA: Elsevier Butterworth Heinemann; Milton Keynes, England: In Association with the Open University: 2005.
Part of a series on Oceanography, this book provides an introduction to sea-floor sediments, and shows how the activities of marine organisms cycle nutrients and other dissolved constituents within the oceans, and influence the rates at which both solid and dissolved material is removed to sediments. 2nd ed., prepared by Rachael James for the Course Team.