

Faculty

KWOK FAI CHEUNG *Chair and Professor, PhD 1991, British Columbia.*
Coastal and offshore engineering, hydrodynamics, computational methods, water wave mechanics, sediment transport.

R. CENGIZ ERTEKIN *Professor, PhD 1984, UC Berkeley.*
Hydrodynamics/elasticity, computational methods, nonlinear water waves, offshore mechanics.

B. DANDRIDGE GREESON *Specialist, PhD 1997, Hawaii; Captain, U.S. Navy (Ret.).* Offshore engineering, hydrodynamics, ROV/submersible operations.

HANS-JURGEN KROCK *Professor, PhD 1972, UC Berkeley.*
Environmental engineering, mixing and transport, water quality, ocean thermal energy conversion, hydrogen.

GENO PAWLAK *Assistant Professor, PhD 1997, UC San Diego.*
Coastal mixing processes, fluid dynamics, sediment transport.

JOHN C. WILTSHIRE *Associate Specialist, PhD 1983, Hawaii.*
Marine mineral deposits, marine mining and processing, submersible technology.



Please contact the Ocean and Resources Engineering Department for more information

Dept. of Ocean and Resources Engineering
School of Ocean and Earth Science and Technology
University of Hawaii at Manoa
2540 Dole Street, Holmes Hall 402
Honolulu, Hawaii 96822
Tel: (808) 956-7572 / Fax: (808) 956-3498
Eml: admin@oe.soest.hawaii.edu
<http://oe.soest.hawaii.edu>

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Part-Time M.S. Program in Ocean and Resources Engineering

Are you a working professional with an undergraduate engineering degree?

Do you want to obtain your M.S. degree part-time in less than three years?

If "Yes", consider the M.S. Program of the University of Hawaii's Department of Ocean and Resources Engineering in:

- *Coastal Engineering*
- *Ocean Resources Engineering*
- *Offshore Engineering*



Engineering the Oceans since 1966!

Department of Ocean and Resources Engineering
School of Ocean and Earth Science and Technology
University of Hawaii at Manoa

The Ocean and Resources Engineering Department of the University of Hawaii is one of the first departments in ocean engineering in the world, with its excellent curriculum and facilities, and outstanding faculty.



The Department is conveniently located in Holmes Hall on the Manoa campus of UH, minutes from downtown Honolulu.

Holmes Hall

The master's program in Ocean and Resources Engineering has been continuously accredited by ABET (Accreditation Board for Engineering and Technology) since 1977.

Part-time students working in professional fields, can complete the M.S. program in Ocean and Resources Engineering in 33 months and receive the same degree as full-time students by taking a maximum of two courses per semester (see the typical part-time M.S. plans).



An Ocean and Resources Engineering laboratory class off Oahu

TYPICAL PART-TIME M.S. PLANS						
M.S. Plan B Programs - Duration: 33 months						
Track-B1: Coastal Engineering Option						
Academic Year	Semester	Course Number	Course Title	Course Credit	Semester Credit	Credit Subtotals
1	Fall	607	Water Wave Mechanics	3	3	3
1	Spring	661	Coastal & Harbor Engineering	3		6
1	Spring	664	Nearshore Processes & Sediment Transport	3	6	9
1	Summer	699	Directed Reading or Research	2	2	11
2	Fall	411	Buoyancy and Stability	3		14
2	Fall	603	Oceanography for Ocean Engineers	3	6	17
2	Spring	609	Hydrodynamics of Fluid-Body Interaction	3	3	20
2	Summer	601	Ocean Engineering Laboratory	3	3	23
3	Fall	783-B	Capstone Design Project - Coastal	3	3	26
3	Spring	695	Master's Plan B Project	3		29
3	Spring	792	Seminar in Ocean Engineering	1	4	30
Total:				30		
Track-B2: Ocean Resources Engineering Option						
Academic Year	Semester	Course Number	Course Title	Course Credit	Semester Credit	Credit Subtotals
1	Fall	607	Water Wave Mechanics	3	3	3
1	Spring	678	Marine Mineral Resources Engineering	3	3	6
1	Summer	699	Directed Reading or Research	2	2	8
2	Fall	411	Buoyancy and Stability	3		11
2	Fall	603	Oceanography for Ocean Engineers	3	6	14
2	Spring	609	Hydrodynamics of Fluid-Body Interaction	3	3	17
2	Summer	601	Ocean Engineering Laboratory	3	3	20
3	Fall	677	CTEC Systems	3		23
3	Fall	783-D	Capstone Design Project - Ocean Resources	3	6	26
3	Spring	695	Master's Plan B Project	3		29
3	Spring	792	Seminar in Ocean Engineering	1	4	30
Total:				30		
Track-B3: Offshore Engineering Option						
Academic Year	Semester	Course Number	Course Title	Course Credit	Semester Credit	Credit Subtotals
1	Fall	607	Water Wave Mechanics	3	3	3
1	Spring	609	Hydrodynamics of Fluid-Body Interaction	3	3	6
1	Summer	699	Directed Reading or Research	2	2	8
2	Fall	411	Buoyancy and Stability	3		11
2	Fall	603	Oceanography for Ocean Engineers	3	6	14
2	Spring	612	Dynamics of Ocean Structures	3	3	17
2	Summer	601	Ocean Engineering Laboratory	3	3	20
3	Fall	630	Structural Analysis in Ocean Engineering	3		23
3	Fall	783-C	Capstone Design Project - Offshore	3	6	26
3	Spring	695	Master's Plan B Project	3		29
3	Spring	792	Seminar in Ocean Engineering	1	4	30
Total:				30		