



**Lakehead University**  
**Faculty of Science and Environmental Studies**

**REQUEST REPORT**

**Request Tracking Number:** 2015-SCI-5266  
**Request Title:** Courses-New-UG-GEOG - Course Prerequisite Update (GEOG 1170 & 1190)

[DeAcTerm[EffectiveDate]] [DeAc[RequestEffectiveDate]]  
**Request Status:** In Workflow  
 Request can be split

**Request Contents**

Type		Title
1.	New Version of a Course	Introduction to Geomatics and GIS
2.	New Version of a Course	Quantitative Methods in Geography
3.	New Version of a Course	Climatology
4.	New Version of a Course	Introduction to Soil Science
5.	New Version of a Course	Environmental Assessment and Management
6.	New Version of a Course	Geography of Canada
7.	New Version of a Course	Geography of the Lake Superior Basin
8.	New Version of a Course	Geography of Northern Europe
9.	New Version of a Course	Special Topic in Geography: Half Year
10.	New Version of a Course	Water Resources Management
11.	New Version of a Course	Conservation Geography
12.	New Version of a Course	Geography of Risk and Hazard
13.	New Version of a Course	Sustainable Communities
14.	New Version of a Course	Indigenous Geographies of Mountain Areas

**Request History**

Workflow Step	Workflow Action	User	Change Made	Comments	Date
Initiator	Approved	Jennifer McKee	Yes	Submitted to workflow	10/26/2015
Submission Review (Academic & Curriculum Development Coordinator)	Approved	submission review	No	Approved	10/27/2015

## Supporting Documents

File Name	Uploaded By	Upload Date	Size
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## Supporting Documents Audit Trail

File Name	User	Date	Action
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## Notes

Date	User	Note
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1.	New Version of a Course	Geography 2232 - Introduction to Geomatics and GIS
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### Course Details

CURRENT VERSION	PROPOSED VERSION
Geography 2232 - Introduction to Geomatics and GIS <b>Start Term:</b> Fall 2014 <b>End Term:</b> No Specified End Date	Geography 2232 - Introduction to Geomatics and GIS <b>Start Term:</b> <del>Fall 2014</del> 2016-17 <b>End Term:</b> No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
<b>Code</b> Geography 2232	<b>Code</b> Geography 2232
<b>Title</b> Introduction to Geomatics and GIS	<b>Title</b> Introduction to Geomatics and GIS
<b>Description</b> An introduction to the fundamental principles and techniques that comprise the field of geomatics, especially Geographic Information Systems (GIS). Topics include the collection and visualization of geographical data through various means, database construction and manipulation, and exposure to analog and digital spatial technologies, such as GPS, surveying and digital aerial photography.	<b>Description</b> An introduction to the fundamental principles and techniques that comprise the field of geomatics, especially Geographic Information Systems (GIS). Topics include the collection and visualization of geographical data through various means, database construction and manipulation, and exposure to analog and digital spatial technologies, such as GPS, surveying and digital aerial photography.
<b>End Term</b> No Specified End Date	<b>End Term</b> No Specified End Date
<b>Institution</b> Lakehead University	<b>Institution</b> Lakehead University
<b>Faculty</b> Faculty of Science and Environmental Studies	<b>Faculty</b> Faculty of Science and Environmental Studies
<b>CreditWeight</b> 0.5	<b>CreditWeight</b> 0.5
<b>Rationale</b> The Department feels that moving the Introduction to GIS as well as other keys aspects of an introduction to geomatics is best done at the second year level, so that upper year courses can benefit from this broad introduction to geographical data products, database construction and manipulation. A second year GIS course is common in most Geography Departments across Canada.	<b>Rationale</b> <del>The Department feels that moving the Introduction to GIS as well as other keys aspects of an introduction to geomatics is best done at the second year level, so that upper year courses can benefit from this broad introduction to geographical data products, database construction and manipulation. A second year GIS course is common in most Geography Departments across Canada.</del> Due to the ICR requirement campus wide the Geography department decided to create it's own ICR course by splitting GEOG / ENST 1120/1140 and creating GEOG / ENST 1150, 1170, 1190 - students in Geography are now required to take 1170 as the prerequisite for upper year courses

	<i>and 1190 to met the ICR requirement. Thus, both courses are still required as was the case with 1120 and 1140 but simply for different reasons.</i>
<b>Requiredor Elective</b>	<b>Requiredor Elective</b>
<b>Cross List</b>	<b>Cross List</b>
<b>Offering</b> 2-3; or 2-3	<b>Offering</b> 2-3; or 2-3
<b>Prerequisites</b> Geography 1120 or 1140 or permission of the Chair of the Department of Geography and the Environment	<b>Prerequisites</b> Geography <del>1120</del> 1150 or <del>1140</del> 1170 or permission of the Chair of the Department of Geography and the Environment
<b>Corequisites</b>	<b>Corequisites</b>
<b>Notes</b> An additional fee (see Miscellaneous Fees) is required for this course.	<b>Notes</b> An additional fee (see Miscellaneous Fees) is required for this course.
<b>SpecialTopicDropdown</b>	<b>SpecialTopicDropdown</b>
<b>GradeSchemePF</b>	<b>GradeSchemePF</b>
<b>EffectonEnrolmentINIT</b> This course will increase in enrolment as it is moving to a required course in the second year of nearly all Geography programs. We expect a normal enrolment to be approximately 50 students, requiring two laboratory sections, similar to the current version of this course (ie Geography 3251). For 2014-15, there will be a 'double-cohort' of students (those students currently in first and second years required to take this course), thus we anticipate an enrollment of 75+ for 2014-15. In addition, we are hoping that an overall strengthening of the Certificate Program will increase its marketability to prospective students.	<b>EffectonEnrolmentINIT</b> <del>This course will increase in enrolment as it is moving to a required course in the second year of nearly all Geography programs. We expect a normal enrolment to be approximately 50 students, requiring two laboratory sections, similar to the current version of this course (ie Geography 3251). For 2014-15, there will be a 'double-cohort' of students (those students currently in first and second years required to take this course), thus we anticipate an enrollment of 75+ for 2014-15. In addition, we are hoping that an overall strengthening of the Certificate Program will increase its marketability to prospective students.</del> N
<b>EffectonEnrolmentOTHER</b> No anticipated impact on enrolment in other departments.	<b>EffectonEnrolmentOTHER</b> <del>No anticipated impact on enrolment in other departments.</del> N

<p><b>AdditionalTeachingSpace</b></p> <p>Part of this course will involve a limited introduction (1 or 2 laboratory periods) to the use of updated remote sensing software (PCI Geomatica) being purchased for the Geography 4231 course (see related Calendar change proposal below). This software has an annual maintenance fee required that will necessitate a small to modest laboratory fee attached to this course, so that the annual software maintenance updates can be made. We are proposing a laboratory fee of approximately 15\$ per student be applied to Geography 2XXX. A laboratory fee for this and related geomatics lab courses in Geography is similar to what already exists for other units in the Faculty of Science. This lab fees are for items “consumed” during a course. The fee will be applied to the annual software maintenance costs only, as this software in reality is consumed by that student group during the year they take the course.</p>	<p><b>AdditionalTeachingSpace</b></p> <p><del>Part of this course will involve a limited introduction (1 or 2 laboratory periods) to the use of updated remote sensing software (PCI Geomatica) being purchased for the Geography 4231 course (see related Calendar change proposal below). This software has an annual maintenance fee required that will necessitate a small to modest laboratory fee attached to this course, so that the annual software maintenance updates can be made. We are proposing a laboratory fee of approximately 15\$ per student be applied to Geography 2XXX. A laboratory fee for this and related geomatics lab courses in Geography is similar to what already exists for other units in the Faculty of Science. This lab fees are for items “consumed” during a course. The fee will be applied to the annual software maintenance costs only, as this software in reality is consumed by that student group during the year they take the course.</del> N</p>
<p><b>EffectonTeachingLoads</b></p> <p>There is a faculty member already teaching the GIS course and he will be assigned this new course to his teaching load.</p>	<p><b>EffectonTeachingLoads</b></p> <p><del>There is a faculty member already teaching the GIS course and he will be assigned this new course to his teaching load.</del> N</p>
<p><b>EffectonServices</b></p> <p>We will allot support from one GA and one Technical Staff to this course, as has been the habit over the past several years, for both computer-laboratory work as well as the data collection in the field. This has worked well for 2 laboratory sections historically. For 2014-15, we anticipate at least 1 (and maybe 2) additional laboratory sections due to the ‘double-cohort’ mentioned above, that may be offset as we are not offering Geography 2211 for 2014-15. If necessary, the course instructor may assist with extra lab sessions unless other support is available from our Dean or from additional GA resources.</p>	<p><b>EffectonServices</b></p> <p><del>We will allot support from one GA and one Technical Staff to this course, as has been the habit over the past several years, for both computer-laboratory work as well as the data collection in the field. This has worked well for 2 laboratory sections historically. For 2014-15, we anticipate at least 1 (and maybe 2) additional laboratory sections due to the ‘double-cohort’ mentioned above, that may be offset as we are not offering Geography 2211 for 2014-15. If necessary, the course instructor may assist with extra lab sessions unless other support is available from our Dean or from additional GA resources.</del> N</p>
<p><b>DirectinkindSupport</b></p> <p>None</p>	<p><b>DirectinkindSupport</b></p> <p><del>None</del> N</p>

2.	New Version of a Course	Geography 2271 - Quantitative Methods in Geography
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### Course Details

CURRENT VERSION	PROPOSED VERSION
Geography 2271 - Quantitative Methods in Geography <b>Start Term:</b> Fall 2014 <b>End Term:</b> No Specified End Date	Geography 2271 - Quantitative Methods in Geography <b>Start Term:</b> <del>Fall 2014</del> 2016-17 <b>End Term:</b> No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
<b>Code</b> Geography 2271	<b>Code</b> Geography 2271
<b>Title</b> Quantitative Methods in Geography	<b>Title</b> Quantitative Methods in Geography
<b>Description</b> Methods and techniques for handling, describing and analyzing geographical data. The application of statistical and mathematical techniques in geography.	<b>Description</b> Methods and techniques for handling, describing and analyzing geographical data. The application of statistical and mathematical techniques in geography.
<b>End Term</b> No Specified End Date	<b>End Term</b> No Specified End Date
<b>Institution</b> Lakehead University	<b>Institution</b> Lakehead University
<b>Faculty</b> Faculty of Science and Environmental Studies	<b>Faculty</b> Faculty of Science and Environmental Studies
<b>CreditWeight</b> 0.5	<b>CreditWeight</b> 0.5
<b>Rationale</b> Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly.	<b>Rationale</b> <del>Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly</del> Due to the ICR requirement campus wide the Geography department decided to create it's own ICR course by splitting GEOG / ENST 1120/1140 and creating GEOG / ENST 1150, 1170, 1190 - students in Geography are now required to take 1170 as the

	<i>prerequisite for upper year courses and 1190 to met the ICR requirement. Thus, both courses are still required as was the case with 1120 and 1140 but simply for different reasons.</i>
<b>Requiredor Elective</b>	<b>Requiredor Elective</b>
<b>Cross List</b>	<b>Cross List</b>
<b>Offering</b> 3-1.5; or 3-1.5	<b>Offering</b> 3-1.5; or 3-1.5
<b>Prerequisites</b> Geography 1120 or 1140 por permission of the Chair of the Department of Geography and the Environment	<b>Prerequisites</b> Geography  <del>1120</del>  1150 or  <del>1140 per</del>  1170 or permission of the Chair of the Department of Geography and the Environment
<b>Corequisites</b>	<b>Corequisites</b>
<b>Notes</b>	<b>Notes</b>
<b>SpecialTopicDropdown</b>	<b>SpecialTopicDropdown</b>
<b>GradeSchemePF</b>	<b>GradeSchemePF</b>
<b>EffectonEnrolmentINIT</b> No - prerequisite update only	<b>EffectonEnrolmentINIT</b> No - prerequisite update only
<b>EffectonEnrolmentOTHER</b> No - prerequisite update only	<b>EffectonEnrolmentOTHER</b> No - prerequisite update only
<b>AdditionalTeachingSpace</b> No - prerequisite update only	<b>AdditionalTeachingSpace</b> No - prerequisite update only
<b>EffectonTeachingLoads</b> No - prerequisite update only	<b>EffectonTeachingLoads</b> No - prerequisite update only
<b>EffectonServices</b> No - prerequisite update only	<b>EffectonServices</b> No - prerequisite update only

<b>DirectkindSupport</b> No - prerequisite update only	<b>DirectkindSupport</b> No - prerequisite update only
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### Prerequisites

CURRENT VERSION			PROPOSED VERSION		
R1: ... All Course(s) from the following...			R1: ... All Course(s) from the following...		
Code	Title	Credits	Code	Title	Credits
Geography 1120	Environmental Issues: A Geographical Approach		Geography 1120	Environmental Issues: A Geographical Approach	



3.	New Version of a Course	Geography 2331 - Climatology
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### Course Details

CURRENT VERSION	PROPOSED VERSION
Geography 2331 - Climatology <b>Start Term:</b> Fall 2014 <b>End Term:</b> No Specified End Date	Geography 2331 - Climatology <b>Start Term:</b> <del>Fall 2014</del> 2016-17 <b>End Term:</b> No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
<b>Code</b> Geography 2331	<b>Code</b> Geography 2331
<b>Title</b> Climatology	<b>Title</b> Climatology
<b>Description</b> An examination of atmosphere processes, weather phenomena, macroclimates, microclimates and the nature of climatic change. Laboratory work will include the analysis of meteorological and climatological data and the study of weather maps.	<b>Description</b> An examination of atmosphere processes, weather phenomena, macroclimates, microclimates and the nature of climatic change. Laboratory work will include the analysis of meteorological and climatological data and the study of weather maps.
<b>End Term</b> No Specified End Date	<b>End Term</b> No Specified End Date
<b>Institution</b> Lakehead University	<b>Institution</b> Lakehead University
<b>Faculty</b> Faculty of Science and Environmental Studies	<b>Faculty</b> Faculty of Science and Environmental Studies
<b>CreditWeight</b> 0.5	<b>CreditWeight</b> 0.5
<b>Rationale</b> Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly.	<b>Rationale</b> <del>Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly.</del> Due to the ICR requirement campus wide the Geography department decided to create it's own ICR course by splitting GEOG / ENST 1120/1140 and creating GEOG / ENST 1150, 1170, 1190 - students in

	<i>Geography are now required to take 1170 as the prerequisite for upper year courses and 1190 to met the ICR requirement. Thus, both courses are still required as was the case with 1120 and 1140 but simply for different reasons.</i>
<b>Requiredor Elective</b>	<b>Requiredor Elective</b>
<b>Cross List</b> Environmental Studies 2331	<b>Cross List</b> Environmental Studies 2331
<b>Offering</b> 2-2; or 2-2	<b>Offering</b> 2-2; or 2-2
<b>Prerequisites</b> Geography 1120 or 1140 or permission of the Chair of the Department of Geography and the Environment	<b>Prerequisites</b> Geography  <del>1120</del>  1150 or  <del>1140</del>  1170 or permission of the Chair of the Department of Geography and the Environment
<b>Corequisites</b>	<b>Corequisites</b>
<b>Notes</b>	<b>Notes</b>
<b>SpecialTopicDropdown</b>	<b>SpecialTopicDropdown</b>
<b>GradeSchemePF</b>	<b>GradeSchemePF</b>
<b>EffectonEnrolmentINIT</b> NO - prerequisite update and housekeeping only	<b>EffectonEnrolmentINIT</b> NO - prerequisite update and housekeeping only
<b>EffectonEnrolmentOTHER</b> No - prerequisite and housekeeping only	<b>EffectonEnrolmentOTHER</b> No - prerequisite and housekeeping only
<b>AdditionalTeachingSpace</b> No - prerequisite and housekeeping only	<b>AdditionalTeachingSpace</b> No - prerequisite and housekeeping only
<b>EffectonTeachingLoads</b> No - prerequisite and housekeeping only	<b>EffectonTeachingLoads</b> No - prerequisite and housekeeping only
<b>EffectonServices</b> No - prerequisite and housekeeping only	<b>EffectonServices</b> No - prerequisite and housekeeping only

**DirectkindSupport**

No - prerequisite and housekeeping only

**DirectkindSupport**

No - prerequisite and housekeeping only

4.	New Version of a Course	Geography 3313 - Introduction to Soil Science
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### Course Details

CURRENT VERSION	PROPOSED VERSION
Geography 3313 - Introduction to Soil Science <b>Start Term:</b> 2015-16 <b>End Term:</b> No Specified End Date	Geography 3313 - Introduction to Soil Science <b>Start Term:</b> <del>2015</del> 2016- <del>16</del> 17 <b>End Term:</b> No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
<b>Code</b> Geography 3313	<b>Code</b> Geography 3313
<b>Title</b> Introduction to Soil Science	<b>Title</b> Introduction to Soil Science
<b>Description</b> An introduction to the principles of soil science. Soil will be studied as an organized natural body, composed of unconsolidated solid material, living material, gases and water. Laboratory exercises and field work will be used to demonstrate concepts associated with soil testing and research.	<b>Description</b> An introduction to the principles of soil science. Soil will be studied as an organized natural body, composed of unconsolidated solid material, living material, gases and water. Laboratory exercises and field work will be used to demonstrate concepts associated with soil testing and research.
<b>End Term</b> No Specified End Date	<b>End Term</b> No Specified End Date
<b>Institution</b> Lakehead University	<b>Institution</b> Lakehead University
<b>Faculty</b> Faculty of Science and Environmental Studies	<b>Faculty</b> Faculty of Science and Environmental Studies
<b>CreditWeight</b> 0.5	<b>CreditWeight</b> 0.5
<b>Rationale</b> To increase the options available to Geology students for courses that relate more to the environmental side of the program and in order for them to be able to count this towards their professional registration.	<b>Rationale</b> <del>To increase the options available to Geology students for courses that relate more to the environmental side of the program and in order for them to be able to count this towards their professional registration</del> Due to the ICR requirement campus wide the Geography department decided to create it's own ICR course by splitting GEOG / ENST 1120/1140 and creating GEOG / ENST 1150, 1170, 1190 - students in Geography are now required to take 1170 as the prerequisite for upper year courses and 1190 to met the ICR requirement. Thus, both courses are still required as was the case with 1120 and 1140 but simply for different reasons.
<b>Requiredor Elective</b>	<b>Requiredor Elective</b>

<b>Cross List</b> Environmental Studies 3314/Geology 3313	<b>Cross List</b> Environmental Studies 3314/Geology 3313
<b>Offering</b> 3-2; or 3-2	<b>Offering</b> 3-2; or 3-2
<b>Prerequisites</b> Geography 1120 or 1140 or permission of the Chair of the Department of Geography	<b>Prerequisites</b> Geography  <del>1120</del>  1150 or  <del>1140</del>  1170 or permission of the Chair of the Department of Geography
<b>Corequisites</b>	<b>Corequisites</b>
<b>Notes</b>	<b>Notes</b>
<b>SpecialTopicDropdown</b>	<b>SpecialTopicDropdown</b>
<b>GradeSchemePF</b>	<b>GradeSchemePF</b>
<b>EffectonEnrolmentINIT</b> No it will not have an impact on any department within the faculty.	<b>EffectonEnrolmentINIT</b> No it will not have an impact on any department within the faculty.
<b>EffectonEnrolmentOTHER</b> No it will not have an impact on any department in a different faculty	<b>EffectonEnrolmentOTHER</b> No it will not have an impact on any department in a different faculty
<b>AdditionalTeachingSpace</b> We do not anticipate a significant surge in numbers. There should be no additional demand on resources	<b>AdditionalTeachingSpace</b> We do not anticipate a significant surge in numbers. There should be no additional demand on resources
<b>EffectonTeachingLoads</b> There will be no impact on existing teaching loads. This is not a new course	<b>EffectonTeachingLoads</b> There will be no impact on existing teaching loads. This is not a new course
<b>EffectonServices</b> No additional resources will be needed	<b>EffectonServices</b> No additional resources will be needed
<b>DirectinkindSupport</b> This course never needed, nor will it need, any	<b>DirectinkindSupport</b> This course never needed, nor will it need, any

additional outside support

additional outside support

5.	New Version of a Course	Geography 3471 - Environmental Assessment and Management
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### Course Details

CURRENT VERSION	PROPOSED VERSION
Geography 3471 - Environmental Assessment and Management <b>Start Term:</b> Fall 2014 <b>End Term:</b> No Specified End Date	Geography 3471 - Environmental Assessment and Management <b>Start Term:</b> <del>Fall 2014</del> 2016-17 <b>End Term:</b> No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
<b>Code</b> Geography 3471	<b>Code</b> Geography 3471
<b>Title</b> Environmental Assessment and Management	<b>Title</b> Environmental Assessment and Management
<b>Description</b> An examination of the basic principles of biophysical and socio-economic impact assessment and how these are integrated into environmental management policies. Particular attention will be paid to environmental management systems.	<b>Description</b> An examination of the basic principles of biophysical and socio-economic impact assessment and how these are integrated into environmental management policies. Particular attention will be paid to environmental management systems.
<b>End Term</b> No Specified End Date	<b>End Term</b> No Specified End Date
<b>Institution</b> Lakehead University	<b>Institution</b> Lakehead University
<b>Faculty</b> Faculty of Science and Environmental Studies	<b>Faculty</b> Faculty of Science and Environmental Studies
<b>CreditWeight</b> 0.5	<b>CreditWeight</b> 0.5
<b>Rationale</b> Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly. We have added a formal prerequisite to this course (3471) to standardize this with other Department course offerings at Third year. Removal of note that	<b>Rationale</b> <del>Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly. We have added a formal prerequisite to this course (3471) to standardize this with other Department course offerings at Third year. Removal of note that</del>

no longer applies as this course can be offered both on campus or via CEDL.	<del>no longer applies as this course can be offered both on campus or via CEDL.</del> Due to the ICR requirement campus wide the Geography department decided to create it's own ICR course by splitting GEOG / ENST 1120/1140 and creating GEOG / ENST 1150, 1170, 1190 - students in Geography are now required to take 1170 as the prerequisite for upper year courses and 1190 to met the ICR requirement. Thus, both courses are still required as was the case with 1120 and 1140 but simply for different reasons.
<b>Requiredor Elective</b>	<b>Requiredor Elective</b>
<b>Cross List</b> Environmental Studies 3471	<b>Cross List</b> Environmental Studies 3471
<b>Offering</b> 3-0; or 3-0	<b>Offering</b> 3-0; or 3-0
<b>Prerequisites</b> Geography 1120 or 1140 or permission of the Chair of the Department of Geography and the Environment	<b>Prerequisites</b> Geography  <del>-1120</del>  1150 or  <del>-1140</del>  1170 or permission of the Chair of the Department of Geography and the Environment
<b>Corequisites</b>	<b>Corequisites</b>
<b>Notes</b>	<b>Notes</b>
<b>SpecialTopicDropdown</b>	<b>SpecialTopicDropdown</b>
<b>GradeSchemePF</b>	<b>GradeSchemePF</b>
<b>EffectonEnrolmentINIT</b> General housekeeping to standard prerequisite with other third year Geography courses. No expected change to enrolment.	<del>General housekeeping to standard prerequisite with other third year Geography courses. No expected change to enrolment.</del> NO
<b>EffectonEnrolmentOTHER</b> General housekeeping to standard prerequisite with other third year Geography courses. No expected change to enrolment.	<del>General housekeeping to standard prerequisite with other third year Geography courses. No expected change to enrolment.</del> NO
<b>AdditionalTeachingSpace</b>	<b>AdditionalTeachingSpace</b>



None needed - prerequisite update only	None needed - prerequisite update only
<b>EffectonTeachingLoads</b> No effect - course is offered on a rotational basis.	<b>EffectonTeachingLoads</b> No effect - course is offered on a rotational basis.
<b>EffectonServices</b> No - prerequisite update only	<b>EffectonServices</b> No - prerequisite update only
<b>DirectinkindSupport</b> No - prerequisite update only	<b>DirectinkindSupport</b> No - prerequisite update only

6.	New Version of a Course	Geography 3631 - Geography of Canada
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### Course Details

CURRENT VERSION	PROPOSED VERSION
Geography 3631 - Geography of Canada <b>Start Term:</b> Fall 2014 <b>End Term:</b> No Specified End Date	Geography 3631 - Geography of Canada <b>Start Term:</b> <del>Fall 2014</del> 2016-17 <b>End Term:</b> No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
<b>Code</b> Geography 3631	<b>Code</b> Geography 3631
<b>Title</b> Geography of Canada	<b>Title</b> Geography of Canada
<b>Description</b> Regional geography of Canada with an emphasis on physical setting of regions, spatial patterns of economic activities and urbanization, core-periphery relationships between and within regions, and national and regional impacts of global economic restructuring.	<b>Description</b> Regional geography of Canada with an emphasis on physical setting of regions, spatial patterns of economic activities and urbanization, core-periphery relationships between and within regions, and national and regional impacts of global economic restructuring.
<b>End Term</b> No Specified End Date	<b>End Term</b> No Specified End Date
<b>Institution</b> Lakehead University	<b>Institution</b> Lakehead University
<b>Faculty</b> Faculty of Science and Environmental Studies	<b>Faculty</b> Faculty of Science and Environmental Studies
<b>CreditWeight</b> 0.5	<b>CreditWeight</b> 0.5
<b>Rationale</b> Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly. Entry clean up - removal of note that no longer applies.	<b>Rationale</b> <del>Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly. Entry clean up – removal of note that no longer applies.</del> Due to the ICR requirement campus wide the Geography department decided to create it's

	<i>own ICR course by splitting GEOG / ENST 1120/1140 and creating GEOG / ENST 1150, 1170, 1190 - students in Geography are now required to take 1170 as the prerequisite for upper year courses and 1190 to met the ICR requirement. Thus, both courses are still required as was the case with 1120 and 1140 but simply for different reasons.</i>
<b>Requiredor Elective</b>	<b>Requiredor Elective</b>
<b>Cross List</b>	<b>Cross List</b>
<b>Offering</b> 3-0; or 3-0	<b>Offering</b> 3-0; or 3-0
<b>Prerequisites</b> Geography 1120 or 1140 or permission of the Chair of the Department of Geography and the Environment	<b>Prerequisites</b> Geography  <del>1120</del>  1150 or  <del>1140</del>  1170 or permission of the Chair of the Department of Geography and the Environment
<b>Corequisites</b>	<b>Corequisites</b>
<b>Notes</b> Open only to students in the third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.	<b>Notes</b> Open only to students in the third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.
<b>SpecialTopicDropdown</b>	<b>SpecialTopicDropdown</b>
<b>GradeSchemePF</b>	<b>GradeSchemePF</b>
<b>EffectonEnrolmentINIT</b> No - prerequisite update only	<b>EffectonEnrolmentINIT</b> No - prerequisite update only
<b>EffectonEnrolmentOTHER</b> No - prerequisite update only	<b>EffectonEnrolmentOTHER</b> No - prerequisite update only
<b>AdditionalTeachingSpace</b> No - prerequisite update only	<b>AdditionalTeachingSpace</b> No - prerequisite update only
<b>EffectonTeachingLoads</b>	<b>EffectonTeachingLoads</b> No - prerequisite update only

No - prerequisite update only	
<b>EffectonServices</b> No - prerequisite update only	<b>EffectonServices</b> No - prerequisite update only
<b>DirectinkindSupport</b> No - prerequisite update only	<b>DirectinkindSupport</b> No - prerequisite update only

### Prerequisites

CURRENT VERSION			PROPOSED VERSION		
R1: ... All Course(s) from the following...			R1: ... All Course(s) from the following...		
<b>Code</b>	<b>Title</b>	<b>Credits</b>	<b>Code</b>	<b>Title</b>	<b>Credits</b>
Geography 1120	Environmental Issues: A Geographical Approach		Geography 1120	Environmental Issues: A Geographical Approach	

7.	New Version of a Course	Geography 3633 - Geography of the Lake Superior Basin
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### Course Details

CURRENT VERSION	PROPOSED VERSION
Geography 3633 - Geography of the Lake Superior Basin <b>Start Term:</b> Fall 2014 <b>End Term:</b> No Specified End Date	Geography 3633 - Geography of the Lake Superior Basin <b>Start Term:</b> <del>Fall 2014</del> 2016-17 <b>End Term:</b> No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
<b>Code</b> Geography 3633	<b>Code</b> Geography 3633
<b>Title</b> Geography of the Lake Superior Basin	<b>Title</b> Geography of the Lake Superior Basin
<b>Description</b> An examination of early formation and glacial features of Lake Superior, travel and commerce, and more recent development based on various resources. Topics in the final weeks focus on recent and current economic developments and issues such as environmental regulation and parkland management.	<b>Description</b> An examination of early formation and glacial features of Lake Superior, travel and commerce, and more recent development based on various resources. Topics in the final weeks focus on recent and current economic developments and issues such as environmental regulation and parkland management.
<b>End Term</b> No Specified End Date	<b>End Term</b> No Specified End Date
<b>Institution</b> Lakehead University	<b>Institution</b> Lakehead University
<b>Faculty</b> Faculty of Science and Environmental Studies	<b>Faculty</b> Faculty of Science and Environmental Studies
<b>CreditWeight</b> 0.5	<b>CreditWeight</b> 0.5
<b>Rationale</b> Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly.	<b>Rationale</b> <del>Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly</del> <i>Due to the ICR requirement campus wide the Geography</i>

	<i>department decided to create it's own ICR course by splitting GEOG / ENST 1120/1140 and creating GEOG / ENST 1150, 1170, 1190 - students in Geography are now required to take 1170 as the prerequisite for upper year courses and 1190 to met the ICR requirement. Thus, both courses are still required as was the case with 1120 and 1140 but simply for different reasons.</i>
<b>Requiredor Elective</b>	<b>Requiredor Elective</b>
<b>Cross List</b>	<b>Cross List</b>
<b>Offering</b> 3-0; or 3-0	<b>Offering</b> 3-0; or 3-0
<b>Prerequisites</b> Geography 1120 or 1140 or permission of the Chair of the Department of Geography and the Environment	<b>Prerequisites</b> Geography  <del>1120</del>  1150 or  <del>1140</del>  1170 or permission of the Chair of the Department of Geography and the Environment
<b>Corequisites</b>	<b>Corequisites</b>
<b>Notes</b> Open only to students in the third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.	<b>Notes</b> Open only to students in the third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.
<b>SpecialTopicDropdown</b>	<b>SpecialTopicDropdown</b>
<b>GradeSchemePF</b>	<b>GradeSchemePF</b>
<b>EffectonEnrolmentINIT</b> No - prerequisite update and housekeeping changes only	<b>EffectonEnrolmentINIT</b> No - prerequisite update and housekeeping changes only
<b>EffectonEnrolmentOTHER</b> No - prerequisite update and housekeeping changes only	<b>EffectonEnrolmentOTHER</b> No - prerequisite update and housekeeping changes only
<b>AdditionalTeachingSpace</b> No - prerequisite update and housekeeping changes	<b>AdditionalTeachingSpace</b> No - prerequisite update and housekeeping changes only

only	
<b>EffectonTeachingLoads</b> No - prerequisite update and housekeeping changes only	<b>EffectonTeachingLoads</b> No - prerequisite update and housekeeping changes only
<b>EffectonServices</b> No - prerequisite and housekeeping changes only	<b>EffectonServices</b> No - prerequisite and housekeeping changes only
<b>DirectinkindSupport</b> No - prerequisite update and housekeeping changes only	<b>DirectinkindSupport</b> No - prerequisite update and housekeeping changes only

### Prerequisites

CURRENT VERSION			PROPOSED VERSION		
R1: ... All Course(s) from the following...			R1: ... All Course(s) from the following...		
<b>Code</b>	<b>Title</b>	<b>Credits</b>	<b>Code</b>	<b>Title</b>	<b>Credits</b>
Geography 1120	Environmental Issues: A Geographical Approach		Geography 1120	Environmental Issues: A Geographical Approach	

8.	New Version of a Course	Geography 3693 - Geography of Northern Europe
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### Course Details

CURRENT VERSION	PROPOSED VERSION
Geography 3693 - Geography of Northern Europe <b>Start Term:</b> Fall 2014 <b>End Term:</b> No Specified End Date	Geography 3693 - Geography of Northern Europe <b>Start Term:</b> <del>Fall 2014</del> 2016-17 <b>End Term:</b> No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
<b>Code</b> Geography 3693	<b>Code</b> Geography 3693
<b>Title</b> Geography of Northern Europe	<b>Title</b> Geography of Northern Europe
<b>Description</b> A systematic regional survey to gain an appreciation of regional cultural diversity, history, politics and economy of the Northern European cultural region. Broad course topics will be introduced in lectures while assigned readings will allow for more detailed regional case studies. Case studies will include specific regional issues as well as any relevant and current news-related topics.	<b>Description</b> A systematic regional survey to gain an appreciation of regional cultural diversity, history, politics and economy of the Northern European cultural region. Broad course topics will be introduced in lectures while assigned readings will allow for more detailed regional case studies. Case studies will include specific regional issues as well as any relevant and current news-related topics.
<b>End Term</b> No Specified End Date	<b>End Term</b> No Specified End Date
<b>Institution</b> Lakehead University	<b>Institution</b> Lakehead University
<b>Faculty</b> Faculty of Science and Environmental Studies	<b>Faculty</b> Faculty of Science and Environmental Studies
<b>CreditWeight</b> 0.5	<b>CreditWeight</b> 0.5
<b>Rationale</b> Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly.	<b>Rationale</b> <del>Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly.</del> Updating the prerequisite to reflect the



	<i>changes made to the first year courses by Geography.</i>
<b>Requiredor Elective</b>	<b>Requiredor Elective</b>
<b>Cross List</b>	<b>Cross List</b>
<b>Offering</b> 3-0; or 3-0	<b>Offering</b> 3-0; or 3-0
<b>Prerequisites</b> Geography 1120 or 1140 or permission of the Chair of the Department of Geography and the Environment	<b>Prerequisites</b> Geography  <del>1120</del>  1150 or  <del>1140</del>  1170 or permission of the Chair of the Department of Geography and the Environment
<b>Corequisites</b>	<b>Corequisites</b>
<b>Notes</b> Open only to students in the third or fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.	<b>Notes</b> Open only to students in the third or fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.
<b>SpecialTopicDropdown</b>	<b>SpecialTopicDropdown</b>
<b>GradeSchemePF</b>	<b>GradeSchemePF</b>
<b>EffectonEnrolmentINIT</b> No - prerequisite update only	<b>EffectonEnrolmentINIT</b> No - prerequisite update only
<b>EffectonEnrolmentOTHER</b> No - prerequisite update only	<b>EffectonEnrolmentOTHER</b> No - prerequisite update only
<b>AdditionalTeachingSpace</b> No - prerequisite update only	<b>AdditionalTeachingSpace</b> No - prerequisite update only
<b>EffectonTeachingLoads</b> No - prerequisite update only	<b>EffectonTeachingLoads</b> No - prerequisite update only
<b>EffectonServices</b> No - prerequisite update only	<b>EffectonServices</b> No - prerequisite update only

<b>DirectkindSupport</b> No - prerequisite update only	<b>DirectkindSupport</b> No - prerequisite update only
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### Prerequisites

CURRENT VERSION			PROPOSED VERSION		
R1: ... All Course(s) from the following...			R1: ... All Course(s) from the following...		
Code	Title	Credits	Code	Title	Credits
Geography 1120	Environmental Issues: A Geographical Approach		Geography 1120	Environmental Issues: A Geographical Approach	

9.	New Version of a Course	Geography 3911 - Special Topic in Geography: Half Year
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### Course Details

CURRENT VERSION	PROPOSED VERSION
Geography 3911 - Special Topic in Geography: Half Year <b>Start Term:</b> Fall 2014 <b>End Term:</b> No Specified End Date	Geography 3911 - Special Topic in Geography: Half Year <b>Start Term:</b> <del>Fall 2014</del> 2016-17 <b>End Term:</b> No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
<b>Code</b> Geography 3911	<b>Code</b> Geography 3911
<b>Title</b> Special Topic in Geography: Half Year	<b>Title</b> Special Topic in Geography: Half Year
<b>Description</b> Half course in a specially-chosen field of geographical interest.	<b>Description</b> Half course in a specially-chosen field of geographical interest.
<b>End Term</b> No Specified End Date	<b>End Term</b> No Specified End Date
<b>Institution</b> Lakehead University	<b>Institution</b> Lakehead University
<b>Faculty</b> Faculty of Science and Environmental Studies	<b>Faculty</b> Faculty of Science and Environmental Studies
<b>CreditWeight</b> 0.5	<b>CreditWeight</b> 0.5
<b>Rationale</b> This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly. A listing of those Geography courses for which only the Geography 1140 will serve as a permissible prerequisite is provided. These courses are those specifically targeted towards honours Geography degree program students and are not intended for students from other disciplines.	<b>Rationale</b> <del>This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly. A listing of those Geography courses for which only the Geography 1140 will serve as a permissible prerequisite is provided. These courses are those specifically targeted towards honours Geography degree program students and are not intended for students from other disciplines.</del> Due to the ICR requirement campus wide the Geography department decided to create it's own ICR course by splitting GEOG / ENST 1120/1140 and creating GEOG / ENST 1150, 1170, 1190 - students in Geography are now required to take 1170 as the prerequisite for upper year courses and 1190 to met the ICR requirement. Thus, both courses are still required as was the case with 1120 and 1140 but

	<i>simply for different reasons.</i>
<b>Requiredor Elective</b>	<b>Requiredor Elective</b>
<b>Cross List</b>	<b>Cross List</b>
<b>Offering</b>	<b>Offering</b>
<b>Prerequisites</b> Geography 1120 or 1140 or permission of the Chair of the Department of Geography and the Environment	<b>Prerequisites</b> Geography <del>-1120</del> 1150 or <del>-1140</del> 1170 or permission of the Chair of the Department of Geography and the Environment
<b>Corequisites</b>	<b>Corequisites</b>
<b>Notes</b> Open only to students in the third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.	<b>Notes</b> Open only to students in the third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.
<b>SpecialTopicDropdown</b> Yes	<b>SpecialTopicDropdown</b> Yes
<b>GradeSchemePF</b>	<b>GradeSchemePF</b>
<b>EffectonEnrolmentINIT</b> NO - prerequisite update only	<b>EffectonEnrolmentINIT</b> NO - prerequisite update only
<b>EffectonEnrolmentOTHER</b> NO - prerequisite update only	<b>EffectonEnrolmentOTHER</b> NO - prerequisite update only
<b>AdditionalTeachingSpace</b> NO - prerequisite update only	<b>AdditionalTeachingSpace</b> NO - prerequisite update only
<b>EffectonTeachingLoads</b> NO - prerequisite update only	<b>EffectonTeachingLoads</b> NO - prerequisite update only
<b>EffectonServices</b> NO - prerequisite update only	<b>EffectonServices</b> NO - prerequisite update only

**DirectkindSupport**  
NO - prerequisite update only

**DirectkindSupport**  
NO - prerequisite update only

10.	New Version of a Course	Geography 4411 - Water Resources Management
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### Course Details

CURRENT VERSION	PROPOSED VERSION
Geography 4411 - Water Resources Management <b>Start Term:</b> Fall 2014 <b>End Term:</b> No Specified End Date	Geography 4411 - Water Resources Management <b>Start Term:</b> <del>Fall 2014</del> 2016-17 <b>End Term:</b> No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
<b>Code</b> Geography 4411	<b>Code</b> Geography 4411
<b>Title</b> Water Resources Management	<b>Title</b> Water Resources Management
<b>Description</b> Geographical aspects of physical water resources and human control systems will be studied. Emphasis will be placed on complex management challenges, derived from the interaction between the water cycle and human control agencies. Major themes include water supply, water quality, hydropower and flood control; each of which will be examined across a range of scales, technologies and societies.	<b>Description</b> Geographical aspects of physical water resources and human control systems will be studied. Emphasis will be placed on complex management challenges, derived from the interaction between the water cycle and human control agencies. Major themes include water supply, water quality, hydropower and flood control; each of which will be examined across a range of scales, technologies and societies.
<b>End Term</b> No Specified End Date	<b>End Term</b> No Specified End Date
<b>Institution</b> Lakehead University	<b>Institution</b> Lakehead University
<b>Faculty</b> Faculty of Science and Environmental Studies	<b>Faculty</b> Faculty of Science and Environmental Studies
<b>CreditWeight</b> 0.5	<b>CreditWeight</b> 0.5
<b>Rationale</b> Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly.	<b>Rationale</b> <del>Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly</del> <i>Due to the ICR requirement campus wide the Geography</i>

	<i>department decided to create it's own ICR course by splitting GEOG / ENST 1120/1140 and creating GEOG / ENST 1150, 1170, 1190 - students in Geography are now required to take 1170 as the prerequisite for upper year courses and 1190 to met the ICR requirement. Thus, both courses are still required as was the case with 1120 and 1140 but simply for different reasons.</i>
<b>Requiredor Elective</b>	<b>Requiredor Elective</b>
<b>Cross List</b> Environmental Studies 4411	<b>Cross List</b> Environmental Studies 4411
<b>Offering</b> 3-0; or 3-0	<b>Offering</b> 3-0; or 3-0
<b>Prerequisites</b> Geography 1120 or 1140 or permission of the Chair of the Department of Geography and the Environment	<b>Prerequisites</b> Geography  <del>1120</del>  1150 or  <del>1140</del>  1170 or permission of the Chair of the Department of Geography and the Environment
<b>Corequisites</b>	<b>Corequisites</b>
<b>Notes</b> Open only to students in the third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.	<b>Notes</b> Open only to students in the third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.
<b>SpecialTopicDropdown</b>	<b>SpecialTopicDropdown</b>
<b>GradeSchemePF</b>	<b>GradeSchemePF</b>
<b>EffectonEnrolmentINIT</b> No - prerequisite update & entry clean up	<b>EffectonEnrolmentINIT</b> No - prerequisite update & entry clean up
<b>EffectonEnrolmentOTHER</b> No - prerequisite update & entry clean up	<b>EffectonEnrolmentOTHER</b> No - prerequisite update & entry clean up
<b>AdditionalTeachingSpace</b> No -prerequisite update and entry clean up	<b>AdditionalTeachingSpace</b> No -prerequisite update and entry clean up
<b>EffectonTeachingLoads</b>	<b>EffectonTeachingLoads</b>

No - prerequisite update and entry clean up	No - prerequisite update and entry clean up
<b>EffectonServices</b> No - prerequisite update and entry clean up	<b>EffectonServices</b> No - prerequisite update and entry clean up
<b>DirectinkindSupport</b> No - prerequisite update and entry clean up	<b>DirectinkindSupport</b> No - prerequisite update and entry clean up

### Prerequisites

CURRENT VERSION			PROPOSED VERSION		
R1: ... All Course(s) from the following...			R1: ... All Course(s) from the following...		
<b>Code</b>	<b>Title</b>	<b>Credits</b>	<b>Code</b>	<b>Title</b>	<b>Credits</b>
Geography 1120	Environmental Issues: A Geographical Approach		Geography 1120	Environmental Issues: A Geographical Approach	



11.	New Version of a Course	Geography 4431 - Conservation Geography
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### Course Details

CURRENT VERSION	PROPOSED VERSION
Geography 4431 - Conservation Geography <b>Start Term:</b> Fall 2014 <b>End Term:</b> No Specified End Date	Geography 4431 - Conservation Geography <b>Start Term:</b> <del>Fall 2014</del> 2016-17 <b>End Term:</b> No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
<b>Code</b> Geography 4431	<b>Code</b> Geography 4431
<b>Title</b> Conservation Geography	<b>Title</b> Conservation Geography
<b>Description</b> Topics covered will include the history of conservation as embedded in different cultures. A major focus of the course is the examination of national and international case studies to explore the complex relationships between biological conservation, culture and economic development.	<b>Description</b> Topics covered will include the history of conservation as embedded in different cultures. A major focus of the course is the examination of national and international case studies to explore the complex relationships between biological conservation, culture and economic development.
<b>End Term</b> No Specified End Date	<b>End Term</b> No Specified End Date
<b>Institution</b> Lakehead University	<b>Institution</b> Lakehead University
<b>Faculty</b> Faculty of Science and Environmental Studies	<b>Faculty</b> Faculty of Science and Environmental Studies
<b>CreditWeight</b> 0.5	<b>CreditWeight</b> 0.5
<b>Rationale</b> Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly.	<b>Rationale</b> <del>Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly</del> Due to the ICR requirement campus wide the Geography department decided to create it's own ICR course by splitting GEOG / ENST 1120/1140 and creating

	<i>GEOG / ENST 1150, 1170, 1190 - students in Geography are now required to take 1170 as the prerequisite for upper year courses and 1190 to met the ICR requirement. Thus, both courses are still required as was the case with 1120 and 1140 but simply for different reasons.</i>
<b>Requiredor Elective</b>	<b>Requiredor Elective</b>
<b>Cross List</b> Environmental Studies 4431	<b>Cross List</b> Environmental Studies 4431
<b>Offering</b> 3-0; or 3-0	<b>Offering</b> 3-0; or 3-0
<b>Prerequisites</b> Geography 1120 or 1140 or permission of the Chair of the Department of Geography and the Environment	<b>Prerequisites</b> Geography  <del>1120</del>  1150 or  <del>1140</del>  1170 or permission of the Chair of the Department of Geography and the Environment
<b>Corequisites</b>	<b>Corequisites</b>
<b>Notes</b> Open only to students in third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.	<b>Notes</b> Open only to students in third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.
<b>SpecialTopicDropdown</b>	<b>SpecialTopicDropdown</b>
<b>GradeSchemePF</b>	<b>GradeSchemePF</b>
<b>EffectonEnrolmentINIT</b> No - prerequisite update and entry clean up	<b>EffectonEnrolmentINIT</b> No - prerequisite update and entry clean up
<b>EffectonEnrolmentOTHER</b> No - prerequisite update and entry clean up	<b>EffectonEnrolmentOTHER</b> No - prerequisite update and entry clean up
<b>AdditionalTeachingSpace</b> No - prerequisite update and entry clean up	<b>AdditionalTeachingSpace</b> No - prerequisite update and entry clean up
<b>EffectonTeachingLoads</b> No - prerequisite update and entry clean up	<b>EffectonTeachingLoads</b> No - prerequisite update and entry clean up

<b>EffectonServices</b> No - prerequisite update and entry clean up	<b>EffectonServices</b> No - prerequisite update and entry clean up
<b>DirectinkindSupport</b> No - prerequisite update and entry clean up	<b>DirectinkindSupport</b> No - prerequisite update and entry clean up

### Prerequisites

CURRENT VERSION			PROPOSED VERSION		
R1: ... All Course(s) from the following...			R1: ... All Course(s) from the following...		
<b>Code</b>	<b>Title</b>	<b>Credits</b>	<b>Code</b>	<b>Title</b>	<b>Credits</b>
Geography 1120	Environmental Issues: A Geographical Approach		Geography 1120	Environmental Issues: A Geographical Approach	

12.	New Version of a Course	Geography 4451 - Geography of Risk and Hazard
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### Course Details

CURRENT VERSION	PROPOSED VERSION
Geography 4451 - Geography of Risk and Hazard <b>Start Term:</b> Fall 2014 <b>End Term:</b> No Specified End Date	Geography 4451 - Geography of Risk and Hazard <b>Start Term:</b> <del>Fall 2014</del> 2016-17 <b>End Term:</b> No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
<b>Code</b> Geography 4451	<b>Code</b> Geography 4451
<b>Title</b> Geography of Risk and Hazard	<b>Title</b> Geography of Risk and Hazard
<b>Description</b> An examination of the geographic theories, constructs, frameworks and methods used in the study of risk and hazard. Emphasis is placed upon human-environment interaction in environmental and technological hazards.	<b>Description</b> An examination of the geographic theories, constructs, frameworks and methods used in the study of risk and hazard. Emphasis is placed upon human-environment interaction in environmental and technological hazards.
<b>End Term</b> No Specified End Date	<b>End Term</b> No Specified End Date
<b>Institution</b> Lakehead University	<b>Institution</b> Lakehead University
<b>Faculty</b> Faculty of Science and Environmental Studies	<b>Faculty</b> Faculty of Science and Environmental Studies
<b>CreditWeight</b> 0.5	<b>CreditWeight</b> 0.5
<b>Rationale</b> Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly. The dropping of Geography 2251 is a housekeeping change (ie most of fourth year Geography had been changed in the last few years). The adding of Geography 1120 (together with Geography 1140) as	<b>Rationale</b> <del>Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly. The dropping of Geography 2251 is a housekeeping change (ie most of fourth year Geography had been changed in the last few years). The adding of Geography 1120 (together with Geography 1140) as</del>

<p>a prerequisite will allow the course to better taken by both Geography and non-Geography third and fourth year students. Removal of the Geography 2251 should increase enrolment as well.</p>	<p><del>a prerequisite will allow the course to better taken by both Geography and non-Geography third and fourth year students. Removal of the Geography 2251 should increase enrolment as well.</del> Due to the ICR requirement campus wide the Geography department decided to create it's own ICR course by splitting GEOG / ENST 1120/1140 and creating GEOG / ENST 1150, 1170, 1190 - students in Geography are now required to take 1170 as the prerequisite for upper year courses and 1190 to met the ICR requirement. Thus, both courses are still required as was the case with 1120 and 1140 but simply for different reasons.</p>
<p><b>Requiredor Elective</b></p>	<p><b>Requiredor Elective</b></p>
<p><b>Cross List</b> Environmental Studies 4451</p>	<p><b>Cross List</b> Environmental Studies 4451</p>
<p><b>Offering</b> 3-0; or 3-0</p>	<p><b>Offering</b> 3-0; or 3-0</p>
<p><b>Prerequisites</b> Geography 1120 or 1140 or permission of the Chair of the Department of Geography and the Environment</p>	<p><b>Prerequisites</b> Geography  <del>-1120</del>  1150 or  <del>-1140</del>  1170 or permission of the Chair of the Department of Geography and the Environment</p>
<p><b>Corequisites</b></p>	<p><b>Corequisites</b></p>
<p><b>Notes</b> Open only to students in third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.</p>	<p><b>Notes</b> Open only to students in third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.</p>
<p><b>SpecialTopicDropdown</b></p>	<p><b>SpecialTopicDropdown</b></p>
<p><b>GradeSchemePF</b></p>	<p><b>GradeSchemePF</b></p>
<p><b>EffectonEnrolmentINIT</b> Prerequisite update and entry clean up could potentially increase enrolment (ie. the prerequisites are less restrictive than previous).</p>	<p><b>EffectonEnrolmentINIT</b> <del>Prerequisite update and entry clean up could potentially increase enrolment (ie. the prerequisites are less restrictive than previous).</del> No</p>
<p><b>EffectonEnrolmentOTHER</b></p>	<p><b>EffectonEnrolmentOTHER</b></p>

Prerequisite update and entry clean up could potentially increase enrolment (ie. the prerequisites are less restrictive than previous).	<del>Prerequisite update and entry clean up could potentially increase enrolment (ie. the prerequisites are less restrictive than previous).</del> No
<b>AdditionalTeachingSpace</b> None - prerequisite update and entry clean up	<b>AdditionalTeachingSpace</b> None - prerequisite update and entry clean up
<b>EffectonTeachingLoads</b> No effect. Part of offerings of a regular faculty member.	<b>EffectonTeachingLoads</b> No effect. Part of offerings of a regular faculty member.
<b>EffectonServices</b> None needed.	<b>EffectonServices</b> None needed.
<b>DirectkindSupport</b> None needed.	<b>DirectkindSupport</b> None needed.

### Prerequisites

CURRENT VERSION			PROPOSED VERSION		
R1: ... All Course(s) from the following...			R1: ... All Course(s) from the following...		
<b>Code</b>	<b>Title</b>	<b>Credits</b>	<b>Code</b>	<b>Title</b>	<b>Credits</b>
Geography 2251	Geographical Inquiry and Interpretation		Geography 2251	Geographical Inquiry and Interpretation	

13.	New Version of a Course	Geography 4771 - Sustainable Communities
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### Course Details

CURRENT VERSION	PROPOSED VERSION
Geography 4771 - Sustainable Communities <b>Start Term:</b> Fall 2014 <b>End Term:</b> No Specified End Date	Geography 4771 - Sustainable Communities <b>Start Term:</b> <del>Fall 2014</del> 2016-17 <b>End Term:</b> No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
<b>Code</b> Geography 4771	<b>Code</b> Geography 4771
<b>Title</b> Sustainable Communities	<b>Title</b> Sustainable Communities
<b>Description</b> A review of current literature and practical applications relating to concept of sustainable community planning, with specific reference to neighbourhood design, transportation systems, land use zoning, water and energy usage, and agriculture. The measurement of urban sustainability and the sustainability of human activities at regional and city scales are also considered.	<b>Description</b> A review of current literature and practical applications relating to concept of sustainable community planning, with specific reference to neighbourhood design, transportation systems, land use zoning, water and energy usage, and agriculture. The measurement of urban sustainability and the sustainability of human activities at regional and city scales are also considered.
<b>End Term</b> No Specified End Date	<b>End Term</b> No Specified End Date
<b>Institution</b> Lakehead University	<b>Institution</b> Lakehead University
<b>Faculty</b> Faculty of Science and Environmental Studies	<b>Faculty</b> Faculty of Science and Environmental Studies
<b>CreditWeight</b> 0.5	<b>CreditWeight</b> 0.5
<b>Rationale</b> Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly. The dropping of Geography 3731 is a housekeeping	<b>Rationale</b> <del>Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly. The dropping of Geography 3731 is a housekeeping</del>

<p>change (ie most of fourth year Geography had been changed in the last few years). The adding of Geography 1120 (together with Geography 1140) as a prerequisite will allow the course to better taken by both Geography and non-Geography third and fourth year students. Removal of the Geography 3731 should increase enrolment as well as the instructor had noticed this as a potential registration barrier over the past couple of years.</p>	<p><del>change (ie most of fourth year Geography had been changed in the last few years). The adding of Geography 1120 (together with Geography 1140) as a prerequisite will allow the course to better taken by both Geography and non-Geography third and fourth year students. Removal of the Geography 3731 should increase enrolment as well as the instructor had noticed this as a potential registration barrier over the past couple of years.</del> Due to the ICR requirement campus wide the Geography department decided to create it's own ICR course by splitting GEOG / ENST 1120/1140 and creating GEOG / ENST 1150, 1170, 1190 - students in Geography are now required to take 1170 as the prerequisite for upper year courses and 1190 to met the ICR requirement. Thus, both courses are still required as was the case with 1120 and 1140 but simply for different reasons.</p>
<b>Requiredor Elective</b>	<b>Requiredor Elective</b>
<b>Cross List</b>	<b>Cross List</b>
<b>Offering</b> 3-0; or 3-0	<b>Offering</b> 3-0; or 3-0
<b>Prerequisites</b> Geography 1120 or 1140 or permission of the Chair of the Department of Geography and the Environment	<p><b>Prerequisites</b></p> <p>Geography</p> <p><del>1120</del></p> <p>1150 or</p> <p><del>1140</del></p> <p>1170 or permission of the Chair of the Department of Geography and the Environment</p>
<b>Corequisites</b>	<b>Corequisites</b>
<b>Notes</b> Open only to students in the third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.	<b>Notes</b> Open only to students in the third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.
<b>SpecialTopicDropdown</b>	<b>SpecialTopicDropdown</b>
<b>GradeSchemePF</b>	<b>GradeSchemePF</b>
<b>EffectonEnrolmentINIT</b> Removing the third year prerequisite (and replacing it	<b>EffectonEnrolmentINIT</b> <del>Removing the third year prerequisite (and replacing it</del>



with a first year one) will increase enrolment in the course and make it more accessible to both Geography and non-Geography majors, including but not limited to students in Outdoor Recreation, Parks and Tourism and Engineering programs -- these student groups have taken the course in the past with permission of the instructor.	<del>with a first year one) will increase enrolment in the course and make it more accessible to both Geography and non-Geography majors, including but not limited to students in Outdoor Recreation, Parks and Tourism and Engineering programs -- these student groups have taken the course in the past with permission of the instructor.</del> <i>No</i>
<b>EffectonEnrolmentOTHER</b> Course should be more accessible to non-Geography majors with the proposed changes to the prerequisites, including but not limited to OPRT and Engineering students.	<del><b>EffectonEnrolmentOTHER</b> Course should be more accessible to non-Geography majors with the proposed changes to the prerequisites, including but not limited to OPRT and Engineering students.</del> <i>No</i>
<b>AdditionalTeachingSpace</b> No - prerequisite update and entry clean up	<b>AdditionalTeachingSpace</b> No - prerequisite update and entry clean up
<b>EffectonTeachingLoads</b> No change. Part of load for regular faculty member.	<b>EffectonTeachingLoads</b> No change. Part of load for regular faculty member.
<b>EffectonServices</b> No - prerequisite update and entry clean up	<b>EffectonServices</b> No - prerequisite update and entry clean up
<b>DirectinkindSupport</b> No - prerequisite update and entry clean up	<b>DirectinkindSupport</b> No - prerequisite update and entry clean up

14.	New Version of a Course	Geography 4831 - Indigenous Geographies of Mountain Areas
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### Course Details

CURRENT VERSION	PROPOSED VERSION
Geography 4831 - Indigenous Geographies of Mountain Areas <b>Start Term:</b> Fall 2014 <b>End Term:</b> No Specified End Date	Geography 4831 - Indigenous Geographies of Mountain Areas <b>Start Term:</b> <del>Fall 2014</del> 2016-17 <b>End Term:</b> No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
<b>Code</b> Geography 4831	<b>Code</b> Geography 4831
<b>Title</b> Indigenous Geographies of Mountain Areas	<b>Title</b> Indigenous Geographies of Mountain Areas
<b>Description</b> Theory and practice in the ethnoscience of mountain peoples: especially ethnogeographic aspects of mountain botany, zoology, ecology and cartography. Students will work on case studies in consultation with the instructor and with indigenous groups and scholars in other parts of the world.	<b>Description</b> Theory and practice in the ethnoscience of mountain peoples: especially ethnogeographic aspects of mountain botany, zoology, ecology and cartography. Students will work on case studies in consultation with the instructor and with indigenous groups and scholars in other parts of the world.
<b>End Term</b> No Specified End Date	<b>End Term</b> No Specified End Date
<b>Institution</b> Lakehead University	<b>Institution</b> Lakehead University
<b>Faculty</b> Faculty of Science and Environmental Studies	<b>Faculty</b> Faculty of Science and Environmental Studies
<b>CreditWeight</b> 0.5	<b>CreditWeight</b> 0.5
<b>Rationale</b> Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly. The dropping of Geography 2251 and 3691 is a housekeeping change (ie most of fourth year	<b>Rationale</b> <del>Last year the Department received approval for a new first year course (Geography 1140) – which added a laboratory component to the first year experience – that is offered to students in honours Geography and Natural Resources Management programs at the Thunder Bay campus only. At that time, there was no updating of prerequisites for courses beyond the first. This proposed Calendar change updates prerequisites for upper year Geography courses, reflecting the introduction of Geography 1140. This is an essential update, to make sure registration for 2014/15 goes smoothly. The dropping of Geography 2251 and 3691 is a housekeeping change (ie most of fourth year</del>

<p>Geography had been changed in the last few years). The adding of Geography 1120 (together with Geography 1140) as a prerequisite will allow the course to better taken by both Geography and non-Geography third and fourth year students. Removal of the Geography 2251 and 3691 should increase enrolment as well.</p>	<p><del>Geography had been changed in the last few years). The adding of Geography 1120 (together with Geography 1140) as a prerequisite will allow the course to better taken by both Geography and non-Geography third and fourth year students. Removal of the Geography 2251 and 3691 should increase enrolment as well.</del> <i>Due to the ICR requirement campus wide the Geography department decided to create it's own ICR course by splitting GEOG / ENST 1120/1140 and creating GEOG / ENST 1150, 1170, 1190 - students in Geography are now required to take 1170 as the prerequisite for upper year courses and 1190 to met the ICR requirement. Thus, both courses are still required as was the case with 1120 and 1140 but simply for different reasons.</i></p>
<b>Requiredor Elective</b>	<b>Requiredor Elective</b>
<b>Cross List</b>	<b>Cross List</b>
<b>Offering</b> 3-0; or 3-0	<b>Offering</b> 3-0; or 3-0
<b>Prerequisites</b> Geography 1120 or 1140 or permission of the Chair of the Department of Geography and the Environment	<p><b>Prerequisites</b></p> <p>Geography</p> <p><del>-1120</del></p> <p><i>1150</i> or</p> <p><del>-1140</del></p> <p><i>1170</i> or permission of the Chair of the Department of Geography and the Environment</p>
<b>Corequisites</b>	<b>Corequisites</b>
<b>Notes</b> Open only to students in the third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.	<b>Notes</b> Open only to students in the third and fourth year of any program except with permission of the Chair of the Department of Geography and the Environment.
<b>SpecialTopicDropdown</b>	<b>SpecialTopicDropdown</b>
<b>GradeSchemePF</b>	<b>GradeSchemePF</b>
<b>EffectonEnrolmentINIT</b> Prerequisite update and entry clean up could potentially increase enrolment (ie. the prerequisites are less restrictive than previous).	<b>EffectonEnrolmentINIT</b> Prerequisite update <del>and entry clean up could potentially increase enrolment (ie. the prerequisites are less restrictive than previous).</del>

<p><b>EffectonEnrolmentOTHER</b> Prerequisite update and entry clean up could potentially increase enrolment (ie. the prerequisites are less restrictive than previous).</p>	<p><b>EffectonEnrolmentOTHER</b> Prerequisite update <del>and entry clean up could potentially increase enrolment (ie. the prerequisites are less restrictive than previous).</del></p>
<p><b>AdditionalTeachingSpace</b> None required.</p>	<p><b>AdditionalTeachingSpace</b> None required.</p>
<p><b>EffectonTeachingLoads</b> No effect on load. Part of course rotations of a regular faculty member.</p>	<p><b>EffectonTeachingLoads</b> No effect on load. Part of course rotations of a regular faculty member.</p>
<p><b>EffectonServices</b> None required.</p>	<p><b>EffectonServices</b> None required.</p>
<p><b>DirectinkindSupport</b> None required.</p>	<p><b>DirectinkindSupport</b> None required.</p>