
COASTAL RESTORATION AND HABITAT ENHANCEMENT EXAMINATION

# of Questions	Minimum Passing Score	Time Allowed
100	70 (70%)	240 Minutes

CONTENT OUTLINE

Content Area	# Items Test
Project Administration/Management	15
Environmental Assessment & Management	10
Dredging (Hydraulic, Mechanical)	13
Surveying	10
Safety	12
Earthwork (Non-Dredging)	9
Barrier Construction (Gabions, Rip Rap, Silt Fencing, Sheet Piles, Levees, Berms)	11
Reef Building (Oyster, Finfish)	6
Terraces	7
Marine Structures	7

EXAMINATION STUDY MATERIALS

The reference materials listed below were used to prepare the questions for this examination. The examination may also contain questions based on trade knowledge or general industry practices. Except for Code books, you can base your answers on later editions of references as they become available. For Code questions, the examinations will be based only on the edition of the Code book that is listed.

This examination is CLOSED book. The following references are NOT allowed in the test room.

Fundamentals of Hydraulic Dredging, Second Edition; Turner, Thomas M.; American Society of Civil Engineers; Reston, VA; 1996

Handbook of Dredging Engineering, Second Edition; Herbich, John B.; McGraw-Hill; New York; 2000.

Pile Driving by Pile Buck; Warrington, Don C., P.E., Editor; Pile Buck International, Inc.; Vero Beach, FL; 2007.

Soils in Construction, Edition: 5; Schroeder, W. L., et. al.; Pearson Prentice Hall; Upper Saddle River, NJ; 2004.

Applied Wetlands Science and Technology, Second Edition; Kent, Donald M., editor; CRC Press, LLC; Boca Raton, FL; 2001.

Project Management in Construction, Seventh Edition; Levy, Sidney M.; McGraw-Hill; New York; 2018.

Construction Surveying: Layout and Dimension Control; Jack Roberts, Ph.D.; Delmar Publishers, Inc.; New York; 1995.

Construction of Marine and Offshore Structures, Third Edition; Gerwick, Ben C., Jr.; CRC Press; Boca Raton, FL; 2007.

Plant Guide for U.S. Coastal Restoration and Protection; Nikitin, Ciktora and Esposito, Carment, Editors; Nova Science Publishers; New York; 2011.

Excavation & Grading Handbook Revised; Third Edition; Nick Capaci & John Capachi; 2006.

Hydrographic Surveying, EM 1110-2-1003; US Army Corps of Engineers; Washington, DC; 2013.

Identifying, Planning, and Financing Beneficial Use Projects Using Dredged Material: Beneficial Use Planning Manual; Oceans and Coastal Protection Division, Office of Wetlands, Oceans, and Watersheds, Office of Water, U.S. Environmental Protection Agency; Washington, DC; 2007. https://www.epa.gov/sites/production/files/2015-08/documents/identifying_planning_and_financing_beneficial_use_projects.pdf

Wetlands Engineering Handbook, ERDC/EL TR-WRP-RE-21; Olin, Trudy J., et. al.; U. S. Army Corps of Engineers, Engineer Research and Development Center, Wetlands Research Program, Environmental Laboratory; Vicksburg, MS; 2000. http://www.csu.edu/cerc/researchreports/documents/WetlandsEngineeringHandbookUSAC_E2000.pdf

Dredging and Dredged Material Management, EM 1110-2-5025; Department of the Army, U.S. Army Corps of Engineers; Washington, DC 2015. https://www.publications.usace.army.mil/Portals/76/Publications/EngineerManuals/EM_111_0-2-5025.pdf

Louisiana's Comprehensive Master Plan for a Sustainable Coast; Coastal Protection and Restoration Authority of Louisiana; Baton Rouge, LA; 2017. <http://coastal.la.gov/resources/library/reports/>

Navigation Rules and Regulations Handbook; Department of Homeland Security, U.S. Coast Guard; Washington, DC; 2014.

Safety and Health Requirements Manual, EM 385-1-1; U.S. Army Corps of Engineers; Washington, DC; 2014. https://www.publications.usace.army.mil/Portals/76/Publications/EngineerManuals/EM_385-1-1.pdf

A Louisiana Marsh Manager's Permitting Handbook; Audubon Louisiana; Baton Rouge, LA; 2017. <http://eowind.com/Pages/PermittingHandbook.htm>

Louisiana Wildlife Action Plan; Holcomb, Samuel R. et. al.; Louisiana Department of Wildlife and Fisheries; Baton Rouge, LA; 2015.

Guidance for Considering the Use of Living Shorelines 2015; U.S. Department of Commerce, National Oceanic and Atmospheric Administration; Washington, DC; 2016. https://www.habitatblueprint.noaa.gov/wp-content/uploads/2018/01/NOAA-Guidance-forConsidering-the-Use-of-Living-Shorelines_2015.pdf

Beneficial Uses of Dredged Material, EM 1110-2-5026; Department of the Army, U.S. Army Corps of Engineers; Washington, DC; 1987. https://www.publications.usace.army.mil/Portals/76/Publications/EngineerManuals/EM_111_0-2-5026.pdf?ver=2013-09-04-072948-840

Use of Geotube Dewatering Containers in Environmental Dredging; Mastin, B.J., and Lebster, G.E.; p. 1481; Watersolve, LLC; Grand Rapids, MI. https://gowatersolve.com/downloads/GeoAmericas_2008_Mastin_and_Lebster_Use_of_Geotube_Dewatering.pdf

An Assessment of Techniques for Removing Offshore Structures; National Academies Press, National Research Council; Washington, DC; 1996. <https://www.nap.edu/catalog/9072/an-assessment-of-techniques-for-removing-offshore-structures>

Weir Jetties at Coastal Inlets: Part 1, Functional Design Considerations; ERDC/CHL CHETN- IV-53; Seabergh, William C.; U.S. Army Corps of Engineers, U.S. Army Engineer Research and Development Center; Vicksburg, MS; 2002. <https://apps.dtic.mil/dtic/tr/fulltext/u2/a588889.pdf>

Guidelines for Marine Artificial Reef Materials, Second Edition; Lukens, Ronald R. and Selberg, Carrie; Artificial Reef Subcommittees of the Atlantic and Gulf States Marine Fisheries Commissions; Ocean Springs, MS, and Washington, DC; 2004.

https://www.gsmfc.org/pubs/SFRP/Guidelines_for_Marine_Artificial_Reef_Materials_January_2004.pdf

Louisiana Inshore and Nearshore Artificial Reef Plan; Louisiana Department of Wildlife and Fisheries; Baton Rouge.

Design and Construction of Retaining Dikes for Containment of Dredged Material; Hammer, David P. and Blackburn, Edward D; U.S. Army Engineer District, Savannah Soils Section, Savannah, GA; 1977.

<https://apps.dtic.mil/dtic/tr/fulltext/u2/a045311.pdf>

Deck Barge Safety; U.S. Department of Labor, Occupational Safety and Health Administration; Washington, DC; 2009. <https://www.osha.gov/Publications/3358deck-barge-safety.pdf>

Guidance Notes on Job Safety Analysis for the Marine and Offshore Industries; American Bureau of Shipping; Houston, TX; 2013. https://ww2.eagle.org/content/dam/eagle/rules-and-guides/current/other/198_jobsafetyanalysis/jsa_gn_e.pdf

Contractor's Guide to Contract Administration; US Army Corps of Engineers; Sacramento CA; 2002.

<https://rms.usace.army.mil/datafiles%5CContractors%20Guide.PDF>

Developing Your Stormwater Pollution Prevention Plan: A Guide for Construction Sites, EPA- 833-R-06- 004; U.S. Environmental Protection Agency; Washington, DC; 2007. <https://www.epa.gov/npdes/developing-stormwater-pollution-prevention-plan-swppp>

Louisiana Underground Utilities and Facilities Damage Prevention Law, La. R.S. 40:1749.1 to

1749.27. <https://www.louisiana811.com/index.php/dig-law>

How to Estimate the Cost of Mechanical Dredging; Jones, Patrick T.; Association of Professional Estimators; Nashville, TN; 2012.

https://cdn.ymaws.com/www.aspenational.org/resource/resmgr/Techical_Papers/13_June_T_P.pdf

The American Practical Navigator; Bowditch, Nathaniel, LL.D.; National Imagery and Mapping Agency; Bethesda, MD; 2002. <https://msi.nga.mil/Publications/APN>

Technical Standard for Water-Table Monitoring of Potential Wetland Sites, ERDC TN-WRAP- 05-2; U.S. Army Corps of Engineers, Wetlands Regulatory Assistance Program; 2005.

Safety and Health Regulations for Construction; 29 CFR 1926; Occupational Safety and Health Administration; Washington, DC. <https://www.govinfo.gov/content/pkg/CFR-2011-title29-vol8/pdf/CFR-2011-title29-vol8.pdf>