



Republic of the Philippines
Department of Environment and Natural Resources

Visayas avenue, Diliman, Quezon City, 1100
Tel Nos. (632) 929-66-26 to 29 • (632) 929-62-52
929-66-20 • 929-66-33 to 35
929-70-41 to 43

MEMORANDUM

FOR/TO : The Regional Executive Directors
DENR Regions 1-12, CAR, NCR and CARAGA
EMB Regions 1-12, CAR, NCR and CARAGA
The Director, Legal Service

FROM : The Undersecretary
Management and Technical Services
and Chair, DENR Scholarship Committee

SUBJECT : **CANADIAN INTERNATIONAL DEVELOPMENT AGENCY (CIDA)**

DATE : **JAN 12 2004**

The Canadian International Development Agency (CIDA) invites our participation in the training course below. In this regard, please nominate one candidate for the course.

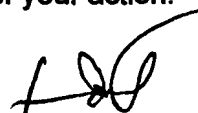
Course Title	Duration/Venue	Qualifications
Marine Scholarship Program for Study in a Marine-related Master's Program: 1. Master's Program in Marine Affairs (MAP) 2. Marine and Environmental Law Program (MELP)	Dalhousie University, Canada	See attached brochure

The general criteria and requirements in the selection of your nominee are as follows:

1. Nomination letter/Memorandum addressed to the Secretary by the Head of Office;
2. Service Record
3. Certification on the following which may all be stated in one certification
 - a. no pending administrative case;
 - b. salary payment while on training;
 - c. nominee's attendance of the training will not affect the operation of the unit
 - d. performance rating for the last two rating periods (January to June and July to December 2003); and
 - e. nominee has not gone abroad within the preceding 24 months or travel history.
4. Certification of actual duties and responsibilities and related experience;
5. Certified photocopy of college transcript and diploma;
6. If married, written consent of spouse; and
7. Duly accomplished Personal Data Sheet.
8. Age requirements: 40 years old and below

Submit the names of nominees together with the required papers (through the HRDS Director) not later than 23 January 2004.

For your action.


ROLANDO L. METIN



United Nations Development Programme



Partnerships in Environmental Management
for the Seas of East Asia



International Maritime Organization

A Project of the Global Environment Facility

REF:RAS/98/G33/A/1G/19

January 8, 2004

Mr. Rolando L. Metin
Undersecretary for Management and Technical Services
Department of Environment and Natural Resources
Visayas Avenue
Quezon City



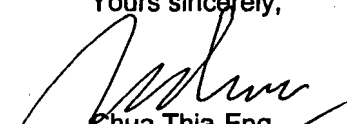
Dear Undersecretary Metin,

Greetings of a prosperous New Year to you and your staff.

The Canadian Embassy has forwarded the attached letter from the Canadian International Development Agency (CIDA) offering the Marine Scholarship Program for study in a marine-related Master's Program at Dalhousie University in Canada. Please pass on the information and application forms to any department or individuals who are interested to apply for the Program.

Enclosed please find the invitation letter, application forms for CIDA scholarship and Dalhousie University Master of Marine Management Program, and reference on the University's Marine Affairs Program.

Yours sincerely,


Chua Thia-Eng
Regional Programme Director



Visiting Address: c/o Department of Environment and Natural Resources (DENR) Compound, Visayas Avenue, Quezon City, Philippines
Mailing Address: P.O. Box 2502, Quezon City 1165, Philippines; Telephone/Fax: (632) 926-9712, (632) 426-3849
Telephone: (632) 920-2211; (632) 926-3752, 929-6626 local 2099; E-mail: info@pemsea.org; Website: www.pemsea.org



Agence canadienne de
développement international

200, promenade du Portage
Gatineau (Québec)
CANADA K1A 0G4

www.acdi-cida.gc.ca

November 13, 2003

Canadian International
Development Agency

200 Promenade du Portage
Gatineau, Quebec
CANADA K1A 0G4

To Whom It May Concern

I am writing with reference to the Marine Scholarship Program offered by Canadian International Development Agency (CIDA). The goal of CIDA's Marine Scholarship Program is to enhance the knowledge, research skills and perspectives of nationals from coastal developing countries, to manage and develop marine sector activities in their exclusive economic zones. It awards approximately ten to a dozen scholarships per year for study in specific marine-related Master's Programs at Dalhousie University in Canada. A number of awards are also allocated for study at the Université du Québec à Rimouski in Canada and the World Maritime University in Sweden.

Enclosed please find information on the CIDA Marine Scholarship Program, as well as the Master's Program in Marine Affairs (MAP) and the Marine and Environmental Law Program (MELP) at Dalhousie University. An application package for the MAP Program is also included.

Dalhousie University offers a **Master of Marine Management (MMM) Degree** and a **Master of Laws (LL.M) Degree**. The Master of Marine Management (MMM) Program is a 12-month, professional, non-thesis interdisciplinary program offering core classes in the marine issues, social sciences and management, as well as a choice of electives from approved marine, policy and law classes. Students in the Master of Marine and Environmental Laws (LL.M) Program may do research in marine and environmental law through coursework alone. The non-thesis coursework option is to be completed in eight months. The application deadline for the CIDA Marine Scholarship is **January 31** for the following academic year beginning in September. For further information on each Program, please consult the enclosed material. Refer to the pamphlet "CIDA Marine Scholarships Program" for the eligibility of applicants to the Scholarship Program.

Please note that to be considered for CIDA's Scholarship, applicants must fill out and submit to the University CIDA's 900 "Request for Training - CIDA Scholarship Program" Application Form, which is available on CIDA's website: <http://www.acdi-cida.gc.ca/forms.htm>.

We would appreciate if you could kindly pass on the information to any institutions or individuals who may be interested in the Program. For further information on the Marine Scholarship Program, please contact me at *the Agency Services and Canadian Relations Division, Canadian Partnership Branch, CIDA, at 200 Promenade du Portage, Gatineau, Quebec, K1A 0G4 Canada; Tel: (819) 997-4092; Fax: (819) 953-2845*. For detailed information on the academic Programs or to obtain more application packages, please contact the MAP or the MELP Program at Dalhousie University. **Please note the updated address of the MAP Program: Marine Affairs Program, Dalhousie University, 1376 LeMarchant St., Halifax, NS, Canada, B3H 3P9.** Completed applications should also be submitted to them directly. Thank you very much for your attention.

Yours truly,

Amy Tsoi

Development Officer, Scholarships and Awards

Canada



**Applying to the Master of Marine Management
2004-2005 Academic Year**

Thank you for your interest in the Master of Marine Management program. Please review the following before completing your application. *Incomplete applications will not be processed and reviewed by the Admissions Committee.*

Application materials

All application materials are also available on the Dalhousie University website (www.dal.ca) and the Marine Affairs Program website (www.dal.ca/~map). Please use the following table as a checklist to ensure that you have downloaded and filled out all the forms that are necessary for applying to the Master of Marine Management Program.

Application Addresses

Please ensure the proper information/forms go to the intended location. *To insure delivery, the Marine Affairs Program suggests that application materials be submitted by courier or registered mail.*

Send to:	Information/Form to Include	Checklist
Registrar's Office Dalhousie University Halifax, NS B3H 4H6 Canada	<ul style="list-style-type: none"> ▪ One copy of the Faculty of Graduate Studies Application Form (Part A) 	
	<ul style="list-style-type: none"> ▪ Application fee (CAN \$70.00 * <i>subject to change</i>) 	
Marine Affairs Program Dalhousie University 1376 LeMarchant Street Halifax, NS B3H 3P9 Canada <i>Questions about the application materials can be directed to the Administrator of the Marine Affairs Program</i>	<ul style="list-style-type: none"> ▪ 2 Copies of the Faculty of Graduate Studies Application Form (Part A) 	
	<ul style="list-style-type: none"> ▪ 2 copies of the Graduate Studies Supplementary Application form (Part B) 	
	<ul style="list-style-type: none"> ▪ Two (2) official university transcripts from ALL of the institutions you have attended (Note: official transcripts must come directly from your institution(s) to the Marine Affairs Program) 	
	<ul style="list-style-type: none"> ▪ Three (3) Confidential Reference Letters (in enclosed sealed and signed envelopes). At least 2 of the references should be academic 	
	<ul style="list-style-type: none"> ▪ Marine Affairs Supplemental Application Form (electronic version available at www.dal.ca/~map) 	
	<ul style="list-style-type: none"> ▪ Official English Language Competency score report if English is not your first language. See the <i>Faculty of Graduate Studies Application for Admission Guidelines</i> for more information 	
	<ul style="list-style-type: none"> ▪ Completed CIDA scholarship application (if applicable), with all sections completed as well as official signatures and all required documents 	
	<ul style="list-style-type: none"> ▪ Additional material you think would assist your application (CV, research interests, publications, etc.) 	

***** APPLICATION DEADLINES *****

For Scholarship Consideration January 31
(CIDA Marine Scholarship Program and Dalhousie Faculty of Graduate Studies)

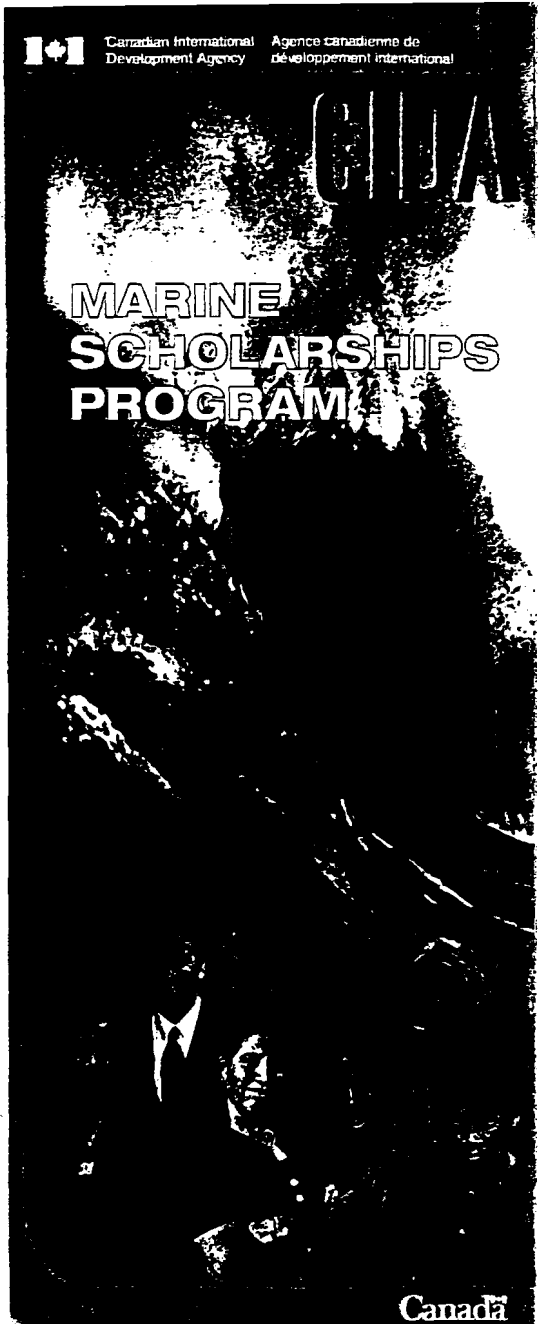
For all other applications February 28



Canadian International Development Agency / Agence canadienne de développement international

CIDA

MARINE SCHOLARSHIPS PROGRAM



Canada

Background

Canada is a key player in the fields of marine management and environmental protection, and therefore understands the needs of the developing world in these areas. International conventions and agreements require qualified personnel for their enforcement at the national level. This is particularly vital in the case of developing countries as their jurisdiction encompasses most of the world's oceanic regions.

The Canadian International Development Agency's (CIDA's) Marine Scholarships Program (MSP) awards approximately thirty scholarships per year for study in specific marine-related programs at Canada's Dalhousie University; and at Université du Québec à Rimouski; and at the World Maritime University, in Malmö, Sweden. Approximately 50 percent of these scholarships are reserved specifically for women.

Goal

The goal of the MSP is to enhance the knowledge, research skills, and perspectives of individuals from developing countries so they can develop and manage and develop marine-sector activities in their maritime exclusive economic zones.

Objectives

The objectives of the MSP are to:

- provide scholars from developing coastal and island states with the opportunity to pursue graduate education for the management of coastal zones, marine resources and ports;
- provide training for mid-career professionals, including administrators, policymakers, and managers in government, non-governmental and/or international organizations organizations, and business/industry who are involved with marine-related policy, program development, and operations; and
- increase the presence of women in the non-traditional field of marine affairs.

University Program Descriptions

Dalhousie University offers a Master of Marine Management (MMM) degree and a Master of Laws (LLM) degree in Marine and Environmental Law. The MMM degree is a 12-month, professional, non-thesis interdisciplinary program offering core classes in marine issues, social sciences, and management as well as a choice of electives from approved marine policy and law classes. The subject areas addressed include coastal-zone management, sea-use planning, fisheries management, marine law and policy, maritime transport, the development and conservation of living and non-living resources, the protection and preservation of the coastal and marine environment, coastal tourism, maritime enforcement, and conflict management. Students are required to complete a graduate project with an emphasis on planning, and to undertake a training internship at an agency relevant to their expertise and interests.

For more information about the MMM degree, contact: The Administrator, Marine Affairs Program, Dalhousie University, 1234 Seymour Street, Halifax, NS, B3H 3J5, Canada; telephone: (902) 494-3555; fax: (902) 494-1001; website: www.dal.ca/mmm and e-mail: marine.affairs@dal.ca

Dalhousie University also offers an LLM degree in the Marine and Environmental Law program through coursework alone. This non-thesis option is to be completed in eight months. Evaluation is through research papers and assignments. Dalhousie University offers more than a dozen courses in marine and environmental law, and has the largest curriculum in this field in Canada—one of the largest in the world.

The application deadline is January 31 for the following September, when the academic year begins.

For more information about the LLM degree, contact: The Graduate Secretary, Dalhousie Law School, 6061 University Avenue, Halifax, NS, B3H 4H9, Canada; telephone: (902) 494-1036; fax: (902) 494-1316; website: www.dal.ca/law and e-mail: sheila.wile@dal.ca

World Maritime University offers a Master of Science degree in Maritime Affairs. Students can specialize in one of five fields (maritime administration, maritime safety and environmental protection, maritime education and training, port management, or shipping management) and may take electives from outside their field of specialization. The length of the standard master's program is 17 months; but it is possible for students admitted with advanced standing to complete the degree in 9 months. The academic year at WMU begins in May each year. There is no formal deadline for applications, but candidates are encouraged to submit their applications by the end of August in the preceding year. The program is complemented by a range of short professional development courses designed for practitioners in the industry.

For more information, contact: The Academic Registry, World Maritime University, Citadellsvägen 29, P.O. Box 500, S-201 24 Malmö, Sweden; telephone: (46 40) 35 63 00; fax: (46 40) 12 84 42; website: www.wmu.se and e-mail: info@wmu.se

Université du Québec à Rimouski (UQAR) offers a program in maritime resources management. The goal of this program is to train mid-career professionals and managers in order for them to contribute to decision-making in the maritime sector and its activities. UQAR offers two degrees: a Diplôme d'études supérieures spécialisées without a research paper in 12 months and masters with a research paper in 16 months. **Note that this program is only offered in French.**

For more information, contact: Programme gestion des ressources maritimes, Université du Québec à Rimouski, 300 allée des Ursulines, Rimouski, QC, G5L 3A1, Canada; telephone: (418) 724-1544; fax: (418) 724-1525; website: www.uqar.qc.ca and e-mail: grm@uqar.qc.ca

Eligibility Conditions

General conditions of eligibility:

- Applicants must be qualified men or women currently working in a marine- or ocean-related sector and be citizens of a coastal country eligible for Canadian Official Development Assistance.



DALHOUSIE
University

Marine Affairs Program
1376 LeMarchant Street
Halifax, Nova Scotia
Canada B3H 3P9
Tel: (902) 494 3555; Fax: (902) 494 1001
E-mail: Marine.Affairs@Dal.Ca
www.dal.ca/~map

Tel: (902) 494 3555; Fax: (902) 494 1001
E-mail: Marine.Affairs@Dal.Ca

www.dal.ca/~map

Master of Marine Management Supplemental Application Form

2010/1-2010/5

This form is 4 pages long with 7 sections to complete. Please answer ALL questions to ensure no delays in assessing your application. Feel free to answer the questions on separate sheets (computer printout or typewritten please). The form is also available electronically at www.dal.ca/~map.

Section 1: GENERAL INFORMATION

Surname: _____ Given Name(s): _____

Address: _____

Telephone: (work) _____ (home) _____

Fax: _____

E-Mail: _____

(If more than one email address, please indicate the email address that you check most frequently)

SECTION 2: AREA OF INTEREST (Please select one)

- | | |
|---------------------------------|-----------|
| Integrated Coastal Management | [] |
| Marine Environmental Management | [] |
| Marine Law and Policy | [] |
| Fisheries Policy and Management | [] |
| Maritime Transport Management | [] |
| Other (please identify) | [] _____ |

Section 3: CURRENT AND PREVIOUS EMPLOYMENT

Current Employment:

Position: _____

Organization: _____

Address: _____

Telephone: _____ Fax: _____

E-Mail: _____

Responsibilities: _____

Previous Employment:

Please indicate other interdisciplinary work experience and/or responsibilities related to marine affairs which you have fulfilled (feel free to use separate sheets if necessary).

Section 4: EDUCATION AND TRAINING

Describe past marine related education and training you have participated in, with emphasis on specific achievements, publications, commissions, grants, etc. you received (feel free to use separate sheets if necessary).

Section 5: OTHER MARINE RELATED ACTIVITIES

Describe any other marine related activities or responsibilities you have had, for example working with non-governmental organizations, community-based organizations, etc. (feel free to use separate sheets if necessary).

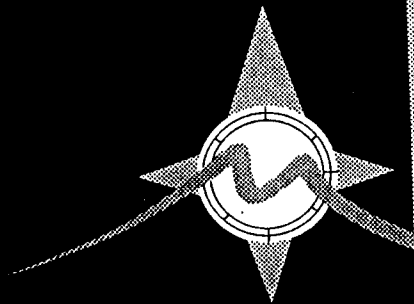
Section 6: Marine Affairs at Dalhousie University

In order to assist us with our ongoing planning and promotional efforts, we would appreciate knowing how you came to learn about the Marine Affairs Program at Dalhousie University. If possible, we would like the information to be as specific as you can provide. Thank you for your help.

Section 7: STATEMENT OF OBJECTIVES

Provide a statement (use ONE extra sheet if necessary) about the marine management problem(s) in which you are most interested or knowledgeable. Outline the particular aspect(s) of that problem that might be beneficial for you to address during your tenure in the MMM program. Specify how addressing the problem(s), in light of what you expect to learn during your tenure, will enhance your knowledge and advance your career objectives. Be concise and deal with tangible issues (ie. demonstrate careful thinking). **CONSIDERABLE WEIGHT IS PLACED UPON THIS SECTION OF YOUR APPLICATION.**

MASTER OF MARINE MANAGEMENT



Marine Affairs Program



DALHOUSIE
University™

Marine Affairs Program
1376 LeMarchant Street
Halifax, Nova Scotia
CANADA B3H 3P9

Tel: 902.494.3555
Fax: 902.494.1001
Marine.Affairs@Dal.Ca
<http://www.dal.ca/~map>

MASTER OF MARINE MANAGEMENT

The **Master of Marine Management (MMM)** degree is a one-year, professional, non-thesis and interdisciplinary graduate program offering four required (core) classes in the **marine, social, management and political sciences** and a choice of more than 65 elective courses offered by the major graduate faculties and professional schools.

The subject areas addressed include but are not limited to:

- ☞ *Coastal zone management*
- ☞ *Sea use planning and Ocean governance*
- ☞ *Fisheries management*
- ☞ *Marine law and policy*
- ☞ *Development & conservation of living and non-living resources*
- ☞ *Maritime transport policy & administration*
- ☞ *Coastal tourism & economics*
- ☞ *Protection & preservation of the coastal and marine environments and their biodiversity*
- ☞ *Maritime enforcement and conflict management*

Students are required to complete a graduate project (1 full credit) with an emphasis on planning, and to undertake a training internship at an agency relevant to their expertise and interests.

The MMM is well suited to mid-career professionals and those holding a first degree and experience in a relevant discipline when entering the program. The overarching emphasis of the program is on the solution of marine management problems by trans-disciplinary synthesis. Integration through teamwork in research and planning is the primary *modus operandi* of the Marine Affairs Program. The student body, (approximately 20 per annum) comprises a remarkable diversity of professionals and recent graduates from many backgrounds and disciplines. The MMM alumni exceeds 220 from more than 40 nations.

The MMM graduate is equipped with the knowledge, skills and attitude required to function as an "Honest Broker" in the complex arena of marine management. More than 80% of our graduates are employed in their chosen field, holding positions ranging from fisheries officers to senior policy advisors, community development workers to naval commanders. The Marine Affairs Program is linked through the Faculty of Graduate Studies to the Interdisciplinary PhD Program. Several students have completed or are undertaking research and training in marine affairs at this level.

☞ *The curriculum of the Marine Affairs Program is constantly evolving to keep up with current trends in marine management. Details in this brochure will be changed for the 2004-2005 academic year, and will be updated on the MAP webpage at www.dal.ca/~map when they become available.* ☞

DALHOUSIE UNIVERSITY

Dalhousie is the premier university in Atlantic Canada and has achieved an international reputation in professional and graduate education. The University was founded in 1818. Its campus covers 25 hectares in a residential area of Halifax, within easy walking distance of natural parkland and the ocean. Dalhousie's community includes over 15,000 students, more than 3,000 of them involved in graduate studies. Students are drawn from across Canada and from over 60 countries world-wide. Its faculty includes many internationally renowned researchers and award-winning scholars.

The Marine Affairs Program (MAP) has its own student facilities that include a specialized library of marine topics, a dedicated computer laboratory, a large meeting room and a lounge.

MASTER OF MARINE MANAGEMENT

The **Master of Marine Management (MMM)** degree is a one-year, professional, non-thesis and interdisciplinary graduate program offering four required (core) classes in the **marine, social, management and political sciences** and a choice of more than 65 elective courses offered by the major graduate faculties and professional schools.

The subject areas addressed include but are not limited to:

- ☞ Coastal zone management
- ☞ Sea use planning and Ocean governance
- ☞ Fisheries management
- ☞ Marine law and policy
- ☞ Development & conservation of living and non-living resources
- ☞ Maritime transport policy & administration
- ☞ Coastal tourism & economics
- ☞ Protection & preservation of the coastal and marine environments and their biodiversity
- ☞ Maritime enforcement and conflict management

Students are required to complete a graduate project (1 full credit) with an emphasis on planning, and to undertake a training internship at an agency relevant to their expertise and interests.

The MMM is well suited to mid-career professionals and those holding a first degree and experience in a relevant discipline when entering the program. The overarching emphasis of the program is on the solution of marine management problems by trans-disciplinary synthesis. Integration through teamwork in research and planning is the primary *modus operandi* of the Marine Affairs Program. The student body, (approximately 20 per annum) comprises a remarkable diversity of professionals and recent graduates from many backgrounds and disciplines. The MMM alumni exceeds 220 from more than 40 nations.

The MMM graduate is equipped with the knowledge, skills and attitude required to function as an "Honest Broker" in the complex arena of marine management. More than 80% of our graduates are employed in their chosen field, holding positions ranging from fisheries officers to senior policy advisors, community development workers to naval commanders. The Marine Affairs Program is linked through the Faculty of Graduate Studies to the Interdisciplinary PhD Program. Several students have completed or are undertaking research and training in marine affairs at this level.

☞ *The curriculum of the Marine Affairs Program is constantly evolving to keep up with current trends in marine management. Details in this brochure will be changed for the 2004-2005 academic year, and will be updated on the MAP webpage at www.dal.ca/~map when they become available.* ☞

DALHOUSIE UNIVERSITY

Dalhousie is the premier university in Atlantic Canada and has achieved an international reputation in professional and graduate education. The University was founded in 1818. Its campus covers 25 hectares in a residential area of Halifax, within easy walking distance of natural parkland and the ocean. Dalhousie's community includes over 15,000 students, more than 3,000 of them involved in graduate studies. Students are drawn from across Canada and from over 60 countries world-wide. Its faculty includes many internationally renowned researchers and award-winning scholars.

The Marine Affairs Program (MAP) has its own student facilities that include a specialized library of marine topics, a dedicated computer laboratory, a large meeting room and a lounge.

☞ CORE COURSES

Four core courses totalling 3 credits are required for the Master of Marine Management degree. The remaining 2 credits are obtained through various elective classes. Some core classes require pre-requisite courses in the natural or social sciences, which comprise ancillary or mandatory electives.

Contemporary Issues in Ocean Development and Management

MARA 5001.06 (1 credit)

This class is offered in two parts. Part 1 (Fall Term) provides an introduction to the field of marine affairs, with a focus on integrated approaches to coastal and ocean management. Special attention is given to conflict management in governance, and to the drafting and implementation of ocean law, policy and sea use planning in an era of sustainable development. Part 2 (Winter Term) is problem and issue-oriented; addressing fisheries management, aquaculture, maritime transport, use of non-living resources, protection of the coastal and marine environments and coastal tourism. The class employs interactive teaching techniques with considerable group work. Instructors for the various subjects come from Halifax universities, federal and provincial government agencies and the private sector. Students lacking social science are required to take a suitable elective course during the fall term.

Graduate Research Project

MARA 5002.06 (1 credit)

Students are required to apply the knowledge and skills gained through course work to a specific planning and management issue or problem of interest to them. The project contains both a written and a practical component. The written portion is completed under the supervision of an appropriate academic advisor. The practical component is an internship period with a local public or private sector agency with relevance to the project topic or vocation.

Science-based Management

MARA 5003.03 (½ credit)

January to April

This course integrates marine science and technology into the process of marine management. Ten areas of general interest will be used to introduce relevant principles of marine science and useful technologies centred on specific issues. Topics include: air-sea interaction and attendant global warming concerns; the Exclusive Economic Zone or 200 mile limit; water

quality; shorelines; estuaries; fisheries; coral reefs; coastal wetlands; harmful algae blooms; and marine biodiversity. Lecture and discussions will be led on the first five topics by a physical scientist, while the second five will be led by a biological scientist. Students lacking a natural science background are required to take an ancillary course (Introductory Oceanography) spanning the fall and winter terms.

Management Practices

MARA 5004.03 (½ credit)

This course develops the knowledge and skills marine managers need to work effectively with decision-makers and various stakeholders in ocean development and management. These include politicians, public servants, special interest groups, the media, businesses, and the public at large. Practices include decision support tools, risk analysis, project management, and the handling of information flow and communications (including crisis management).

☞ ELECTIVE COURSES

Students select the remaining complement of courses (2 credits) from electives in the marine fields from the Marine Affairs Program, other departments at Dalhousie, and from other universities in the Halifax area. **Please note that not all classes are offered each year; students must check the current University timetables.** Brief summaries of the Marine Affairs Program electives follow.

Independent Readings / Special Topics

MARA 5005.03 (½ credit)

This course is an option for MMM students who wish to pursue independent, literature-based research into a specific topic not covered in another class. The topic and area of research must be approved by the MAP Director and the research supervisor.

Integrated Maritime Enforcement

MARA 5008.03 (½ credit)

The aim of this course is to sensitize students to the complexities of maritime enforcement within a coastal and ocean management framework by building an understanding of the roles of maritime enforcement in integrated planning and management. In doing so, students are introduced to concepts, tools, techniques and procedures of enforcement.

Community-Based Co-Management
MARA 5012.03 (½ credit)

This seminar course critically examines the extent to which community-based co-management provides a viable approach to marine resource management in terms of its costs and benefits, opportunities for and barriers to its implementation, and conditions necessary for its long-term survival as a practical management tool. The seminar format gives students the opportunity to link critical thinking with writing and other means of communicating ideas including small group discussion and presentations. In the absence of a text, a collection of readings highlight the importance of coastal communities becoming empowered by actively managing their resources. Case studies are used to facilitate students in applying theoretical concepts to empirical examples. Assignments include an annotated bibliography, class presentation and a final research paper.

Marine Protected Areas
MARA 5013.03 (½ credit)

The creation of refugia from human exploitation in the marine environment for the purposes of conservation and sustainable resource usage is a fast-growing application of ecological theory and ecosystem-based management. The holistic approach marries ecological research, fisheries science, park management and social policy. Criteria and information requirements for the selection, establishment and adaptive management of MPAs are evolving on many fronts. Professionals in marine affairs need to be aware of the state of the art in MPA theory and practice. That is the goal of this course.

Integrated Ocean and Coastal Planning
MARA 5014.03 (½ credit)

This studio-based course introduces spatial planning of coasts and oceans. It integrates environmental design, planning, policy, and management. Tools and processes for professional fieldwork, analysis and synthesis are emphasized. Students gain practical experience of theory, practice, and professional aspects of coastal planning by drafting plans and proposals for action.

Maritime Transportation Policy and Administration
MARA 5015.03 (½ credit)

Dramatic changes are occurring in world shipping and maritime commerce, driven by globalization trends, rapid advances in technology, significant increases in

security concerns, and new threats to the environment. Each of these considerations triggers important policy issues. The aim of this course is to provide a comprehensive overview of marine transportation and how it is adapting to these changes. Special emphasis is placed on the policy role of government, as well as its role in the generation of supporting legislation, the development and delivery of regulatory programs, the provision of public marine support services, and associated planning and governance considerations.

Electives from other units

The following is a list of the electives from other departments at Dalhousie and Saint Mary's University. Detailed course descriptions are available on the relevant websites (<http://www.registrar.dal.ca/calendar/grad/>) and (<http://www.stmarys.ca>).

BIOLOGY

BIOL 5060.03	<i>Environmental Ecology</i>
BIOL 5065.03	<i>Sustainability and Global Change</i>
BIOL 5160.03	<i>Political Ecology</i>
BIOL 5261.03	<i>Communities and Ecosystems</i>
BIOL 5600.03	<i>Invert. Fisheries and Aquaculture</i>
BIOL 5651.03	<i>Marine Mammalogy</i>

BUSINESS ADMINISTRATION

BUSI 6408.03	<i>Transportation and Management</i>
BUSI 6813.03	<i>Management and the Natural Environment: An International Perspective</i>

CIVIL ENGINEERING

CIVL 6115.03	<i>Design of Water Treatment Plants</i>
CIVL 6116.03	<i>Biological Water Treatment</i>
CIVL 6117.03	<i>Water Quality Management</i>

EARTH SCIENCES

ERTH 5520.03	<i>GIS Applications to Environmental and Geological Sciences</i>
ERTH 5600.03	<i>Geographic Information Systems</i>

ECONOMICS

ECON 5250.06	<i>Applied Development Economics</i>
ECON 5252.03	<i>From Disaster Relief to Sustainable Development</i>
ECON 5517.03	<i>Resource and Environmental Economics</i>
ECO 361.1(2)	<i>Fisheries Economics (S.M.U.)</i>

ENVIRONMENTAL STUDIES

ENVI 5001.03	<i>Environmental Assessment</i>
ENVI 5004.03	<i>Management of Chemicals and Waste</i>
ENVI 5006.03	<i>Environmental Toxicology</i>
ENVI 5008.03	<i>Nature Conservation</i>
ENVI 5021.03	<i>Fisheries Management</i>
ENVI 5030.03	<i>Managing for Sustainable Development</i>
ENVI 5031.03	<i>Environmental/Ecological Economics</i>
ENVI 5038.03	<i>Public Involvement in Resource Management</i>
ENVI 5039.03	<i>Indigenous People and Natural Resources Issues</i>
ENVI 5041.03	<i>Environmental Education</i>
ENVI 5044.03	<i>Industrial Ecology</i>
ENVI 5047.03	<i>Protected Areas Management</i>
ENVI 5205.03	<i>Resource and Environmental Law</i>

FOOD SCIENCE TECHNOLOGY

FOSC 6324.03	<i>Fish/Food Processing I</i>
FOSC 6325.03	<i>Fish/Food Processing II</i>

GEOGRAPHY (SAINT MARY'S UNIVERSITY)

GPY 604.1(.2)	<i>Environmental Management</i>
GPY 613.1(.2)	<i>Coastal Geomorphology</i>
GPY 614.1(.2)	<i>Integrated Coastal Zone Management</i>
GPY 624.1(.2)	<i>Ocean Use and Management</i>
GPY 674.1(.2)	<i>Geography of Ports</i>
GPY 686.1(.2)	<i>Concepts in GIS</i>

INTERDISCIPLINARY ENGINEERING STUDIES

IDIS 6031.03	<i>Energy and the Environment</i>
IDIS 6032.03	<i>Limnology</i>

LAW

LAWS 2001.03	<i>Maritime Law and Practice</i>
LAWS 2012.03	<i>International Law</i>
LAWS 2015.03	<i>Land Use Planning</i>
LAWS 2020.02	<i>Fisheries Law</i>
LAWS 2022.03	<i>Law of the Sea</i>
LAWS 2051.03	<i>International Environmental Law</i>

Law (cont'd)

LAWS 2068.03	<i>Ocean Law and Policy</i>
LAWS 2079.02	<i>Oil and Gas Law</i>
LAWS 2104.03	<i>Environmental Law I</i>
LAWS 2120.03	<i>Aboriginal Peoples</i>
LAWS 2133.03	<i>Environmental Law II</i>
LAWS 2153.03	<i>Business and Environment</i>

OCEANOGRAPHY

OCEA 5120.03	<i>Introduction to Physical Oceanography</i>
OCEA 5140.03	<i>Introduction to Biological Oceanography</i>
OCEA 5160.03	<i>Fisheries Oceanography</i>
OCEA 5221.03	<i>Ocean Dynamics</i>
OCEA 5222.03	<i>Estuary, Coast and Shelf Dynamics</i>
OCEA 5335.03	<i>Environmental Impacts in Marine Ecosystems</i>

POLITICAL SCIENCE

POLI 5220.03	<i>Intergovernmental Relations in Canada</i>
POLI 5581.03	<i>Diplomacy and Negotiation</i>
POLI 5585.03	<i>Politics of the Environment</i>

PUBLIC ADMINISTRATION

PUAD 5125.03	<i>Introduction to Policy Analysis</i>
PUAD 6500.03	<i>Business and Government</i>
PUAD 6537.03	<i>Environmental Policy</i>

SCHOOL OF SOCIAL WORK

SLWK 6365.03	<i>Community Socio-Economic Development</i>
SLWK 6385.03	<i>Community and Social Change Analysis</i>

SOCIOLOGY AND SOCIAL ANTHROPOLOGY

SOSA 5001.03	<i>Survey Methods</i>
SOSA 5004.03	<i>Advanced Issues in Work and Industry</i>
SOSA 5005.03	<i>Advanced Issues in Social Injustice and Social Inequality</i>
SOSA 5007.03	<i>Tourism and Development</i>

FINANCIAL ASSISTANCE

☞ CIDA SCHOLARSHIPS

The Canadian International Development Agency (CIDA), through the Marine Scholarship Program, makes available to residents of CIDA nominated countries a limited number of scholarships for the Master of Marine Management degree at Dalhousie University on a competitive basis. Criteria for application include the following:

- applicants must reside in their country of origin at time of application
- persons who have applied to immigrate to Canada or who are permanent residents are ineligible for this scholarship program
- applicants must have relevant tertiary education and experience in the marine field, and must meet the admission requirements of the Faculty of Graduate Studies
- CIDA scholarship applications for the MMM degree must be approved and submitted by the employer and the government of the applicant

CIDA scholarship application forms are available from the Marine Affairs Program. Applicants for CIDA funding are still required to submit a completed Dalhousie application form and relevant materials to Dalhousie University. Applications for funding are to be submitted together with the Dalhousie application form. To facilitate processing of scholarship applications, Dalhousie University accepts applications faxed by governments provided that the original is posted to Dalhousie simultaneously.

Applicants should note that the deadline for receipt of applications is **January 31**.

☞ MARINE AFFAIRS PROGRAM / FACULTY OF GRADUATE STUDIES SCHOLARSHIPS

A limited number of scholarships are available for MMM students. Qualified students will be automatically considered upon completion of the application for admission to Dalhousie University. Students wishing to be considered for the scholarships must apply by **January 31**.

☞ THE DOUGLAS M. JOHNSTON – MASC SCHOLARSHIP IN MARINE AFFAIRS

This is an annual scholarship in the amount of \$5,000 established by the Maritime Awards Society of Canada (MASC), through the generosity of Professor Douglas M. Johnston, for a Canadian citizen to pursue the MMM degree. Qualified applicants to the MMM are automatically considered for this scholarship upon receipt of their application.

The criteria for conferment of the scholarship include the following: applicants must be Canadian citizens; they must demonstrate superior academic records; and they may undergo a financial needs assessment.

☞ GOLD AWARD

The award is named in honour of Dr. Edgar Gold, CM, QC, one of the founders of the Dalhousie Ocean Studies Programme. An annual financial award is presented to the most deserving MMM graduate at the end of each academic year in October. The candidate is identified within the annual peer group of MMM graduates according to academic performance and overall ability to reflect the ideal graduate as the "honest broker" - i.e. one who is mindful of the complementary and competing multi- and inter-disciplinary interests that influence the design, implementation, and outcome of the management process in marine affairs. Students must have met all requirements to graduate by September 1 of each year in order to be eligible for award consideration.

DIRECTOR

Dr. Bruce G. Hatcher, PhD
Tel: (902) 494-6530
E-mail: BHatcher@Dal.Ca

ADMINISTRATOR

Ms. Becky Field, BSc (Dal)
Tel: (902) 494-3555; Fax: (902) 494-1001
E-mail: Marine.Affairs@Dal.Ca

FACULTY

- R. Apostle, BA, MA, PhD (Univ. Calif, Berkeley). Sociology and Social Anthropology
- F.N. Baitel, BSc, DEA, PhD. Research Associate, International Oceans Institute
- M. Binkley, BA, MA PhD (Toronto). Sociology and Social Anthropology
- M. Brooks, BOT, MBA, PhD (Wales). Business Administration
- M.J.A. Butler, BSc, MSc (MUN). Research Associate, Atlantic Coastal Zone Information Steering Committee
- E. Cavanagh, BSc, BArch, PhD (Lehigh). Architecture
- A. Charles, BScH, PhD (UBC). Finance and Management Science, St. Mary's University
- A. Chricop, LLD, LLM, JSD (Dal, Law)
- R. Côté, BSc, MSc (MUN). School for Resource and Environmental Studies
- A. Dwire, BA, MA (Dal). Sociology and Social Anthropology
- A. Evans, BSc (Dal), Architecture & Planning
- L.M. Fanning, BSc, PhD (Dalhousie). Marine Affairs Program
- R. Fournier, MSc, PhD (URI). Oceanography
- E. Gold, C.M BA, LLB (Dal), PhD (Wales), MCIT, FNI, MCI Arb, Master Marinier (FG). Adjunct Professor
- K.R. Gustavson, BSc, MSc, PhD (UBC). Adjunct Professor, Jacques Whitford Environment Ltd.
- B.G. Hatcher, BSc, MSc, PhD (Sydney). Biology and Marine Affairs Program
- J.R. Hodgson, BSc, MSc (London), MCIT. Marine Affairs Program
- O. Hertzman, BA, BSc, MSc, PhD (Washington). Adjunct Professor, University of British Columbia
- L. Hildebrand, BScH, MES (Dalhousie). Adjunct Professor, Environment Canada
- H. Kindred, LLB (Bristol), LLM (London), LLM (Illinois). Law
- P.A. Lane, MSc, PhD (SUNY Albany). Biology
- D.P. MacLellan, BA (Dal), APR. Lecturer, Marine Affairs Program
- R.A. Myers, BSc, MSc, PhD (Dal). Biology
- R.I. McAllister, MA, MA (Cantab). Economics
- R. McCalla, BA, PhD (Hull). Geography, St. Mary's University
- M.L. McConnell, BA, LLB, PhD (Sydney). Law
- E. Meltzer, BA, LLB, LLM (Wash). Adjunct Professor, Dept. Fisheries & Oceans
- G.F. Newkirk, BSc, PhD (Duke). Biology, Marine Affairs Program and Lester Pearson International
- M. Rudd, BSc, MSc, PhD (Wageningen). Adjunct Professor, Dept. Fisheries & Oceans
- C. Taggart, BSc, MSc, PhD (McGill). Oceanography
- D. VanderZwaag, BA, MDiv, JD, LLM (Dal). Law
- P.G. Wells, BSc, MSc, PhD (Guelph). Adjunct Professor, Environment Canada
- H. Williamson, BSc, BEd, LLB, MBA (Dal). Adjunct Professor, Marine Affairs Program
- J.H.M. Willison, BSc, PhD (Nottingham). Biology, School for Resource and Environmental Studies
- H. Wang, LLM, MSc, JSD (China). Post-doctoral Fellow, Marine Affairs Program

Marine Affairs Program
Dalhousie University
1376 LeMarchant Street
Halifax, Nova Scotia
Canada, B3H 3P9
www.dal.ca/~map/index.htm

September 2003

**Instructions for completing the CIDA Marine Scholarship Program (MSP)
Request for Training CIDA Scholarship Program application form**

Applicants must be currently working in a marine or ocean-related sector and the proposed area of study must be directly applicable to the applicant's professional work.

Please fill in the form completely (ALL 4 PAGES), providing all information as requested. Note the following important requirements:

1. **Section 1** - Include your current email address in this section. Also include the email address in the "People to Contact" if applicable.
2. **Section 2** - Insure that your scholastic record matches the information that you have given on the Dalhousie Application forms
3. **Section 4** - It is not necessary to provide additional reference letters for the CIDA application. The three reference letters for your Dalhousie application are sufficient. Include the names of the references in this section.
4. **Section 5** - All documents that are required by CIDA must be original or certified copies. Photocopies that are not certified by a Notary Public will not be accepted.
5. **Section 7** - Must be authorized by your employer. Proper authorization includes an original signature, name and title of the official and the original government department or company seal or stamp. Along with the signature of the official, the official's name should be printed above the signature.
6. **Section 8** - Must be authorized by the appropriate government representative. In some cases this may be the same organization as Section 7. Please ensure that the person has the authority to sign on behalf of the government. Proper authorization includes an original signature, name and title of official and the original seal or stamp of the government department. Again, the official's name should be printed above the signature.
7. **Section 9** - it is not necessary to send to the Canadian Diplomatic Mission.
8. **Section 10** - the completed application form and accompanying required documents are to be submitted to the Marine Affairs Program at Dalhousie University along with the application forms required by the Marine Affairs Program for application to the Master of Marine Management (see "Applying to the Master of Marine Management 2003-2004 Academic Year" checklist). *To insure delivery, the Marine Affairs Program suggests that application materials be submitted by courier or registered mail.*
9. **REQUIRED** - Letter from Employer - Please provide a one-page letter (on official letterhead) from your employer to indicate support of your scholarship nomination. The letter must describe the benefits of your graduate training to your organization and verify that you will be able to return to your employment at the completion of your studies. The letter must confirm that the MMM degree will enable you to contribute to capacity building in marine management in your country. The letter must be signed and the name and title of the signatory must be provided.

NOTE: Your application will not be considered for the CIDA Marine Scholarship Program if you do not complete all the sections of the form and submit the required documents.

Other considerations:

- Applicants must have relevant tertiary education and experience in a marine- or ocean-related sector and must meet the admission requirements of the Faculty of Graduate Studies of Dalhousie University
- Applicants must reside in their country of origin at the time of application
- Applicants must make a contractual commitment with CIDA to return to their country of origin upon completion of their degree program to contribute towards the development of their country.
- Applicants who have applied for immigrant status in Canada or who are permanent residents are ineligible for the CIDA MSP award



REQUEST FOR TRAINING CIDA SCHOLARSHIP PROGRAM

Candidates must complete parts 1 to 6 of this form and send it to the ministry or organization in their country that is responsible for the nomination. That ministry or organization completes part 7 and forwards the form to the government representative for approval (part 8).

Also available at
www.acdi-cida.gc.ca/forms.htm

To be completed by candidate

1 GENERAL INFORMATION 1

Family name		Given names							
Citizenship	Date of birth			Sex		Marital status		No. of dependent children	
	YYYY	MM	DD	<input type="checkbox"/> M	<input type="checkbox"/> F				

Permanent address

Telephone no. ▶

NAMES AND ADDRESSES OF PEOPLE TO CONTACT IN CASE OF EMERGENCY

Tel.	Tel.	Tel.

LANGUAGE KNOWLEDGE

Language	Oral comprehension			Reading			Writing		
	good	fair	basic	good	fair	basic	good	fair	basic
French									
English									

2 ACADEMIC RECORD 2

CURRENT STUDIES (If applicable)

Name of institution				Location									
Diploma sought		No. of years of study necessary to obtain it ▶				Subject or specialty							
		YYYY		MM		DD		YYYY		MM		DD	
Commencement date of these studies				Receipt of diploma anticipated on									

LAST DIPLOMA RECEIVED

Name of institution				Location									
Diploma title		No. of years of study necessary to obtain it ▶				Subject or specialty							
		YYYY		MM		DD		YYYY		MM		DD	
Commencement date of these studies				Date diploma received									

PREVIOUS STUDIES

Name of institution				Location									
Diploma title		No. of years of study necessary to obtain it ▶				Subject or specialty							
		YYYY		MM		DD		YYYY		MM		DD	
Commencement date of these studies				Date diploma received									

How many years has it been since you were last a student (if applicable)? ▶

ACADEMIC RESULTS

Average grades obtained for the last three years of FULL-TIME study

Level	Year	Mark out of 20	Standing within the group
	-	/20	/
	-	/20	/
	-	/20	/

PRACTICAL ATTACHMENTS (if applicable)

Name of institution	Location	Duration
---------------------	----------	----------

Goal of practical attachment

Name of institution	Location	Duration
---------------------	----------	----------

Goal of practical attachment

3 WORK EXPERIENCE 3

Total number of years worked FULL-TIME ▶

Function	Start - Finish	Name of employer
Present employment	YYYY MM - YYYY MM	
Previous employment	YYYY MM - YYYY MM	
	YYYY MM - YYYY MM	

Relationship between work experience and desired training .

4 STUDY PROJECT FOR WHICH FELLOWSHIP IS REQUESTED 4

Subject or specialty Level (university) ▶ bachelor's master's doctoral

State the purpose for which you wish to acquire these qualifications

State what your employment will be upon return to your country

LETTERS OF RECOMMENDATION / ATTACHED

Name of person signing letter	Title or function

RESEARCH PROJECT

If you are requesting fellowship for studies at the master's or doctoral level you must write an essay of 400 to 500 words describing the research project that will constitute the subject of your dissertation or thesis.

- In this essay, include:**
- the relationship between the subject and your past work experience (dissertation, thesis, research);
 - the nature of the problem or question you plan to address;
 - your proposed methodology;
 - the relationship between this research and your future career plans.

IMPORTANT Any document written in a language other than French or English must be accompanied by a French or English translation.

1. A certified copy of birth certificate or an affidavit stating the place and date of birth.
2. Certified copy of proof of citizenship.
3. Certified copies of transcripts from secondary school (last 3 years) AND from university (each year).
4. Certified copies of secondary school and university diplomas.
5. Letters of recommendation from three members of the academic community (school or university) who can attest to your ability to successfully complete the proposed studies. A sample letter is attached.
6. A 400 to 500 word essay about your research project (master's or doctoral level).
7. A brief curriculum vitae.

If my application is accepted, I undertake:

- to carry out such instructions and abide by such conditions as may be stipulated by my government or the Government of Canada in respect of my training agreement;
- to follow the training program to the best of my abilities and to abide by the rules of the university or institution in which I undertake training and to respect the laws of Canada;
- to undertake any language training which may be required in relation to my training program;
- to refrain from engaging in political activities or any form of employment for profit or gain;
- to submit any progress reports that may be requested;
- to leave Canada at the end of my training program, or before its completion if I fail to achieve satisfactory grades or if I fail to progress through the program at a pace that would allow completion in the time allotted for it by the university, and report to my sponsor immediately;
- not to apply to Citizenship and Immigration Canada for authorization to remain in Canada for any purpose other than to participate in the program hereunder.

I understand that failure to comply with any of the foregoing undertaking may result in the cancellation of the award and/or its entire repayment to the Government of Canada.

I also authorize:

- Citizenship and Immigration Canada to advise the Canadian International Development Agency of any change to my status in Canada;
- the university I will be attending to provide the Canadian International Development Agency or its representative with transcripts of my marks.

I understand that the award does not include, nor is it adequate to provide, financial support for any of my dependents.

Moreover, I understand that if I return to Canada as a permanent resident before a time at least equal to the double of the amount of time spent in Canada during the tenure of the financial assistance, repayment to the Government of Canada of the entire financial assistance may be required.

Date

Signature of candidate

Please send completed and signed request form to the ministry or organization in your country that is responsible for the nomination.

To be completed by the authorized official of the nominating ministry or organization.

7

CERTIFICATION

7

Once the request has been signed, please forward it to the government representative.

I certify that:

- I have examined the transcripts and diplomas submitted by the candidate in support of statements in part 2 of this request and I am satisfied that they are authentic and belong to the candidate;
- the candidate has sufficient knowledge of spoken and written French or English to enable him/her to take the program requested;
- the candidate's statements are correct.

_____ Date

_____ Signature of authorized official

To be completed by the government representative

8

APPROVAL

8

Once this training request has been approved, please forward it, along with the candidate's file, to the Canadian diplomatic mission nearest you or to the return address indicated below.

On behalf of the Government of _____,

I approve the nomination of _____

to the CIDA Scholarship Program.

_____ Date

_____ Signature of government representative

To be completed by the Canadian diplomatic mission

9

RETURN ADDRESS — CANADIAN DIPLOMATIC MISSION

9

Name and address

10

SEND CANDIDATE FILE TO

10

CIDA

Executing agency

Canadian university

Name and address