MASTER OF ARTS GLOBALIZATION AND INTERNATIONAL DEVELOPMENT SPECIALIZATION IN ENVIRONMENTAL SUSTAINABILITY

The School of International Development and Global Studies (SIDGS) offers interdisciplinary programs leading to a Master of Arts (MA) in Globalization and International Development and a Doctor of Philosophy (PhD) in International Development.

The master’s program is offered in collaboration with the Faculty of Arts, the Faculty of Law (common law and civil law), and the Faculty of Social Sciences and includes a co-op option.

The program draws on the expertise of professors in economics, geography, history, law, political science, religious studies, sociology and anthropology and it benefits from the strength of numerous advanced research institutes and centres. Students are provided with the training needed to address complex, multifaceted problems that may simultaneously encompass economic, political, social, cultural, religious, legal, ethical and environmental elements. The program is administered by a program committee, composed of representatives from the participating academic units and chaired by the program director.

The core courses of the program are offered each year in both English and French. The elective courses may be offered in either language; students are advised to check with the academic unit offering the course.

The Department offers a collaborative program in Women’s Studies (at the MA level) and in Environmental Sustainability (at the MA level). For more information on this program, see “Admission Requirements”.

The guiding objective of the collaborative program in Environmental Sustainability is to provide graduate students with the knowledge and skills needed to identify and analyze the economic, legal, policy and scientific dimensions of environmental problems, and to employ an evidence-based approach to develop rational policy options for addressing those problems.

The programs are governed by the general regulations (http://www.grad.uottawa.ca/Default.aspx?tabid=1807) in effect for graduate studies.

Admission Requirements

For the most accurate and up to date information on application deadlines, language tests and other admission requirements, please visit the specific requirements (http://www.uottawa.ca/graduate-studies/programs-admission/apply/specific-requirements) webpage.

To be considered for direct admission, candidates must hold:

1. An honour’s bachelor’s degree in international development and globalization or a related field (e.g., international studies and modern languages, environmental studies, religious studies, economics, geography, history, sociology, political science).

OR

2. An undergraduate law degree (LLB/LLL or equivalent).

An overall undergraduate average of 75% (B+) (calculated in accordance with graduate studies guidelines) is required.

The admissions committee may also recommend candidates who do not fully meet the above requirements but who do meet the minimum requirements in effect for graduate studies (an honours bachelor’s degree with 70% (B) standing) and who have demonstrated knowledge of the field through relevant training and/or work experience.

A letter of intent outlining the candidate’s interest in the program and relevant academic and practical experience must be submitted along with the application. Candidates should also indicate their preferred field (among four defined by the program).

Candidates who meet the basic admission requirements but who need to complete prerequisites for graduate courses or who need essential background knowledge in one or more fields may be admitted to a qualifying program.

Collaborative Program in Environmental Sustainability

The interdisciplinary MA program in Globalization and International Development is a participating unit in the collaborative program in Environmental Sustainability at the master’s level. This program has been established for students wishing to enrich their training in globalization and international development by including an interdisciplinary component in environmental sustainability.

Students must apply for admission to the Environmental Sustainability collaborative program at the same time as they apply for admission to the master’s program in Globalization and International Development. In exceptional cases, students could commence their specialization in environmental sustainability at the beginning of the second term of enrollment.

To be accepted into the collaborative program, candidates must:

- Be admitted to one of the programs participating in the collaborative program;
- Submit the collaborative program enrollment form (http://www.ie.uottawa.ca/CollaborativeProgram);
- Provide, in the case of thesis-based programs, a letter of recommendation from a professor confirming that he or she is willing to act as thesis supervisor;
- Submit a cover letter along with the application form indicating what research topic or area the student would like to pursue, and why the student wishes to do so as part of the collaborative program.

Co-op Program

To be admitted into the co-op option, students must commence the MA program in the fall term and be enrolled full time. Applications for the co-op option must be received by the end of the first month of the student’s enrollment in the MA program. Acceptance into the co-op
option is offered on a competitive basis and is managed by the Co-op Office. Enquiries should be directed to that office.

**Language Requirements**

Candidates must be able to understand, speak and write either English or French fluently. Applicants whose mother tongue is neither English nor French are required, at the time of application, to provide evidence of proficiency in one of these languages. Proof of having achieved a score of at least 280 in the computer-based Test of English as a Foreign Language (TOEFL) or in an equivalent test must be provided. For French proficiency, proof of having achieved a CanTEST score of 5.0 in Listening, in Reading, and in Writing must be provided.

In addition, students admitted to the program without evidence of proficiency in the second official language must demonstrate their reading competence in this language at the earliest opportunity by passing the language requirements (DVM 5999) administered by the program. A candidate who fails the test will have to successfully complete a course at the Official Languages and Bilingualism Institute approved by the program.

In accordance with University of Ottawa regulations, examinations, assignments and the research paper or thesis may be written in either one of the two official languages (English or French).

**Mentoring System**

Applications are reviewed by the program admissions committee. The committee assigns each student a professor who acts as a mentor and assists in developing an individualized study plan that takes account of interdisciplinary requirements and of the student’s needs, interests, and preferred field.

**Lecture Series**

All students are required, during the first year, to attend a lecture series where faculty and students from participating academic units, from other academic units or from outside organizations address important themes in globalization and international development.

**Program Requirements**

The program has four fields:

- Economic Growth, Private Sector and Social Inclusion
- Livelihoods, Resources and Sustainability
- Conflict, Transitions and Peace
- Social Movements, Equity and Human Rights

The requirements of both the primary program and of the collaborative program must be met. The units completed for the specialization count also towards the primary degree. Additional units are not required.

This program also has a co-op option (see below).

**Master’s with Collaborative Specialization (Major Research Paper)**

The requirements for this option consists of 24 units of courses and a Major Research Paper.

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<tr>
<th>Compulsory Courses (DVM):</th>
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<tr>
<td>DVM 5101</td>
<td>Research Methods</td>
<td>3 Units</td>
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<td>6 course units from:</td>
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<td>Livelihoods, Resources and Sustainability</td>
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<td>- DVM 6105</td>
<td>International Development Programming: Results-Based Approaches</td>
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6 elective course units in globalization and international development (DVM) at the graduate level

**Compulsory Courses (EVD):**

| EVD 5100 | Seminar in Environmental Sustainability | 3 Units |
| EVD 5101 | Economics of Environmental Law and Policy | |
| DCL 5340 | Sustainability and Law | |
| GEG 5105 | Selected Topics in Human Geography | |

**Research Paper:**

| DVM 6999 | Research Paper | 6 Units |

**Note(s)**

1. The elective course units may be selected from graduate courses offered by other programs, upon approval by the program director or a delegate.

2. Satisfactory completion of the research paper, which must be on a topic in the area of environmental sustainability, carried out under the supervision of a professor who is a member of the student’s primary program and/or of the collaborative program. The Collaborative Program Committee determines whether or not the topic of the research paper is appropriate for the designation “Specialization in Environmental Sustainability.” The research paper is evaluated by two professors, one of whom is selected by the primary program, and the other by the Collaborative Program Director, on the advice of the Collaborative Program Committee.

**Master’s with Collaborative Specialization (Thesis)**

The requirements for this option consists of 18 units of courses and a thesis.

**Compulsory Courses (DVM):**

| DVM 5100 | Understanding International Development and Globalization | 3 Units |
| DVM 5101 | Research Methods | 3 Units |
| 6 course units from: | | 6 Units |
| - DVM 6101 | Economic Growth, Private Sector and Social Inclusion | |
| - DVM 6102 | Livelihoods, Resources and Sustainability | |
| - DVM 6103 | Conflict, Transitions and Peace | |
| - DVM 6104 | Social Movements, Equity and Human Rights | |
| - DVM 6105 | International Development Programming: Results-Based Approaches | |

3 elective course units in globalization and international development (DVM) at the graduate level

**Compulsory Courses (EVD):**

| EVD 5100 | Seminar in Environmental Sustainability | 3 Units |
| EVD 5101 | Economics of Environmental Law and Policy | |
| DCL 5340 | Sustainability and Law | |
| GEG 5105 | Selected Topics in Human Geography | |

**Research Paper:**

| DVM 6999 | Research Paper | 6 Units |
The passing grade in all courses is C+. Students who fail two courses must withdraw from the program.

Minimum Standards
The passing grade in all courses is C+. Students who fail two courses (equivalent to 6 units) must withdraw from the program.

Duration of the Program
Students are expected to fulfill all requirements within two years. The maximum time permitted is four years from the date of initial enrollment in the program.

Minimum Standards
The passing grade in all courses is C+. Students who fail two courses (equivalent to 6 units) must withdraw from the program.

Co-op Option
Co-op students must enroll full-time and complete two work terms: DVM 6001 and DVM 6002.

Each work term is graded P/F (pass/fail), based on the employer’s report and on the written report completed by the student. (The report must be 30 pages, including appendices.) The report is evaluated by the professor in charge of the graduate co-op option in DVM.

The units awarded for co-op work terms may not be used to obtain equivalences for other courses. In other words, the co-op units are additional to the minimum requirements of the degree.

To remain in the co-op option, students must:

- Be enrolled full-time.
- Maintain a 7.0 cumulative grade point average.
- Obtain a satisfactory grade (P) for each co-op work term.

Second Language Requirement
Students admitted to the program without evidence of proficiency in the second official language must demonstrate their reading competence in this language at the earliest opportunity by passing the language requirements (DVM 5999) administered by the program. A candidate who fails the test will have to successfully complete a course at the Official Language and Bilingualism Institute (OLBI) approved by the program.

Research at the Faculty of Social Sciences
The Faculty of Social Sciences represents a place of excellence in knowledge creation, research and training. Driven by both disciplinary and interdisciplinary perspectives, research at the Faculty is rich, innovative and varied, contributing to the depth of understanding and breadth of discussions on a variety of issues nationally and internationally.

This research, whether it be fundamental, theoretical, applied or action-oriented, is generated by our renowned expertise, ultimately culminating in applications designed to influence individual communities and the betterment of society.

We have identified five research themes which collectively represent a large proportion of the research undertaken at the Faculty of Social Sciences:

- International Studies
- Francophonie
- Public Policy
- Health, Well-Being
- Justice, Society

Facilities, Research Centres and Institutes at the Faculty of Social Sciences

For more information, refer to the list of faculty members and their research fields on Uniweb.

IMPORTANT: Candidates and students looking for professors to supervise their thesis or research project can also consult the website of the faculty or department (https://www.uottawa.ca/graduate-studies/).
Courses

DVM 5100 Understanding International Development and Globalization (3 units)
Study of leading theories and debates on the meaning, challenges and possibilities of development and globalization. Analysis and discussion of the different aspects of development and globalization, including its cultural, political economic, security, legal and territorial implications. Interdisciplinary approach, with a focus on discussion and evaluation of key texts.
Course Component: Seminar

DVM 5101 Research Methods (3 units)
Research methods in international development and global studies. Analysis of epistemological foundations as well as ethical and practical issues associated with qualitative, quantitative and mixed research methodologies. Discussions of key aspects of research proposal development (stages, formulating sharp research questions, nature of a literature review).
Course Component: Seminar

DVM 5500 Comprendre le développement international et la mondialisation (3 crédits)
Volet : Séminaire

DVM 5501 Méthodes de recherche (3 crédits)
Méthodologies de recherche au sein des études du développement international et de la mondialisation. Analyse des fondements épistémologiques ainsi que des enjeux éthiques et pratiques des méthodologies quantitatives, qualitatives et mixtes. Discussion d’aspects clés de l’élaboration du projet de recherche individuel (étapes d’élaboration, qualité d’une question de recherche, nature d’une revue de littérature).
Volet : Séminaire

DVM 5910 Stage en mondialisation/Développement international / Internship in Globalization/International Development (3 crédits / 3 units)
Stage au Canada ou à l’étranger en milieu de travail. Noté S (satisfaisant) ou NS (non satisfaisant) par un professeur du programme en fonction du rapport écrit et de l’évaluation du superviseur de stage. / Workplace internship in Canada or abroad. Graded S (Satisfactory) / NS (Not satisfactory) by a professor in the program based on the written report and the evaluation of the internship supervisor.
Volet / Course Component: Stage / Work Term
Préalable : réussite des 12 crédits obligatoires du programme. Exclusion : étudiants inscrits dans l’option coop. / Prerequisite: Successful completion of the 12 compulsory credits in the program. Exclusion: Students registered in the co-op option.

DVM 5999 Exigence de langue / Language (3 crédits / 3 units)
Noté S (satisfaisant) ou NS (non satisfaisant). / Graded S (Satisfactory) / NS (Not satisfactory).
Volet / Course Component: Cours magistral / Lecture

DVM 6101 Economic Growth, Private Sector and Social Inclusion (3 units)
Understanding economic development, including the roles of the private sector and public policy, particularly in terms of their impact on economic growth, living standards, social inclusion, poverty and inequality, and human development.
Course Component: Seminar

DVM 6102 Livelihoods, Resources and Sustainability (3 units)
Interaction between society and nature. Consideration of how power shapes the use of resources such as land, water, food, or energy, and on how livelihoods adapt to environmental change in various rural and urban contexts. Theoretical lenses include commons theory, social ecological resilience, political ecology, and political economy.
Course Component: Seminar

DVM 6103 Conflict, Transitions and Peace (3 units)
Relationships between insecurity, transitions, peace and development. Key debates on links between development and security or, conversely, between insecurity, conflict and development. Different critical perspectives on the security-development nexus. Issues surrounding human (in)security, as well as key debates on transitions and peace.
Course Component: Seminar

DVM 6104 Social Movements, Equity and Human Rights (3 units)
Social movements, civil society, and informal networks, their roles, actions and impacts in the struggle against the vicious cycles of insecurity and vulnerability in developing countries. Themes include class, gender, ethnicity, citizenship and migration.
Course Component: Seminar

DVM 6105 International Development Programming: Results-Based Approaches (3 units)
The evolving international policy context for development effectiveness; results-based management for different actors and modalities (national strategies, program-based approaches, projects); how to practice RBM through the programming cycle (design, budgeting, implementation, monitoring & evaluation, etc.); RBM in different contexts (e.g. in middle-income countries versus fragile and conflict-affected states); limits of RBM-based approaches.
Course Component: Seminar

DVM 6110 Directed Studies in Globalization and International Development (3 units)
Course Component: Tutorial

DVM 6111 Special Topics in Economic Growth, Private Sector and Social Inclusion (3 units)
Course Component: Lecture
.Prerequisite: DVM 6101

DVM 6112 Special Topics in Environment, Natural Resources and Sustainability (3 units)
Course Component: Lecture
Prerequisite: DVM 6102.

DVM 6113 Special Topics in Conflict, Transitions and Peace (3 units)
Course Component: Seminar
Prerequisite: DVM 6103.

DVM 6114 Special Topics in Rights, Social Movements and Power (3 units)
Course Component: Seminar
Prerequisite: DVM 6104.
DVM 6115 Special Topics in Professional Skills for International Development and Globalization (3 units)
Course Component: Lecture
Prerequisites: DVM 6105.

DVM 6501 Croissance économique, secteur privé et inclusion sociale (3 crédits)
Comprendre le développement économique, notamment à travers les rôles du secteur privé et des politiques publiques, ainsi que leurs impacts sur la croissance économique, le développement humain, l’inclusion sociale, la pauvreté et les inégalités.
Volet : Séminaire

DVM 6502 Modes de vie, ressources et durabilité (3 crédits)
Relation entre les sociétés et la nature. Une attention particulière est accordée à la manière dont les relations de pouvoir orientent et déterminent l’utilisation de ressources comme l’eau, les forêts, la biodiversité et l’énergie ainsi qu’à la manière dont les moyens d’existence s’adaptent aux changements environnementaux dans des contextes ruraux et urbains variés. Les diverses approches conceptuelles incluent la théorie des biens publics, la résilience sociale et écologique, l’écologie politique et l’économie politique.
Volet : Séminaire

DVM 6503 Conflit, transitions et paix (3 crédits)
Les relations entre l’insécurité, les transitions, la paix et le développement. Les débats principaux portant sur les liens entre développement et sécurité ou, à l’inverse, entre insécurité, conflit et développement. Les différentes perspectives critiques quant à la connexion entre sécurité et développement. Enjeux associés avec l’(in)sécurité humaine, ainsi que les débats actuels en matière de transition et de paix.
Volet : Séminaire

DVM 6504 Mouvements sociaux, équité et droits humains (3 crédits)
Rôles, actions et impact des mouvements sociaux, de la société civile, et des réseaux informels dans la lutte contre le cercle vicieux de l’inégalité et de la vulnérabilité dans les pays en développement. Les thèmes abordés comprennent les questions de classe, de genre, d’ethnicié, de citoyenneté et de migration.
Volet : Séminaire

DVM 6505 La programmation en développement international : Les approches axées sur les résultats (3 crédits)
Le discours de l’efficacité de la coopération internationale comme contexte clé; les approches axées sur les résultats (AAR) pour divers acteurs et modalités (stratégies nationales, approches programmatiques, projets); les AAR dans le cycle de programmation (conceptualisation, planification budgétaire, mise en œuvre, suivi et évaluation, etc.); les AAR dans divers contextes (ex. économies à revenu moyen vers États fragiles); limites des approches AAR.
Volet : Séminaire

DVM 6513 Thèmes choisis en conflit, transitions et paix (3 crédits)
Volet : Cours magistral
Préalable : DVM 6503

DVM 6514 Thèmes choisis en droits, mouvements sociaux et pouvoir (3 crédits)
Volet : Séminaire
Préalable : DVM 6504.

DVM 6515 Thèmes choisis en connaissances profession. pour le développement international et la mondialisation (3 crédits)
Volet : Cours magistral
Préalable : DVM 6505

DVM 8108 Research Seminar in International Development (3 units)
Study of advanced techniques of qualitative and quantitative methods used in development research and analysis. Methods examined include the use of statistical analysis, comparative methodology, case study selection, discourse analysis, interview techniques and focus groups, and participative methods.
Course Component: Seminar

DVM 8109 Theories of International Development (3 units)
Focus on the major texts that constitute the canon of international development studies. Key theories and approaches will include imperialism/colonialism, modernization theory, structuralist economics, dependency theory, neoliberal/neoclassical economics, and post-modern and post-colonial theory.
Course Component: Seminar

DVM 8110 Development Policy and Practice (3 units)
Study of policy formulation and the role of strategic planning in the global South. Emphasis will be placed on how international institutions and policy documents impact the global South and how, in turn, changes in domestic and international environments shape these institutions and actors. Various political planning approaches are also examined.
Course Component: Seminar

DVM 8150 Special Topics in International Development (3 units)
In-depth examination of a question or topic linked to emerging trends or research areas in international development.
Course Component: Lecture

DVM 8508 Séminaire de recherche en développement international (3 crédits)
Étude des techniques avancées en méthodes quantitatives et qualitatives utilisées en matière de recherche et d'analyse en développement. Les méthodes examinées incluent l'utilisation des outils statistiques, la méthodologie comparative, la sélection d'études de cas, l'analyse de discours, les techniques d'enquêtes et d'interviews de publics cibles, et les méthodes participatives.
Volet : Séminaire
DVM 8509 Théories du développement international (3 crédits)
Volet : Séminaire

DVM 8510Politiques et pratiques du développement (3 crédits)
Volet : Séminaire

DVM 8550 Thèmes choisis en développement international (3 crédits)
Étude approfondie d’une problématique ou d’un sujet lié aux tendances émergentes en développement international.
Volet : Cours magistral

DVM 8950 Thèmes choisis en développement international / Special Topic in International Development (3 crédits / 3 units)
Étude approfondie d’une problématique ou d’un sujet lié aux tendances émergentes en développement international. / In-depth examination of a question or topic linked to emerging trends or research areas in international development.
Volet / Course Component: Cours magistral / Lecture
Préalable: connaissance active soit du français soit de l'anglais et connaissance au moins passive de l'autre langue. / Prerequisite: Active knowledge of either English or French and at least a passive knowledge of the other language.

DVM 8955 Lectures dirigées / Directed Studies (3 crédits / 3 units)
Cours individuel ayant pour objectif d’approfondir les connaissances de l’étudiant dans un domaine particulier ou de lui permettre de se familiariser avec un nouveau domaine. Le sujet est déterminé et développé en consultation avec le professeur responsable et en conformité avec les directives du département. Le travail remis dans ce cours doit être différent de ce qui a pu être soumis dans d’autres cours, y compris le projet de thèse, le mémoire ou la thèse. Il y a une limite d’un cours de lectures dirigées par étudiant et la permission n’est accordée que dans des circonstances exceptionnelles. Préalable : Permission du responsable des études doctorales. / Individual course aimed at deepening a student’s knowledge of a particular area or at gaining knowledge of a new area. The topic is selected and developed in consultation with the supervising professor in accordance with departmental guidelines. The work submitted for this course must be different from that submitted for other courses, including the thesis proposal, the master’s research paper or the thesis. Maximum of one directed readings course per student and permission granted only under exceptional circumstances.
Volet / Course Component: Cours magistral / Lecture

DVM 9996 Examen de synthèse I / Comprehensive Examination I
Préalable : réussite de toutes les exigences de cours. / Prerequisite: successful completion of all course requirements.
Volet / Course Component: Tutoriel / Tutorial
Préalable : réussite de toutes les exigences de cours. / Prerequisite: successful completion of all course requirements.

DVM 9997 Examen de synthèse II / Comprehensive Examination II
Volet / Course Component: Cours magistral / Lecture
Préalable : DVM 9996. / Prerequisite: DVM 9996.

DVM 9998 Projet de thèse / Thesis Proposal
Volet / Course Component: Séminaire / Seminar
Préalables: DVM 9996 et DVM 9997. / Prerequisites: DVM 9996 and DVM 9997.

DVM 9999 Thèse de doctorat / Ph.D. Thesis
Volet / Course Component: Cours magistral / Lecture
Préalable : DVM 9998. / Prerequisite: DVM 9998.

EVD 5100 Seminar in Environmental Sustainability (3 units)
Overview of environmental sustainability issues using climate change as an example. Application of integrated analyses based on concepts in science, law, economics and policy to devise policy solutions. The debate about the scientific evidence for climate change and international efforts to negotiate an agreement. The economic, political and social dimensions of climate change and measures taken both nationally and internationally to mitigate its effects.
Course Component: Seminar

EVD 5101 Economics of Environmental Law and Policy (3 units)
Environmental issues and the environmental policy framework from an economics perspective. Review of the underlying theory in relation to economic concepts such as efficiency, market failure, externalities, cost-benefit, and valuation. Overview of macroeconomic topics such as economic growth and green accounting, and their relation to law and policy. Application of these theoretical concepts to various environmental challenges, from climate change and energy regulation to managing ecosystem services and conserving biodiversity. Policy options for managing environmental challenges, from traditional “command and control” regulation to economic instruments such as environmental taxation, and cap and trade programs. Evaluation of the environmental, social, and economic effectiveness of the various policy options, and integration of economic theory into environmental policy development.
Course Component: Lecture

EVD 5106 Foundations of Environmental Law (1.5 units)
Foundations of environmental law, including theory of sustainability, constitutional division of powers, approaches to regulation of environmental issues, including examples of legal frameworks for different environmental problems, and access to justice.
Course Component: Seminar

EVD 5109 Applied Environmental Sustainability (3 units)
Uses an environmental sustainability case study, such as climate change, to learn how to synthesize information about a problem from multiple disciplinary perspectives, to critically evaluate such information using rigorous methodological approaches, and to design and evaluate policy or regulatory solutions.
Course Component: Seminar
Prerequisites: EVD 5106, EVD 5107, EVD 5121, EVD 5122.

EVD 5111 Capstone Seminar in Environmental Sustainability (3 units)
Involves partnering with organization(s) working on a sustainability issue. Students work in interdisciplinary teams to identify the scientific, economic, legal and social dimensions of a particular environmental problem, evaluate a set of candidate solutions, and recommend an approach.
Course Component: Seminar
EVD 5113 Foundations of Environmental Policy (3 units)
Study of the key political and administrative factors affecting the formulation and implementation of environmental policy, including democratic institutions, various methods for citizen and stakeholder engagement and their influence on the decision-making process in government, public opinion and the framing of policy problems, values and the use of scientific evidence in policy-making, lobbying and the role of interest representation, federalism and multi-level environmental governance, and the international governance of environmental problems. Case studies will place Canada in a comparative context and explore the importance of political factors across areas of environmental policy.
Course Component: Seminar

EVD 5114 Professional Skills for Environmental Sustainability (1.5 units)
Oral and written communications skills, including presenting to parliamentary committees, preparing memos to cabinet, writing editorials, doing media interviews, and producing interdisciplinary public policy reports. Project and process management skills, including multi-stakeholder processes.
Course Component: Seminar

EVD 5121 Foundations of Environmental Science (3 units)
Provides students with a thematic understanding of the current state of environmental science. Major themes include: the set of environmental issues that are currently of major concern in Canada and abroad; the range of scientific approaches currently employed to understand and predict the effects of human activities on ecosystems; the nature of environmental science evidence; and how environmental sustainability is characterized from the perspective of environmental science.
Course Component: Seminar

EVD 5122 Foundations of Environmental Economics (3 units)
Key elements of economics including formal models and their underlying assumptions as they relate to the development of sustainability policy. Covers concepts such as public goods, market failure, non-market valuation, incentives, welfare economics, regulation, the equity-efficiency trade-off and market-based instruments. The course explains how fundamental economic concepts, particularly their advantages and limitations, are used to analyze issues at the interface of the economy and the environment. Examines renewable (e.g., fisheries, forests) and non-renewable (e.g., oil, gas, minerals) resource management and other topics (e.g., climate change, ozone depletion, cap and trade) in applied environmental economics. Explores the institutions and trade-offs that individuals and governments face in the context of sustainability policy.
Course Component: Seminar

EVD 5123 Evidence Synthesis and Evaluation (3 units)
Reviews different understandings of what constitutes research, both as it pertains to the production of evidence and to the evaluation of existing evidence relating to policy, to regulatory and statutory interventions and to identifying evidence gaps. Students learn research methodologies to design research so as to maximize its evidentiary value (given existing constraints); they will also learn to synthesize and assess the evidentiary value of existing research.
Course Component: Seminar

EVD 5500 Séminaire en durabilité de l'environnement (3 crédits)
Survol des enjeux en durabilité de l'environnement en se servant du changement climatique comme exemple. Application d'analyses intégrant des concepts en sciences, en droit, en science économique et en études politiques. Le débat au sujet de la preuve scientifique du changement climatique et les efforts sur le plan international pour négocier une entente. Les dimensions économiques, sociales et politiques du changement climatique et les mesures à ce jour pour atténuer ses effets, au niveau international et au niveau national.
Volet : Séminaire

EVD 5501 Approche économique et le droit de l'environnement (3 crédits)
Les enjeux environnementaux et le système de réglementation du point de vue de la science économique. Étude de la théorie qui sous-tend certains concepts économiques, tels l'efficacité, la défaillance du marché, les externalités et la valuation. Survol des concepts macroéconomiques, tels la croissance économique et la comptabilité environnementale. Application de ces concepts théoriques aux défis environnementaux tels le changement climatique, la réglementation de l'énergie, la gestion des services écologiques et la conservation de la biodiversité. Les divers outils de réglementation pour la gestion des défis liés à l'environnement, incluant la réglementation traditionnelle de type « commande et contrôle », les moyens économiques tels que la taxation environnementale et les systèmes de droits d'échanges. Évaluation de l'efficacité environnementale, sociale et économique des diverses approches, et intégration de la théorie économique dans le développement de la réglementation environnementale.
Volet : Cours magistral

EVD 5506 Rudiments du droit de l'environnement (1.5 crédits)
Rudiments du droit de l'environnement, y compris la théorie du développement durable, la division constitutionnelle des pouvoirs, les démarches visant à réglementer les questions environnementales, avec exemples de cadres légaux pour différents problèmes environnementaux et accès à la justice.
Volet : Cours magistral

EVD 5509 Développement durable appliqué (3 crédits)
Étude de cas en développement durable (changements climatiques, par exemple) pour apprendre à synthétiser l'information sur un problème à partir de plusieurs perspectives disciplinaires, pour évaluer l'information selon un schéma critique, en faisant usage de méthodes rigoureuses, et pour concevoir et évaluer des politiques ou règlements.
Volet : Cours magistral
Préalables : EVD 5506, EVD 5507, EVD 5521, EVD 5522.

EVD 5511 Séminaire d'intégration sur le développement durable (3 crédits)
Partenariat avec des organisations travaillant en développement durable. Les étudiants forment des équipes multidisciplinaires pour étudier les dimensions scientifiques, économiques, juridiques et sociales d'un problème environnemental particulier, pour évaluer un éventail de solutions possibles et pour recommander les mesures à prendre.
Volet : Cours magistral
EVD 5513 Rudiments des politiques environnementales (3 crédits)
Étude des principaux facteurs politiques et administratifs influençant la formulation et la mise en œuvre des politiques environnementales, y compris les institutions démocratiques, les méthodes de participation des citoyens et des parties prenantes et leur influence sur les processus décisionnels des gouvernements, l’opinion publique et la définition des problèmes, le rôle des valeurs et de la science dans la formulation des politiques, le lobbying et la représentation des intérêts, le fédéralisme et la gouvernance multi-niveaux des enjeux environnementaux, et la politique internationale de l’environnement. Des études de cas situeront le Canada dans une perspective comparée et exploiteront l’importance de ces facteurs politiques dans divers secteurs des politiques environnementales.
**Volet** : Cours magistral

EVD 5514 Compétences professionnelles pour le développement durable (1.5 crédits)
Compétences orales et écrites en communication, notamment les présentations aux comités parlementaires, la préparation de mémoires au cabinet, la rédaction d’éditoriaux, les entrevues médiatiques et la production de rapports multidisciplinaires sur les politiques publiques. Gestion de projet et de processus faisant intervenir de nombreux joueurs.
**Volet** : Cours magistral

EVD 5521 Rudiments des sciences de l’environnement (3 crédits)
Donne aux étudiants une compréhension thématique de l’état actuel des sciences environnementales. Principaux thèmes : éventail des enjeux environnementaux d’importance au Canada et à l’étranger; les démarches scientifiques déployées pour comprendre et prédire les conséquences des activités humaines pour les écosystèmes; la nature des preuves apportées par les sciences de l’environnement; la perspective des sciences de l’environnement sur le développement durable.
**Volet** : Cours magistral

EVD 5522 Rudiments de l’économie de l’environnement (3 crédits)
Principaux éléments de l’économie, y compris les modèles économiques officiels et les présuppositions afférentes à l’élaboration de politiques de développement durable. Étude de divers concepts : patrimoine commun; échec des marchés; non évaluation des valeurs courantes; mesures incitatives; économie du bien-être; réglementation; équilibre entre équité et efficience; instruments reposant sur les mécanismes de marché. On examinera plus en détail les concepts fondamentaux de l’économie et leurs avantages et inconvénients pour l’examen des enjeux au carrefour de l’économie et de l’environnement. Étude de la gestion des ressources renouvelables (pêches, forêts, etc.) et non renouvelables (pétrole, gaz, minerai, etc.) et d’autres sujets en économie de l’environnement appliquée (ex. changements climatiques, destruction de la couche d’ozone, programmes de plafonnement et d’échange). Étude des institutions et programmes de compensation auxquels sont confrontés les individus et les gouvernements dans le contexte des politiques de développement durable.
**Volet** : Cours magistral

EVD 6112 Selected Topics in Environmental Sustainability (3 units)
In-depth examination of a question or topic linked to new trends or research areas in environmental sustainability.
**Course Component** : Lecture

EVD 6912 Thèmes choisis en durabilité de l’environnement / Selected Topics in Environmental Sustainability (3 crédits / 3 units)
Analyse approfondie d’une problématique ou d’une question liée aux nouvelles tendances en recherche ou aux nouveaux thèmes de recherche en durabilité de l’environnement. / In-depth examination of a question or topic linked to new trends or research areas in environmental sustainability.
**Volet / Course Component** : Cours magistral / Lecture
Préalable : connaissance passive de l’anglais. / Prerequisite: passive knowledge of French

EVD 6932 Lectures dirigées en durabilité de l’environnement / Directed Readings in Environmental Sustainability (3 crédits / 3 units)
Cours individuel ayant pour objectif d’approfondir les connaissances de l’étudiant dans un domaine particulier ou de lui permettre de se familiariser avec un nouveau domaine. Le sujet est déterminé et développé en consultation avec le professeur responsable et en conformité avec les directives de l’institut de l’environnement. Le travail remis dans ce cours doit être différent de ce qui a pu être soumis dans d’autres cours, y compris le projet de recherche, la thèse ou le mémoire. On permet un maximum d’un cours de lectures dirigées par étudiant et la permission n’est accordée que dans des circonstances exceptionnelles. / Individual course aimed at deepening a student’s knowledge of a particular area or at gaining knowledge of a new area. The topic is selected and developed in consultation with the supervising professor in accordance with institute guidelines. The work submitted for this course must be different from that submitted for other courses, including the research proposal, the thesis or the research paper. Maximum of one directed readings course per student, and permission is granted only under exceptional circumstances.
**Volet / Course Component** : Cours magistral / Lecture
Préalable : Connaissance passive de l’anglais. / Prerequisite: Passive knowledge of French.

EVD 6999 Mémoire / Research Paper (6 crédits / 6 units)
**Volet / Course Component** : Recherche / Research

EVD 7997 Projet de thèse / Thesis Proposal
**Volet / Course Component** : Recherche / Research

EVD 7999 Thèse de maîtrise / Master’s Thesis
**Volet / Course Component** : Recherche / Research