



**McGill**



**Program Revision Form**

(09/2003)

AC-04-100

<p><b>1.0 Degree Title</b> <i>Bachelor of Science</i></p> <p><b>1.1 Major (Subject)</b> <i>Environment</i></p> <p><b>1.2 Concentration (Option)</b> <i>Earth Sciences and Economics</i> (Note: This is a <u>Domain</u> in the Major Program in Environment.)</p> <p><b>1.3 Minor</b></p> <p><b>1.4 Category</b> <i>Major Program</i></p> <p><b>1.5 Complete Program Title</b> <i>B.Sc.; Environment; Earth Sciences and Economics Domain</i></p>	<p><b>2.0 Administering Faculty</b> <i>Arts</i></p> <p style="text-align: center;"><b>Offering Faculty</b> <i>Science</i></p> <p><b>3.0 Effective Term of Revision:</b> <i>200509</i> (eg. 200409)</p> <p><b>4.0 Existing Credit Weight:</b> <i>66</i> <b>Proposed Credit Weight:</b> <i>66</i></p> <p><b>5.0 Description (150 words max)</b> <i>no change to program description</i></p>
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**6.0 Existing and Proposed program course lists**

Additions are in ***Bold Italics***, and deletions are in ~~Strikeout~~. Numbered changes refer to items in the Rationale and the consultation list. Courses offered at Macdonald Campus are marked with (M).

Current Program	Proposed Program
<p><b>Core: Required Courses</b> (18 credits) ENVR 200 (3) The Global Environment ENVR 201 (3) Society and Environment ENVR 202 (3) The Evolving Earth ENVR 203 (3) Knowledge, Ethics and Environment ENVR 301 (3) Environmental Research Design ENVR 400 (3) Environmental Thought</p> <p><b>Core: Complementary Course – Senior Research Project</b> (3 credits*) AGRI 519 (6) Sustainable Development Plans (in Barbados) ENVR 401 (3) Environmental Research ENVR 451 (6) Research in Panama (in Panama) ENVR 466 (6) Research in Atlantic Canada (at Bay of Fundy) * Only 3 credits will be applied to the program; extra credits will count as electives.</p> <p><b>Domain: Required Courses</b> (22 credits) ECON 230D1 (3) Microeconomic Theory ECON 230D2 (3) Microeconomic Theory</p>	<p><b>Core: Required Courses</b> (18 credits) ENVR 200 (3) The Global Environment ENVR 201 (3) Society and Environment ENVR 202 (3) The Evolving Earth ENVR 203 (3) Knowledge, Ethics and Environment ENVR 301 (3) Environmental Research Design ENVR 400 (3) Environmental Thought</p> <p><b>Core: Complementary Course – Senior Research Project</b> (3 credits*) AGRI 519 (6) Sustainable Development Plans (in Barbados) ENVR 401 (3) Environmental Research ENVR 451 (6) Research in Panama (in Panama) <del>ENVR 466 (6) Research in Atlantic Canada (at Bay of Fundy)</del> * Only 3 credits will be applied to the program; extra credits will count as electives.</p> <p><b>Domain: Required Courses</b> (22 credits) ECON 230D1 (3) Microeconomic Theory ECON 230D2 (3) Microeconomic Theory</p>

<p>ECON 405 (3) Natural Resource Economics  EPSC 210 (3) Introductory Mineralogy  EPSC 212 (4) Introductory Petrology  EPSC 220 (3) Principles of Geochemistry  EPSC 425 (3) Sediments to Sequences</p> <p><b>Domain: Complementary Courses (23 credits)</b>  3 credits of statistics from:  AEMA 310 (3) Statistical Methods 1 (M)  or GEOG 202 (3) Statistics and Spatial Analysis  or MATH 203 (3) Principles of Statistics 1</p> <p>12 credits from List A  AGEC 333 (3) Resource Economics (M)  BIOL 308 (3) Ecological Dynamics  or WILD 205 (3) Principles of Ecology (M)  CHEE 430 (3) Technology Impact Assessment  or NRSC 437 (3) Assessing Environmental Impact (M)  ECON 326 (3) Ecological Economics  ECON 347 (3) Economics of Climate Change  ECON 416 (3) Topics in Economic Development 2  ECON 525 (3) Project Analysis</p> <p>8 credits, minimum, from List B  AGRI 435 (3) Soil and Water Quality Management (M)  ANTH 339 (3) Ecological Anthropology  BIOL 305 (3) Animal Diversity  BIOL 553 (3) Neotropical Environments (in Panama)  ECON 305 (3) Industrial Organization  ECON 313 (3) Economic Development 1  ECON 314 (3) Economic Development 2  ECON 408D1 (3) Public Sector Economics  ECON 408D2 (3) Public Sector Economics  ECON 412 (3) Topics in Economic Development 1  EPSC 312 (3) Spectroscopy of Minerals  EPSC 334 (3) Invertebrate Paleontology  EPSC 483D1 (1.5) Independent Studies 2  EPSC 483D2 (1.5) Independent Studies 2  EPSC 519 (3) Isotope Geology  EPSC 542 (3) Chemical Oceanography  EPSC 549 (3) Hydrogeology  EPSC 580 (3) Aqueous Geochemistry  EPSC 590 (3) Applied Geochemistry Seminar  GEOG 302 (3) Environmental Management 1  GEOG 322 (3) Environmental Hydrology  GEOG 497 (3) Ecology of Coastal Waters (at Bay of Fundy)  SOIL 410 (3) Soil Chemistry (M)</p>	<p>ECON 405 (3) Natural Resource Economics  EPSC 210 (3) Introductory Mineralogy  EPSC 212 (4) Introductory Petrology  EPSC 220 (3) Principles of Geochemistry  EPSC 425 (3) Sediments to Sequences</p> <p><b>Domain: Complementary Courses (23 credits)</b>  3 credits of statistics from:  AEMA 310 (3) Statistical Methods 1 (M)  or GEOG 202 (3) Statistics and Spatial Analysis  or MATH 203 (3) Principles of Statistics 1  <sup>2</sup><b>or equivalent</b></p> <p>12 credits from List A  AGEC 333 (3) Resource Economics (M)  BIOL 308 (3) Ecological Dynamics  or WILD 205 (3) Principles of Ecology (M)  CHEE 430 (3) Technology Impact Assessment  or NRSC 437 (3) Assessing Environmental Impact (M)  ECON 326 (3) Ecological Economics  ECON 347 (3) Economics of Climate Change  ECON 416 (3) Topics in Economic Development 2  ECON 525 (3) Project Analysis</p> <p>8 credits, minimum, from List B  AGRI 435 (3) Soil and Water Quality Management (M)  ANTH 339 (3) Ecological Anthropology  BIOL 305 (3) Animal Diversity  BIOL 553 (3) Neotropical Environments (in Panama)  ECON 305 (3) Industrial Organization  ECON 313 (3) Economic Development 1  ECON 314 (3) Economic Development 2  ECON 408D1 (3) Public Sector Economics  ECON 408D2 (3) Public Sector Economics  ECON 412 (3) Topics in Economic Development 1  EPSC 312 (3) Spectroscopy of Minerals  EPSC 334 (3) Invertebrate Paleontology  EPSC 483D1 (1.5) Independent Studies 2  EPSC 483D2 (1.5) Independent Studies 2  EPSC 519 (3) Isotope Geology  EPSC 542 (3) Chemical Oceanography  EPSC 549 (3) Hydrogeology  EPSC 580 (3) Aqueous Geochemistry  EPSC 590 (3) Applied Geochemistry Seminar  GEOG 302 (3) Environmental Management 1  GEOG 322 (3) Environmental Hydrology  GEOG 497 (3) Ecology of Coastal Waters (at Bay of Fundy)  SOIL 410 (3) Soil Chemistry (M)</p>
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## 7.0 Consultation with Related Units

Don Baker, Earth and Planetary Sciences, Domain advisor

## 8.0 Rationale

1. ENVR 466 is being retired.
2. This term is included in all the domains where MATH 203 is included in the complementary course list, to allow greater flexibility in course selection

**9.0 Approvals**

Routing Sequence	Name	Signature	Date
Department	Nigel Roulet		
Curric/Acad Cmty			
Faculty 1			
Faculty 2			
Faculty 3			
SCTP			
GS			
APPC			
Senate			

**Submitted by:**

Pete Barry, MSE Program Coordinator

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Submission Date:

To be completed by ARR:

CIP Code: