



INTERNATIONAL OCEAN INSTITUTE



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

SYLLABUS

**18th May – 15th July, 2011
Dalhousie University, Halifax, Canada**

SUMMARY OF MODULES

MODULE 1:	<i>Orientation and Introduction to the Training Programme</i>
MODULE 2:	<i>Integrated Coastal and Ocean Management</i>
MODULE 3:	<i>Ocean Sciences</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>Energy</i>
MODULE 8:	<i>Maritime Security</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, 18th May

9:30 – 10:00	Introductions & Administrative Matters	Ms Lara Green (Module Leader)
10.15 – 12.00	Killam Library Tour	Ms Michelle Paon
1.30 – 2.45	Introduction to Computing Services	Mr Amir Feridooni
3.00 – 4.00	Walking Tour of Upper Campus	Ms Katherine Hay

Thursday, 19th May

9.00 – 9.45	Ethical Issues in Ocean Governance	Prof. Ian McAllister
10.00 – 12.00	Kaleidoscope: the Intercultural Experience	Mr Jack Potter Ms Soulafa Al-Abbasi
1.30 – 3.30	Managing at University	Dr David Mensink

Friday, 20th May

9.00 – 12.00	Organisation of Course Work, and Introduction to Modules & Module Leaders	Mr Mike Butler Module Leaders IOI staff
1.30 – 2.45	The Sea in Human History	Mr David Griffiths
4.00 – 6.00	Opening Ceremony	Dr Aldo Chircop All

Saturday, 21st May

All day Free. Optional morning trip to Farmers Market

Sunday, 22nd May

All day Free

Monday, 23rd May

9.00 – 12.00 Participant Presentations Participants

12.00 onwards Free for Victoria Day holiday

<p style="text-align: center;">MODULE 2 Integrated Coastal and Ocean Management</p>
--

Tuesday, 24th May

9.00 – 10.30 Introduction to ICOM Module Ms Alison Evans (Module Leader)

10.45 – 12.00 ICOM Catalyst: Atlantic Coastal Zone Information Steering Committee (ACZISC) Mr Andrew Sherin
Ms Alexi Westcott

1.30 – 4.00 Coastal Framework Mr Sean Weseloh McKeane

Wednesday, 25th May

9.00 – 12.00 Coastal Tourism (venue: Maritime Museum of the Atlantic) with Museum Tour Ms Jennifer Weseloh McKeane
Mr Derek Harrison

1.30 – 4.00 Marine Spatial Planning and MPAs Mr Paul Macnab
Mr Glen Herbert

Thursday, 26th May

9.00 – 11.45 Planning in Coastal Regions Dr Patricia Manuel

11.45 – 12.00 Module Wrap-up Ms Alison Evans

1.30 – 4.00 Simulation Exercise Mr David Griffiths

Friday, 27th May

9.00 – 12.00 Toolbox: Introduction to GIS (venue: Rowe 4001) Ms Jennifer Strang

1.30 – 4.00 Toolbox: GIS Applications (venue: Rowe 4001) Mr James Boxall
Mr Raymond Jahncke

Saturday, 28th May

All day Free

Sunday, 29th May

All day Free

MODULE 3
Ocean Sciences

Monday, 30th May

9.00 – 9.30	Introduction to Module	Dr Peter Wells (Module Leader)
9.30 – 12.00	Health of the Oceans	Dr Peter Wells
1.30 – 4.00	Introduction to Oceanography	Dr Anna Metaxas

Tuesday, 31st 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

Wednesday, 1st June

9.00 – 12.00	Ocean Weather and Forecasting	Mr Doug Mercer
1.30 – 4.00	Oil Pollution in the Gulf of Mexico	Dr Peter Wells

Thursday, 2nd June

9.00 – 12.00	Climate Change	Dr John Shaw
1.30 – 4.00	Remote Sensing and the Oceans	Mr Dirk Werle

Friday, 3rd June

9.00 – 11.30	Deep Sea Coral Case Study	Dr Martin Willison
--------------	---------------------------	--------------------

11.30 – 12.00	Module Wrap-up	Dr Peter Wells
1.30 – 4.00	Participant Presentations	Participants

Saturday, 4th June

All day Free

Sunday, 5th June

All day Free

<p>MODULE 4 Law of the Sea and Principled Ocean Governance</p>

Monday, 6th June

9.00 – 12.00	Introduction to Law of the Sea	Mr Hugh Williamson (Module Leader)
1.30 – 2.45	Introduction to Law of the Sea (cont.)	Mr Hugh Williamson
3.00 – 4.00	Simulation Exercise	Mr David Griffiths

Tuesday, 7th June

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

Wednesday, 8th June (World Oceans Day)

9.00 – 12.00	Maritime Boundary Delimitation	Prof. Phillip Saunders
1.30 – 4.00	Article 76, UN Convention on the Law of the Sea	Dr Richard Haworth
7.00 onwards	Elisabeth Mann Borgese Ocean “Lecture” – <i>Arts and the Sea: A Celebration</i> – with reception to follow	Mr Paul Kennedy Dr Kathy Mac Ms Donna Morrissey Mr Dusan Kadlec Mr Scott Macmillan Ms Jennyfer Brickenden

Thursday, 9th June

9.00 – 12.00	Polluter Pays	Mr Kenneth MacInnis
1.30 – 3.30	Social Equity: International Fisheries	Ms Cecilia Engler
3. 30 – 4.00	Module Wrap-up	Mr Hugh Williamson

Friday, 10th June

All day	Field trip: Bedford Institute of Oceanography	Mr Bruce Anderson Mr Kristian Curran Mr Gordon Fader Mr Derek Fenton Mr Michel Goguen Ms Jennifer Hackett Mr Tim Hall Mr Warren Joyce Dr David Mosher Mr Brian Robinson Dr Kent Smedbol Dr Jacob Verhoef Dr Alain Vézina Ms Maxine Westhead
---------	---	--

Saturday, 11th June

All day	Free
---------	------

Sunday, 12th June

All day	Free
---------	------

<p style="text-align: center;">MODULE 5 Fisheries and Aquaculture</p>
--

Monday, 13th June

9.00 – 10.30	Introduction to Module	Dr Tony Charles (Module Leader)
10.45 – 12.00	Overview of Fisheries Management in Canada	Mr Bob O'Boyle
1.30 – 2.45	Fisheries Governance: Issues and Solutions	Dr Tony Charles

3.00 – 4.00 Participant Presentations Participants

Tuesday, 14th June

9.00 – 12.00 Ecosystem-based Fishery Management Dr Nancy Shackell
Dr Tony Charles

1.30 – 2.45 Northwest Atlantic Fisheries Organisation: an RFMO Dr Vladimir Shibanov

3.00 – 4.00 Fisheries Management in Nigeria and the Gulf of Guinea Dr Yetunde Agbeja

Wednesday, 15th June

9.00 – 12.00 Toolbox: Project Cycle Prof. Ian McAllister

1.30 – 4.00 International Fisheries Dr Susanna Fuller

Evening Oceans Film Festival: First Screening (optional) Ms Rebecca Jamer

Thursday, 16th June

9.00 – 12.00 Aquaculture Mr David Roberts

1.30 – 3.30 Fish Processing Mr Geordie MacLachlan

3.30 – 4.00 Module Wrap-up Dr Tony Charles

Friday, 17th June

9.00 – 10.30 Toolbox: Information Management Mr Paul Boudreau (Module Leader)

10.45 – 12.00 Toolbox: State of the Environment Reporting Dr Jay Walmsley

1.30 – 4.00 Community-based Management Mr Chris Milley

Saturday, 18th June

All day Field Trip to Bay of Fundy: Sustainable Fish Farming Canada Ltd, Grand Pré Historic Site, Annapolis Tidal Power Station, Annapolis Royal Nature Trail Mr David Roberts
Dr Jeremy Lee
Mr Leslie Smith
Dr Jon Percy
Ms Lara Green

Sunday, 19th June

All day	Field Trip (cont.): Innovative Fishery Products, Fort Anne, Port Royal, Bear River First Nations Cultural Centre	Mr Doug Bertram Mr Frank Meuse Jr Ms Shalan Joudry Ms Lara Green
---------	--	---

Monday, 20th June

All day	Field Trip (cont.): Acadian Seaplants, Bay of Fundy – RS/GIS, Lobster Boat Trip, Cooke Aquaculture	Mr Will Neily Mr Nalan Thirupathi Dr Tim Webster Mr Nathan Crowell Mr Chris Hudson Mr Michael Johnston Mr Todd Mosher Ms Lara Green
---------	--	--

<p style="text-align: center;">MODULE 6 Communication and Negotiation</p>
--

Tuesday, 21st June

9.00 – 12.00	Introduction to Module, and Media	Mr Ian Porter (Module Leader)
1.30 – 4.00	Presentation Skills	Mr Ian Porter Mr Tim Tracey

Wednesday, 22nd June

9.00 – 12.00	Presentation Skills (cont.)	Mr Ian Porter Mr Tim Tracey
12.00	Group Photograph	All
1.30 – 4.00	Communication	Mr Peter MacLellan
Evening	Oceans Film Festival: Second Screening (optional)	Participants

Thursday, 23rd June

9.00 – 12.00	Negotiation Theory	Dr Gil Winham
1.30 – 4.00	Preparing for Negotiation	Mr Hugh Williamson Prof. Diana Ginn

MODULE 7
Energy

Friday, 24th June

9.00 – 10.30	Simulation Exercise	Mr David Griffiths
10.45 – 12.00	Tidal Power: Technical Aspects	Mr John Woods
1.30 – 4.00	Toolbox: Environmental Assessment	Mr Derek McDonald Mr Donald Humphrey

Saturday, 25th June

All day Free

Sunday, 26th June

Evening Oceans Film Festival: Third Screening (optional) Participants

Monday, 27th June

9.00 – 12.00	Introduction to Module	Mr Carey Ryan (Module Leader)
1.30 – 2.45	Introduction to Geology	Mr David Brown
3.00 – 4.00	Introduction to Geophysics	Mr Tony LaPierre
Evening	Oceans Film Festival: Final Screening (optional)	Participants

Tuesday, 28th June

9.00 – 10.30	Exploration and Risk	Mr Norman Miller
10.45 – 12.00	Regulation and CEEA	Mr Eric Theriault
1.30 – 2.45	Participant Presentations	Participants
3.00 – 4.00	Tidal Power: Environmental Aspects	Mr Joe Kozak

Wednesday, 29th June

9.00 – 10.30	Wind Power	Mr Kevin Doucette
10.45 – 12.00	Wind Energy: Community Perspective	Mr Terry Norman
1.30 – 2.45	Solar Power	Dr Peter Allen
3.00 – 4.00	Community Sustainability	Dr Alain Joseph
4.00 – 4.30	Module Wrap-up	Mr Carey Ryan

<p style="text-align: center;">MODULE 8 Maritime Security</p>
--

Thursday, 30th June

9.00 – 11.15	Simulation Exercise	Mr David Griffiths
11.45– 1.45	Field Trip: HMCS Sackville including informal Introduction to Concepts of Maritime Security	Mr David Griffiths (Module Leader)
2.00 – 4.00	Field Trip: Port of Halifax	Capt. Deidre French

Friday, 1st July (Canada Day)

All day Free

Saturday, 2nd July

All day Free

Sunday, 3rd July

All day Free

Monday, 4th July

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

Tuesday, 5th July

All day	IMCE Exercise (cont.)	Cdr Bob Edwards (ret'd) Mr Glen Herbert Mr Matthew Gillis
---------	-----------------------	---

Wednesday, 6th July

9.00 – 12.00	Emergency Management & Coastal Communities	Ms Murielle Provost Dr Ron Pelot Mr David Griffiths
1.30 – 3.30	Emergency Management & Coastal Communities (cont.)	Ms Murielle Provost Mr John Webb Mr David Griffiths
3.30 – 4.00	Module Wrap-up	Mr David Griffiths

MODULE 9 Marine Transportation
--

Thursday, 7th July

9.00 – 12.00	Introduction to Marine Transportation	Mr Dick Hodgson (Module Leader)
1.00 – 1.20	Briefing on Marine Affairs Programme (optional)	Ms Becky Field
1.30 – 2.45	Simulation Exercise	Mr David Griffiths
3.00 – 4.00	Study Period	Participants

Friday, 8th July

9.00 – 12.00	Economic Dimensions of Shipping	Dr Mary Brooks
1.30 – 4.00	Evolution of Containerisation	Mr Jim Frost

11.00 – 12.30 Round Table – Participant Presentations:
National Oceans Policy Frameworks
Mr Masahiro Akiyama
Dr Awni Behnam
Dr Dan Lane
Dr Robert Rangeley
Mr Eiji Sakai
Participants

1.30 – 4.45 Round Table – Participant Presentations:
National Oceans Policy Frameworks (continued)
Mr Masahiro Akiyama
Dr Awni Behnam
Dr Dan Lane
Dr Robert Rangeley
Mr Eiji Sakai
Mr Hugh Williamson
Participants

Thursday, 14th July

9.00 – 10.45 Round Table – Working Sessions
Mr Masahiro Akiyama
Dr Awni Behnam
Dr Dan Lane
Dr Robert Rangeley
Mr Eiji Sakai
Mr Hugh Williamson
Participants

11.00 – 12.00 Round Table – Case Study on Japan’s Ocean Policy
Mr Masahiro Akiyama

1.30 – 1.45 Official Opening of the Elisabeth Mann Borgese
Archives
Dr Awni Behnam
Mr Michael Moosberger
Dr Martha Crago

1.45 – 4.15 Round Table – Participant Presentations:
Regional Oceans Policy Framework
Mr Masahiro Akiyama
Dr Awni Behnam
Dr Dan Lane
Dr Robert Rangeley
Mr Eiji Sakai
Mr Hugh Williamson
Participants

4.30 – 6.30 Closing Ceremony and Reception
All

Friday, 15th July

9.30 – 12.00 Feedback, What Next? and Closing Remarks
Mr Michael Butler
Ms Madeleine Coffen-Smout
Mr David Griffiths
Participants