

**University of Windsor
Program Development Committee**

*5.12: **Earth and Environmental Sciences – Minor Program Changes**

Item for: **Approval**

MOTION: That the changes to the Minor in Geography, the Minor in Environmental Sciences, and the Minor in Earth Sciences be made in accordance with the submitted PDC program/course change forms.*

**Subject to the approval of expenditures required.*

Rationale/Approvals:

- The proposal has been approved by the AAU Council and Faculty Coordinating Council.
- *See attached.*

PROGRAM DEVELOPMENT COMMITTEE

MINOR PROGRAM CHANGES

FORM "C"

TITLE OF PROGRAM/CERTIFICATE: Minor in Geography, the Minor in Environmental Sciences, and the Minor in Earth Sciences

DEPARTMENT/SCHOOL: Earth and Environmental Sciences

FACULTY: Science

Proposed change(s) effective as of [Fall, Winter, Spring]: Winter 2015

A.1 PROGRAM REQUIREMENT CHANGES

Please provide the current program requirements and the proposed new program requirements by cutting and pasting from the current undergraduate or graduate web calendar (www.uwindsor.ca/calendars) and clearly marking deletions with strikethrough (~~strikethrough~~) and additions/new information with **bolding and underlining**.

Example:

Major requirements: 00-100, ~~00-104~~, 00-110, 00-210, 00-310, 00-410, plus three additional courses at the **300-level or** 400-level.

A minor in Geography consists of six courses selected from the following list: 45-238, 45-249, 45-338, 58-100 or 58-110, 58-210, ~~61-326~~, 66-100, 66-102, 66-200, 66-215, 66-216, 66-220, 66-221, 66-230, 66-316, 66-332, 66-334, 66-370, 66-381, 66-402. *Restrictions:* At least one course must be taken from 45-238, 45-249, 58-100 or 58-110, and 58-210. Only two courses can be taken from 66-102, 66-220 and 66-370 and ~~only two courses can be taken from 61-326, 66-100, and 66-224~~. A minimum **average** of 60% must be attained in ~~each~~ **for all** courses counted toward the minor.

A minor in Environmental Science consists of a total of six courses as follows:(a) 66-141(b) 55-140 (if not enrolled in a program that includes 55-140 as a major requirement); (c) Courses chosen from the following list to make up a total of six courses for the minor: 66-102, 66-140, 66-202, 66-216, 66-221, 66-224, 66-230, 66-232, 66-316, 66-320, 66-328, 66-330, 66-370, 66-380, 66-402, 66-410, 66-415, 66-436, 66-437, 66-440, 66-441. A minimum **average** of 60% must be attained in ~~each~~ **for all** courses counted toward the minor.

A minor in Earth Science consists of **a total of six courses as follows: (a) 66-140, (b) 66-141 (if not enrolled in a program that includes 66-141 as a major requirement), and (c) courses chosen from the following list to make up a total of six courses for the minor:** ~~four courses from:~~ **66-100, 66-202, 66-215, 66-216, 66-221, 66-224, 66-230, 66-231, 66-232, 66-305, 66-327, 66-436**. A **minimum average** of 60% must be attained in ~~each~~ **for all** courses counted toward the minor.

A.2 MINOR COURSE CHANGES REQUIRING ADDITIONAL RESOURCES OR AFFECTING DEGREE REQUIREMENTS

If this is a minor course and calendar change (usually noted on a Form E) requiring additional resources or affecting degree requirements, please provide the current course information and the proposed new course information by cutting and pasting from the current undergraduate or graduate web calendar and clearly marking deletions with strikethrough (~~strikethrough~~) and additions/new information with **bolding and underlining**.

Examples of minor course changes include: deleting courses, course description changes, pre/anti/co-requisite changes, contact hour/lab requirement changes, course title changes, renumbering courses, and/or cross-listing courses. Minor course calendar changes, which do not require additional resources or do not affect degree requirements, should be submitted on a **Form E**.

N/A

PROGRAM DEVELOPMENT COMMITTEE

MINOR PROGRAM CHANGES

FORM "C"

B. RATIONALE

Please provide a rationale for the proposed change(s).

Minors in Geography and Environmental Science

The proposed undergraduate calendar changes make the average requirements for the Geography Minor and the Environmental Science minor consistent with those specified in other minors.

Minor in Earth Sciences

The proposed undergraduate calendar changes: 1) make the language and average requirements for the Earth Science minor consistent with those specified in the Environmental Science minor, and 2) expand the number of possible course selections, which will facilitate completion of the minor.

C. RESOURCES

C.1 Available Faculty and Staff Resources (QAF sections 2.1.7, 2.1.8, 2.1.9 and 2.1.10)

Describe all faculty and staff resources (e.g., administrative, teaching, supervision) from all affected areas/departments currently available and actively committed to support the program change(s).

N/A

C.1.1

Provide an assessment of faculty expertise available and committed to actively support the revised program.

N/A

C.1.2

Describe the area's expected reliance on, and the role of adjunct, limited-term, and sessional faculty in delivering the revised program.

N/A

C.1.3

***For graduate programs:** Explain how supervisory loads will be distributed, and describe the qualifications and appointment status of faculty who will provide instruction and supervision in the revised program.*

N/A

C.1.4

***For graduate programs:** Where appropriate to the revised program, provide evidence that financial assistance for graduate students will be sufficient to ensure adequate quality and numbers of students.*

N/A

C.2 Other Available Resources

Provide evidence that there are adequate resources available and committed to the revised program to sustain the quality of scholarship produced by undergraduate students as well as graduate students' scholarship and research activities, including for example:

- staff support,
- library,
- teaching and learning support,
- student support services,
- space,
- equipment,
- facilities
- GA/TA

N/A

PROGRAM DEVELOPMENT COMMITTEE

MINOR PROGRAM CHANGES

FORM "C"

C.3 Resource Implications for Other Campus Units (MTCU sections 3 and 4)

Describe the reliance of the proposed program revisions on existing resources from other campus units, including for example:

- existing courses,
- equipment or facilities outside the proposer's control,
- external resources requiring maintenance or upgrading using external resources

Provide relevant details.

None.

C.4 Anticipated New Resources (QAF sections 2.1.7, 2.1.8 and 2.1.9; MTCU section 4)

*List all **anticipated new resources** originating from within the area, department or faculty (external grants, donations, government grants, etc.) and committed to supporting the revisions to this program.*

N/A

C.5 Planned Reallocation of Resources and Cost-Savings (QAF section 2.1.7 and 2.1.9; MTCU section 4)

Identify all opportunities for

- internal reallocation of resources and
- cost savings

identified and pursued by the area/department in support of the revisions to this program. (e.g., streamlining existing programs and courses, deleting courses, etc.)?

N/A

C.6 Additional Resources Required – Resources Requested (QAF section 2.1.7 and 2.1.9)

*Describe all **additional faculty, staff and GA/TA resources** (in all affected areas and departments) required to run the revised program.*

Faculty: none

Staff: none

GA/TAs: none

C.6.1

*Describe all **additional institutional resources and services** required by all affected areas or departments to run the revised program, including library, teaching and learning support services, student support services, space and facilities, and equipment and its maintenance.*

Library Resources and Services: none

Teaching and Learning Support: none

Student Support Services: none

Space and Facilities: none

Equipment (and Maintenance): none