
APPENDIX E

Proposed Course Outline

PROPOSED COURSE OUTLINE, FINAL DRAFT, DECEMBER 16, 2000

MODULE 1 - Coastal Zone/Island Systems Management

Duration: 3 to 5 days (on each island)

Location: Antigua, Dominica, St. Lucia, Grenada

Target Audience: Planners, Surveyors, NGO's, Tourist Board/Hoteliers, Architects, Ministry of Works Engineers, Fisheries Officers, National Trust Staff, Private Sector Engineers, Coastal Stakeholders, Educators

C	Elements of Coastal Zone Management	(Carib-IMA)
C	Coastal Processes I	(US)
C	Coastal Hazards and Vulnerability	(US/Carib)
C	Land Use Planning	(Carib)
C	Legislative Environment and Policy	(Carib)
C	EIA	(Carib)
C	Marine Biological Issues	(Carib)
C	Beach Management	(US)
C	Climate Change	(US/Carib)
C	Data Collection and Analysis	(US)
C	Watershed Management and Coastal Water Quality	(US/Carib)

MODULE 2 - Coastal Defense Systems

Duration: Two 1-week courses

Classroom Portion, Session 1

Location: St. Lucia, large audience

Target Audience: Planners, Ministry of Works Engineers, Public and Private Sector Engineers

C	Coastal Processes II	(US/Carib)
C	Introduction to Coastal Defense Systems	(Carib)
C	Coastal Mapping Data Collection (Geotechnical, Geological, Bathymetric, Topographic, Hydrographic, etc.)	(US)
C	Coastal Hazards and Vulnerability	(Carib)
C	Sources and Uses of Coastal Hazard Information	(Carib)

Classroom Portion, Session 2

Location: Dominica, small audience

Target Audience: Public and Private Sector Engineers

C	Codes of Practice/Design Criteria	(US/Carib)
C	Design of Coastal Roads	(Carib)
C	Design of Coastal Defense Works	(US/Carib)
C	Drawings, Specifications and Contract Documents	(US/Carib)

Field Portion, Dominica only

C	Visit to Projects, examples of successes and failures	(Carib)
C	Presentation by Consultants for a USAID Funded Project	(Carib)
C	Presentation by Contractor for a USAID Funded Project	(Carib)
C	Tour of Construction Sites	(Carib)

MODULE 3 - Monitoring and Maintenance

Duration: 4 days plus 1 day in field

Location: Grenada

Target Audience: Public Sector Officials, Emergency Relief Agencies, Operators of Ports and Marinas, Surveyors, Testing Agencies/Laboratories

C	Monitoring of Coastal Erosion	(Carib/US)
C	Materials in a Marine Environment	(US)
C	Vulnerability	(Carib/US)
C	Maintenance Management Systems	(US)
C	Inspection and Condition Surveys	
C	Analysis	
C	Program Development	
C	Implementation and Maintenance Methods	
C	Monitoring and Feedback	
C	Disaster Preparedness/Safety	(US)
C	Introduction to Data Acquisition and Remote Sensing	(Carib/US)
C	Replacement Analysis	(Carib)

MODULE 4 - Design of Marine Structures

Duration: 1 week

Location: Trinidad

Target Audience: Public and Private Sector Engineers

- C Hazard Assessments and Risk Analysis (US/Carib)
 - C Winds, Waves, Seismic
 - C TAOS
- C Codes of Practice and Design Standards (US/Carib)
- C Design of Marine Structures (Carib/SW)
- C Case Studies of Failures and Successes (Carib)