



INTERNATIONAL OCEAN INSTITUTE



**TRAINING PROGRAMME ON
*OCEAN GOVERNANCE: POLICY, LAW AND MANAGEMENT***

SYLLABUS

**16th May – 13th July, 2012
Dalhousie University, Halifax, Canada**

SUMMARY OF MODULES

MODULE 1:	<i>Orientation and Introduction to the Training Programme</i>
MODULE 2:	<i>Ocean Sciences</i>
MODULE 3:	<i>Integrated Coastal and Ocean Management</i>
MODULE 4:	<i>Law of the Sea and Principled Ocean Governance</i>
MODULE 5:	<i>Fisheries and Aquaculture</i>
MODULE 6:	<i>Communication and Negotiation</i>
MODULE 7:	<i>Maritime Security</i>
MODULE 8:	<i>Energy</i>
MODULE 9:	<i>Marine Transportation</i>
MODULE 10:	<i>International Round Table Conclusion of Training Programme</i>

SYLLABUS

MODULE 1

Orientation and Introduction to the Training Programme

Wednesday, 16th May

9:30 – 10:00	Introductions & Administrative Matters	Ms Rebecca Perrott (Module Leader)
10.15 – 12.00	Killam Library Tour	Ms Michelle Paon
1.30 – 3.15	Managing at University	Dr David Mensink
3.30 – 4.30	Walking Tour of Upper Campus	Ms Katherine Hay

Thursday, 17th May

10.30 – 12.00	Intercultural Awareness	Dr Patricia De Méo
1.30 – 4.00	Ethical Issues in Ocean Governance	Prof. Ian McAllister

Friday, 18th May

9.00 – 12.00	Organisation of Course Work, and Introduction to Modules & Module Leaders	Mr Mike Butler Module Leaders IOI staff
1.30 – 2.30	The Sea in Human History	Mr David Griffiths
2.30 – 2.45	Introduction to Simulation Exercise	Mr David Griffiths
4.00 – 6.00	Opening Ceremony	Ms Anita Coady All

Saturday, 19th May

All day Free. Optional morning trip to Farmers Market

Sunday, 20th May

All day Free

Monday, 21st May

All day Free for Victoria Day holiday

<p style="text-align: center;">MODULE 2 Ocean Sciences</p>

Tuesday, 22nd May

9.00 – 12.00	Introduction to Ocean Sciences, and Health of the Oceans	Dr Peter Wells (Module Leader)
1.30 – 4.00	Introduction to Oceanography	Dr Doug Wallace

Wednesday, 23rd May

9.00 – 12.00	Land/Sea Interface: Estuarine and Coastal Waters	Dr Graham Daborn
1.30 – 4.00	Science into Policy	Dr Bruce Hatcher

Thursday, 24th May

8.30 – 10.00	Ocean Weather and Forecasting	Mr Doug Mercer
10.15 – 12.00	Eco-boundaries and Habitat	Dr John Roff
12.30 – 5.00	Field Trip: Bedford Institute of Oceanography	Mr Bruce Anderson Dr Steve Campana Mr Kristian Curran Mr Michel Goguen Mr Tim Hall Ms Hilary Moors Ms Heidi Schaefer Dr Jacob Verhoef Dr Alain Vézina

Friday, 25th May

9.00 – 12.00	Climate Change	Dr John Shaw
1.30 – 3.30	Remote Sensing and the Oceans	Mr Dirk Werle
3.30 – 4.00	Simulation Exercise 2	Mr David Griffiths

Saturday, 26th May

All day Free

Sunday, 27th May

All day Free

Monday, 28th May

9.00 – 12.00	Mangroves and Human Security	Dr Brad Walters
1.30 – 4.00	Marine Biodiversity: Census of Marine Life, and Ocean Tracking Network	Dr Ron O’Dor Mr Bob Branton
4.00 – 4.30	Module Wrap-up	Dr Peter Wells

MODULE 3
Integrated Coastal and Ocean Management

Tuesday, 29th May

9.00 – 12.00	Introduction to Integrated Coastal and Ocean Management (<i>venue: IOI Lecture Room, 6414 Coburg Road</i>)	Dr Larry Hildebrand (Module Leader)
1.30 – 4.00	Coastal Tourism (<i>venue: Maritime Museum of the Atlantic</i>)	Ms Heather Yule Mr Richard MacMichael

Wednesday, 30th May (*venue: IOI Lecture Room, 6414 Coburg Road*)

9.00 – 12.00	Marine Spatial Planning	Mr Paul Macnab Mr Glen Herbert
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Tuesday, 5th June

9.00 – 12.00	Precautionary Principle	Mr David Dzidzornu
1.30 – 4.00	Ecosystem Approach and Integration	Dr Lucia Fanning

Wednesday, 6th June

9.00 – 12.00	Maritime Boundary Delimitation	Prof. Phillip Saunders
1.30 – 4.00	Toolbox: Project Cycle	Prof. Ian McAllister
6.30 onwards	Oceans Film Festival (optional)	

Thursday, 7th June

9.00 – 12.00	Polluter Pays	Mr Kenneth MacInnis
1.30 – 4.00	Equity and International Fisheries Law	Ms Cecilia Engler

Friday, 8th June (World Oceans Day)

9.00 – 10.30	Simulation Exercise 4	Mr David Griffiths
10.45 – 12.00	Contemporary Issues, and Module Wrap-up	Mr Hugh Williamson
1.30 – 2.45	Toolbox: Overview of UN Agencies	Dr Daniela Diz
3.00 – 4.00	Participant Presentations	Participants
7.00 onwards	Elisabeth Mann Borgese Ocean Lecture – <i>Blue Planet Under Threat: Challenges and Opportunities at Rio+20</i> – and reception	Dr Awni Behnam Dr Susanna Fuller Ms Megan Leslie Hon. David MacDonald Dr Larry Hildebrand (chair) All

Saturday, 9th June

7.00 p.m.	Optional: Oceans Concert (Halifax Waterfront)	
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Sunday, 10th June

All day	Free.	
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MODULE 5
Fisheries and Aquaculture

Monday, 11th June

9.00 – 12.00	Introduction to Module, and Fishery Governance Issues	Dr Tony Charles (Module Leader)
1.30 – 4.00	High Seas Fisheries and Marine Conservation	Dr Susanna Fuller

Tuesday, 12th June

9.00 – 12.00	Socio-economic Monitoring for Fisheries	Ms Maria Pena
1.30 – 2.45	Overview of Fisheries Management in Canada	Mr Stefan Leslie
3.00 – 4.30	Participant Presentations	Participants

Wednesday, 13th June

9.00 – 12.00	Ecosystem-based Fishery Management	Dr Nancy Shackell Dr Tony Charles
12.30	Official Class Photograph	All
1.30 – 2.30	Aboriginal Fisheries	Prof. Patricia Doyle-Bedwell
2.45 – 4.00	Community Fisheries	Dr Tony Charles
6.30 onwards	Oceans Film Festival (optional)	

Thursday, 14th June

9.00 – 10.30	Small-scale Fisheries in Latin America: Shifting Conventional Paradigms	Mr Mauricio Castrejón
10.45 – 12.00	Participant Presentations	Participants
1.30 – 4.00	Fisheries Management: Tools and Approaches	Dr Tony Charles

Friday, 15th June

9.00 – 12.00	Aquaculture	Mr David Roberts
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1.00 – 1.25	Briefing on Marine Affairs Programme (optional)	Ms Becky Field
1.30 – 2.45	Fish Processing	Mr Geordie MacLachlan
3.00 – 4.30	Salmonid Fisheries	Dr Fred Whoriskey

Saturday, 16th June

All day	Field Trip to Bay of Fundy: Sustainable Fish Farming Canada Ltd, Grand Pré Historic Site, Annapolis Tidal Power Station, Annapolis Royal Marsh Nature Trail	Mr David Roberts Mr Kirk Havercroft Mr Bruce Gurnham Dr Jon Percy
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Sunday, 17th June

All day	Field Trip to Bay of Fundy: Innovative Fishery Products Inc., Fort Anne, Port Royal, Bear River First Nation Cultural Centre	Mr Doug Bertram Mr Frank Meuse Jr Ms Shalan Joudry
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Monday, 18th June

All day	Field Trip to Bay of Fundy: Acadian Seaplants, Lobster Boat Trip, Cooke Aquaculture	Mr Will Neily Mr Kevin Robichaud Mr Chris Hudson Mr Michael Johnston Mr Todd Mosher Ms Rebecca Perrott
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MODULE 6
Communication and Negotiation

Tuesday, 19th June

9.00 – 10.30	Free time: field trip recovery!	Participants
10.45 – 12.00	Introduction to Module, and Media	Prof. Kim Kierans (Module Leader)
1.30 – 4.00	Presentation Skills	Prof. Kim Kierans Mr Tim Tracey
4.00 – 4.30	Participant Presentation	Participants

Wednesday, 20th June

9.00 – 12.00	Presentation Skills (cont.)	Prof. Kim Kierans Mr Tim Tracey
1.30 – 4.00	Communication	Mr Peter MacLellan
6.30 onwards	Oceans Film Festival (optional)	

Thursday, 21st June

8.15 – 12.30	International Conference: The Regulation of Continental Shelf Development (venue: Lord Nelson Hotel)	Conference Speakers
1.30 – 4.00	Theory and Preparation for Negotiation	Mr Hugh Williamson Prof. Diana Ginn

<p style="text-align: center;">MODULE 7 Maritime Security</p>
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Friday, 22nd June

All day	Emergency Management	Ms Murielle Provost Ms Joanne Lawlor
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Saturday, 23rd June

All day	Free	
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Sunday, 24th June

All day	Free	
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Monday, 25th June

9.00 – 10.30	Simulation 5	Mr David Griffiths
10.45 – 12.00	Maritime Security Issues	Mr David Griffiths (Module Leader)
1.30 – 4.00	Maritime Security Issues (cont.)	Mr David Griffiths
4.00 – 4.30	Participant Presentation	Participants

Tuesday, 26th June

9.00 – 10.30	Introduction to Integrated Maritime Compliance and Enforcement (IMCE)	Cdr Bob Edwards (ret'd) Mr Glen Herbert
10.45 – 12.00	IMCE Exercise	Cdr Bob Edwards (ret'd) Mr Glen Herbert
1.30 – 4.00	IMCE Exercise (cont.)	Cdr Bob Edwards (ret'd) Mr Glen Herbert

Wednesday, 27th June

9.00 – 12.00	IMCE Exercise (cont.)	Cdr Bob Edwards (ret'd) Mr Glen Herbert
1.30 – 3.30	IMCE Exercise (cont.)	Cdr Bob Edwards (ret'd)
3.30 – 4.00	Module Wrap-up	Mr David Griffiths

MODULE 8
Energy

Thursday, 28th June

9.00 – 12.00	Introduction to Energy Module	Mr Doug Gregory
1.30 – 2.45	Introduction to Geology	Mr David Brown
3.00 – 4.00	Introduction to Geophysics	Mr Tony LaPierre

Friday, 29th June

9.00 – 10.30	Tidal Power	Mr John Woods
10.45 – 12.00	Regulation and CEAA	Mr Eric Theriault
1.30 – 4.00	Participant Presentations	Participants

Saturday, 30th June

All day	Free	
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Sunday, 1st July

All day Free

Monday, 2nd July

All day Free: Canada Day holiday

Tuesday, 3rd July

9.00 – 12.00	Tidal Power: Environmental Aspects	Mr Joe Kozak
1.30 – 2.45	Community: Sustainable and Renewable Energy	Dr Alain Joseph
3.00 – 4.00	Wind Power	Mr Kevin Doucette
4.00 – 4.30	Participant Presentation	Participants

Wednesday, 4th July

9.00 – 12.00	Toolbox: Performance Management	Mr Michael Haley
1.30 – 2.45	Solar Power	Dr Peter Allen
3.00 – 4.00	Simulation Exercise 6	Mr David Griffiths

<p style="text-align: center;">MODULE 9 Marine Transportation</p>
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Thursday, 5th July

9.00 – 12.00	Introduction to Marine Transportation	Mr Dick Hodgson (Module Leader)
1.30 – 4.00	The Business of Shipping Trade Realities and Public Policy	Dr Mary Brooks
4.00 – 4.30	Participant Presentation	Participants

Friday, 6th July

9.00 – 12.00	Evolution of Containerisation	Mr James Frost
1.30 – 4.00	Human Elements of International Shipping	Capt. Angus McDonald

Saturday, 7th July

All day	Simulation Exercise: Preparation of Presentations	Participants
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Sunday, 8th July

All day	Simulation Exercise: Preparation of Presentations	Participants
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Monday, 9th July

All day	Field trip: HMCS Sackville, Port of Halifax, Eastern Canada Response Corporation	Mr David Griffiths Capt. Deidre Lewis Mr Addison Vickerd Ms Rebecca Perrott
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Tuesday, 10th July

9.00 – 12.00	Role and Record of the International Maritime Organisation (IMO)	Mr Bud Streeter
1.30 – 3.30	Safety of Ships	Capt. Alan Knight
3.30 – 4.00	Module Wrap-up	Mr Dick Hodgson

MODULE 10
International Round Table
Conclusion of Training Programme

Wednesday, 11th July

9.30 – 10.45	Round Table – Panel Presentations and Discussion, Introduction to Simulation & Scenario	Dr Elizabeth De Santo Dr Dan Lane Dr Robert Rangeley Mr David Griffiths Participants
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11.00 – 12.30	Round Table – Participant Presentations: National Oceans Policy Frameworks	Dr Elizabeth De Santo Dr Dan Lane Dr Robert Rangeley Participants
2.00 – 5.15	Round Table – Participant Presentations: National Oceans Policy Frameworks (cont.)	Mr Joshua Brien Dr Elizabeth De Santo Dr Dan Lane Dr Robert Rangeley Participants

Thursday, 12th July

9.00 – 12.00	Round Table – Working Sessions	Mr Joshua Brien Dr Elizabeth De Santo Dr Dan Lane Dr Robert Rangeley Participants
1.30 – 1.45	Round Table – Presentation on Commonwealth Secretariat	Mr Joshua Brien
1.45 – 4.00	Round Table – Participant Presentations: Regional Oceans Policy Framework	Mr Joshua Brien Dr Elizabeth De Santo Dr Dan Lane Dr Robert Rangeley Participants
4.30 – 6.30	Closing Ceremony and Reception	All

Friday, 13th July

9.00 – 11.30	Feedback, What Next? and Closing Remarks	Mr Michael Butler Ms Madeleine Coffen-Smout Mr David Griffiths Ms Rebecca Perrott Participants
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