

Request for Calendar Change Form

Tracking No:
(Senate Secretary's Office
use only)

Date:

To	Secretary of Senate	
From	Name(Dean):	Faculty
	<input type="text" value="Andrew P. Dean"/>	<input type="text" value="Science & Environmental Studies"/>
	Department the change relates to	
	<input type="text" value="Anthropology"/>	
	Contact Person	
	<input type="text" value="Scott Hamilton"/>	

Is the proposed calendar change Undergraduate

Instructions:

1. In all cases please complete and attach section 1 and 2
2. If the calendar change affect other departments/schools/faculties complete and attach section 3
3. If the answer to any of the questions below is yes, explain. Attach separate sheets with reference to the question

- | | | |
|--|--|---|
| 1. Do the proposed changes affect other departments/ schools/faculties in terms of their calendar change? | Yes
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |
| 2. Is a transition plan needed for student in progress? | Yes
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |
| 3. Are the proposed changes likely to affect student enrollment in your department/school/faculty? | Yes
<input checked="" type="checkbox"/> | No
<input type="checkbox"/> |
| 4. Are the proposed changes likely to affect student enrollment in other departments/schools/faculties at Lakehead University? | Yes
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |
| 5. Will the proposed changes require additional teaching space and/or teaching staff and/or equipment and/or other resources? | Yes
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |
| 6 Will the proposed changes affect existing teaching loads within your department/school/faculty? | Yes
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |
| 7. Will the proposed changes increase demand for teaching support services such as the library, computing services and technical staff ? | Yes
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |
| 8. Will the proposed change require direct or in-kind support from outside the academic unit? | Yes
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |
| 9. Do the proposed changes include change in course(s) which is/are required core course(s) for a major? | Yes
<input checked="" type="checkbox"/> | No
<input type="checkbox"/> |
| 10. Do the proposed changes include a change in course which is service/required course(s) in another program? | Yes | No |

11. Do the proposed changes include change in course(s) which is/are open elective available to any student in any program? Yes No

12. Do the proposed changes include change in course(s) which is/are elective in a major i.e. restricted to students in a major? Yes No

Signatures:

Date approved by faculty council

Section 1

Description of the Proposed Calendar Change:

Changes to course titles and descriptions to make them more informative. We also propose the removal of some prerequisites to various courses.

Rationale of the Proposed Calendar Change(s):

(Corresponding to Section 2 where required)

Update course titles and descriptions to more closely reflect current curriculum, and to render them more informative and attractive to prospective students. Prerequisite changes reflect program adjustments and efforts to accommodate shifts in the regularity that some courses are offered.

Section 2

<p>Existing Calendar Entries: (Page reference based on hard copy or URL based on electronic version of calendar)</p>	<p>Proposed Calendar Entries/Addition/ Deletion -If only addition, specify page number and placement in university calendar -If only deletion, write Deleted</p>
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Anthropology 1032
Introduction to Anthropology I
3-0; 0-0
This course provides the student with a general introduction to biological anthropology and archaeology, and covers topics ranging from the origin of humans to the rise of civilization.

Anthropology 1032
Introduction to Biological Anthropology and Archaeology
3-0; 0-0
This course provides a general introduction to biological anthropology and archaeology, and covers topics ranging from the biological origin of humans, the appearance of human culture, and the rise of civilization.

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Anthropology 1034
Introduction to Anthropology II
0-0; 3-0
This course provides the student with a general introduction to social and cultural anthropology. It focuses on the analysis of non-modern as well as modern societies and cultures.

Anthropology 1034
Introduction to Socio-Cultural Anthropology
0-0; 3-0
This course provides a general introduction to social and cultural anthropology. This involves direct observation of the dynamics of 'living cultures,' and focuses on the analysis of cultures from around the world.

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Anthropology 2173/Indigenous Learning 2173
The Archaeology of North America
3-0; or 3-0
Prerequisite: Anthropology 1032 and 1034 or permission of the instructor
This course examines archaeological techniques and methods of interpretation, focusing on the excavation and analysis of material culture of prehistoric cultures of North America. Using the anthropological approach to reconstruct prehistoric societies, beginning with the first movement of

Anthropology 2173/Indigenous Learning 2173
The Archaeology of North America
3-0; or 3-0
This course examines the transformation and adaptation of ancient Aboriginal cultures of Canada and the USA using archaeological recoveries to aid interpretation.

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Anthropology 2332

Anthropology 2332

Peoples and Cultures of Africa

3-0; or 3-0

Prerequisite: Anthropology 1032 and 1034 or permission of the instructor

This course reviews the diversity and complexity of traditional African society. In some ways, tradition in Africa still continues, and a knowledge of African culture is vital for understanding contemporary change and recent events. This review addresses a range of peoples and cultures, and identifies common cultural themes that may be said to constitute a unique African civilization.

Peoples and Cultures of Africa

3-0; or 3-0

This course addresses a range of African cultures, and reviews the diversity and complexity of traditional and present day African societies. In some ways, tradition in Africa still continues, and knowledge of African culture is vital for understanding contemporary change and recent events. African cultures will be contextualized within the long history of interaction with outsiders, and identifies common cultural themes that constitute unique African experiences.

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Anthropology 2515

Socio-cultural Anthropology I

3-0; 0-0

Prerequisite: Anthropology 1032 and 1034 or permission of the instructor

Socio-cultural anthropology is the descriptive and analytical study of contemporary societies. This course introduces basic anthropological concepts, methods, and theories used in ethnography, linguistic anthropology, psychological anthropology and kinship analysis.

Students who have taken Anthropology 2105 previously may not take Anthropology 2515 for credit.

Anthropology 2515

Key Concepts in Socio-Cultural Anthropology

3-0; 0-0

Prerequisite: Anthropology 1034 or permission of the instructor

Socio-cultural anthropology is the descriptive and analytical study of contemporary societies. This course introduces key anthropological concepts, methods, and theories that are the foundation of the discipline. Students will examine how they inform us about the nature and diversity of human culture.

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Anthropology 2517

Socio-cultural Anthropology II

0-0; 3-0

Prerequisite: Anthropology 2515

This course is a continuation of Anthropology 2515, and examines modes of subsistence, economics, social stratification, law and order, religion and arts in a cross-cultural perspective. Applied Anthropology is also introduced.

Students who have taken Anthropology 2105 previously may not take Anthropology 2517 for credit.

Anthropology 2517

Introducing Ethnography

0-0; 3-0

Prerequisite: .5 FCE Anthropology or permission of the instructor

This course is a continuation of Anthropology 2515, and examines how ethnographers study cultures by examining how they operate. This involves study and comparison how different societies organize themselves, educate their young, enforce rules and customs, redistribute goods and services, and adapt to new situations.

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Anthropology 2137

Fundamentals of Archaeology

Anthropology 2137

Investigating the Past

3-0; 0-0

Prerequisite: Anthropology 1032 or permission of the instructor

An introduction to modern archaeological methods. Topics include: chronometric dating; archaeological survey and excavation techniques; artifact analysis; environmental archaeology (archaeobotany, geoarchaeology and zooarchaeology); ethnoarchaeology; social archaeology; cognitive archaeology; and the archaeology of ethnicity.

3-0; 0-0

Prerequisite: Anthropology 1032 or permission of the instructor

An introduction to modern archaeological methods. Topics include: chronometric dating; archaeological survey and excavation techniques; artifact analysis; environmental archaeology (archaeobotany, geoarchaeology and zooarchaeology); ethnoarchaeology; social archaeology; cognitive archaeology; and the archaeology of ethnicity.

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Anthropology 3010

Fundamentals of Geoarchaeology
2-3; or 2-3

Prerequisite: Anthropology 2137 or permission of the instructor

An introduction to geoarchaeology as a contextual framework for human paleoecology. Major topics include description and interpretation of sediments in which archaeological remains are found, consideration of the natural processes that create the archaeological record, and reconstruction of landscapes on which ancient people lived. Also addressed are: climate change, and the effects of these changes on biota; dating methods in archaeology; and geological Existing Entry

Anthropology 3010

Geoarchaeology
2-3; or 2-3

Prerequisite: Anthropology 2137 or permission of the instructor

An introduction to geoarchaeology as a contextual framework for human paleoecology. Major topics include description and interpretation of sediments in which archaeological remains are found, consideration of the natural processes that create the archaeological record, and reconstruction of landscapes on which ancient people lived. Also addressed are: climate change, and the effects of these changes on biota; dating methods in archaeology; and geological sourcing techniques.

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Anthropology 3138/Biology 3138

Molecular Anthropology I
2-1; or 2-1

Prerequisite: Biology 2910 and one of Anthropology 2110, Biology 2171, Biology 2230, Chemistry 1210, or permission of the instructor

An introduction to molecular biology with emphasis on the organization and functions of nuclear and mitochondrial DNA.

Anthropology 3138/Biology 3138

Introduction to DNA Molecular Methods
2-1; or 2-1

Prerequisite: Biology 2910 and one of Anthropology 2110, Biology 2171, Biology 2230, Chemistry 1210, or permission of the instructor

An introduction to methods used in molecular biology, biochemistry and molecular anthropology with emphasis on the techniques and their application. The laboratory component covers the analysis of nucleic acids particularly DNA, and includes basic techniques like gel electrophoresis, DNA extraction, and the polymerase chain reaction. Methods of DNA data analysis and interpretation are also introduced, including forensic science, molecular anthropology, molecular

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Anthropology 3139/Biology 3139
Molecular Anthropology II
2-1; or 2-1
Prerequisite: Anthropology 3138 or permission of the instructor
Molecular phylogeny with emphasis on the origin and evolution of populations of Homo sapiens.

Anthropology 3139/Biology 3139
Molecular Anthropology
3-0; or 3-0
Prerequisite: Anthropology 3138 or permission of the instructor
This course offers advanced study in Molecular Anthropology and Human Population Biology. It addresses methods and techniques applied to the molecular study of humans and the application of these techniques to the study of human evolution, human diversity, population movements and forensic identification. The course also covers molecular taphonomy and the study of biomolecules and their use in the field of Molecular Anthropology, and is presented as lectures and case studies.

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Anthropology 3150
Introduction to Zooarchaeology
2-3; or 2-3
Prerequisite: Anthropology 2132 and 2134 (recommended) or 2137 and 2139 or permission of the instructor
This course introduces the methodology of comparative vertebrate osteology and its application to archaeology. Such studies are used to infer past dietary preferences, subsistence activities, butchering patterns, seasonal rounds, social organization, environmental reconstruction, animal domestication and status differentiation. The lab component of the course focuses upon the techniques of determining anatomical nature, species, age and sex of specimens, the preparation of skeletons for study, and the identification of archaeological specimens. Students who previously have taken Anthropology 2150 may not take Anthropology 3150 for credit.

Anthropology 3150
Introduction to Zooarchaeology
2-3; or 2-3
Prerequisite: 2137 or permission of the instructor
This course introduces comparative vertebrate osteology and its application to archaeology. Such studies are used to infer past dietary preferences, subsistence activities, butchering patterns, seasonal rounds, social organization, environmental reconstruction, animal domestication and status differentiation. The lab section provides basic training in element and species identification.

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Anthropology 3231
Historic Archaeology
3-0; or 3-0
Prerequisite: Anthropology 2132 and 2134 or 2137 and 2139 or permission of the instructor

Anthropology 3231
Historic Archaeology
3-0; or 3-0
Prerequisite: 2137 or permission of the instructor
This course deals with archaeological methods

This course deals with North American archaeological remains dating after the development of historic records. The central focus of discussion is upon the archaeology of the fur trade in Canada and the northern U.S. The course considers the theoretical and methodological development of the discipline, with particular attention being paid to the relationship between archaeological and historical insight into the same social phenomenon.

applied to societies with a written historic tradition. The focus of discussion is the archaeology of the fur trade in Canada and the northern U.S.A. It considers the theoretical and methodological development of the discipline, and introduces methods of identifying technologies reflecting innovations over the last 500 years.

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Anthropology 3315
Archaeology of the Boreal Forest
3-0; or 3-0
Prerequisite: Anthropology 2132 and 2134, or 2137 and 2139, or 2173, or permission of the instructor
This course reviews the archaeological study of prehistoric Aboriginal cultures of the Canadian boreal forest. Of special interest are the socio-economic adaptations of hunters and gatherers to the ecology of the northern forests. While northern Ontario is of central concern, other archaeological entities throughout the Canadian subarctic are considered.

Anthropology 3315
Archaeology of the Boreal Forest
3-0; or 3-0
Prerequisite: Anthropology 2173, or permission of the instructor
This course reviews the archaeological study of pre-contact Aboriginal cultures of the Canadian boreal forest. Of special interest are the socio-economic adaptations of hunters and gatherers to the ecology of the northern forests. While northern Ontario is of central concern, other archaeological cultures throughout the Canadian subarctic are considered.

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Anthropology 4219
Human Skeletal and Dental Biology
3-3; 0-0
Prerequisite: Anthropology 2110, 2112, and 3150, or permission of the instructor
This course provides students with a comprehensive study of human osteology and dental anatomy. The lab focuses on both normal and variational anatomy. Students who have taken Anthropology 3209 previously may not take Anthropology 4219 for credit.

Anthropology 4219
Human Skeletal and Dental Biology
3-3; or 3-3
Prerequisite: Anthropology 2110, and either 3136 or 3150, or permission of the instructor
This course provides students with a comprehensive study of human osteology and dental anatomy. The lab focuses on both normal and variational anatomy.

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Existing Entry
Anthropology 4419
Ancient DNA
Prerequisite: Anthropology 3139/Biology 3139 or permission of the instructor

Anthropology 4419
Ancient DNA
3-0; or 3-0
Prerequisite: Anthropology 2110, 2112 and 3138, and one full course equivalent in Biology, or

Details of the methodology of ancient DNA analysis including historical aspects as well as current procedures are presented. The role of nuclear and mitochondrial genomes in reconstructing ancient populations and ancestral/descendent relationships is described. The basis for DNA sequence variation (i.e. mutation) is presented in detail. The course includes case studies based on current projects at ancient sites in Egypt and China.

permission of the instructor
This is an advanced course on ancient and degraded DNA. The course covers the history of the field, including the methods of analysis that have been used over time and how these methods have developed. The course also covers critical aspects in the field of ancient DNA like DNA damage and problems associated with the study of degraded DNA, methods and protocols specific to the study of degraded DNA and authentication and verification of ancient and degraded DNA results followed by literature and case studies pivotal to the field and its development.

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Anthropology 4430
Molecular Paleopathology
3-0; or 3-0
Prerequisite: Anthropology 3138/Biology 3138 or permission of the instructor
Genetic identification of disease, including the application of molecular techniques to the detection, analysis and characterization of diseases in the past, bacterial and viral pathogens and hereditary diseases. Significance to traditional morphological paleopathology, evolutionary biology and medical sciences.

Anthropology 4430
Molecular Paleopathology
3-0; or 3-0
Prerequisite: Anthropology 3138/Biology 3138 or permission of the instructor.
An advanced course in the genetic identification of disease in the past. It covers the methods and techniques employed in the identification of disease, including parasitic, bacterial, viral and hereditary diseases. Molecular paleopathology can support the traditional morphological paleopathology and the analysis of skeletal remains for the identification of disease. Case studies will be presented to demonstrate the methods and techniques and their application to archaeology, and evolutionary and medical biology

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Anthropology 4450
Forensic and Archaeological Microscopy
3-0; or 3-0
Microscopy, chemistry and biochemistry techniques for the characterization of different types of organic trace materials and residues. Forensic or anthropological interpretation of the forensic and archaeological trace evidence, covering coprolites, hair, blood residues or stains, plant residues or fibres and biological debris.

Anthropology 4450
Forensic and Archaeological Microscopy
2-1 or 2-1
Microscopic, chemical and biochemical techniques for the characterization of different types of organic trace materials and residues. Interpretation of the forensic and archaeological trace evidence, including fibres, hair, blood residues or stains, plant residues, plant microfossils, pollen and biological debris. A laboratory component is included for the hands on analysis of archaeological and forensic material.

Section 3

The Faculty(ies) affected by the proposed calendar change

Science and Environmental Studies

I have been consulted regarding the attached calendar change and understand the academic and budgetary implication on my Dept./School/Faculty.

I agree to this calendar change proposal Yes No

Name:

Faculty:

Date:

Signature of Dean