



Lakehead University
Faculty of Science and Environmental Studies

REQUEST REPORT

Request Tracking Number: 2013-SCI-825
Request Title: Adding Detail to Biology Course Descriptions

Request Effective Date: F-W 2013-14
Request Status: In Workflow
 Request can't be split

Request Contents

Type		Title
1.	New Version of a Course	Biogeography
2.	New Version of a Course	Neurobiology II
3.	New Version of a Course	Introductory Human Physiology
4.	New Version of a Course	Human Structure
5.	New Version of a Course	Plants and People
6.	New Version of a Course	Neurobiology I

Request History

Workflow Step	Workflow Action	User	Change Made	Comments	Date
Initiator	Approved	Christina Maenpaa	Yes	Submitted to workflow	03/06/2013
Dean and Faculty Council Review Stage	Approved	Christina Maenpaa	No	These changes were approved at the Faculty Council meeting on February 26, 2013 and approved by Dr. Dean.	03/06/2013

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
03/06/2013	Christina Maenpaa	The Biology Course descriptions have been lengthened, with detail added on course material, delivery and evaluation. This will make it easier for students to determine whether these courses are of interest.

1.	New Version of a Course	Biology 3151 - Biogeography
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Course Details

CURRENT VERSION	PROPOSED VERSION
Biology 3151 - Biogeography Start Term: Fall 2012 End Term: No Specified End Date	Biology 3151 - Biogeography Start Term: Fall 2012 F-W 2013-14 End Term: No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
Code Biology 3151	Code Biology 3151
Title Biogeography	Title Biogeography
Description A study of the distribution and dispersal of organisms.	Description A study of the distribution and dispersal of organisms. <i>An examination of how biotic and abiotic factors interact and species distributions respond to dynamic environmental processes such as climate and glaciation. Topics covered include: history of biogeography, distribution of species, communities, and biomes; speciation and extinction, endemism, dispersal, history of lineages and biotas, patterns of continental and oceanic diversity, island biogeography, and human impacts on species distribution. Lecture concepts are emphasized via quantitative assignments and journal article critiques.</i>
Credits 0	Credits 0
End Term No Specified End Date	End Term No Specified End Date
Institution Lakehead University	Institution Lakehead University
Faculty Faculty of Science and Environmental Studies	Faculty Faculty of Science and Environmental Studies
CreditWeight 0.5	CreditWeight 0.5
Rationale	Rationale <i>The course description has been lengthened with detail added on course material, delivery and evaluation. This will make it easier for students to determine whether this course is of interest.</i>
Requiredor Elective	Requiredor Elective
Cross List	Cross List

Offering 3-0; or 3-0	Offering 3-0; or 3-0
Prerequisites	Prerequisites
Corequisites	Corequisites
Notes	Notes
SpecialTopicDropdown	SpecialTopicDropdown
GradeSchemePF	GradeSchemePF
EffectonEnrolmentINIT	EffectonEnrolmentINIT <i>Student enrollment will not change.</i>
EffectonEnrolmentOTHER	EffectonEnrolmentOTHER <i>Student enrollment in other units will not change.</i>
AdditionalTeachingSpace	AdditionalTeachingSpace <i>No additional resources are required.</i>
EffectonTeachingLoads	EffectonTeachingLoads <i>Teaching loads will not change.</i>
EffectonServices	EffectonServices <i>Support services will not change.</i>
DirectinkindSupport	DirectinkindSupport <i>Outside support will not change.</i>

2.	New Version of a Course	Biology 4752 - Neurobiology II
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Course Details

CURRENT VERSION	PROPOSED VERSION
Biology 4752 - Neurobiology II Start Term: Fall 2012 End Term: No Specified End Date	Biology 4752 - Neurobiology II Start Term: Fall 2012 F-W 2013-14 End Term: No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
Code Biology 4752	Code Biology 4752
Title Neurobiology II	Title Neurobiology II
Description An examination of the operation and integration of the sensory elements of the human central nervous system.	Description An examination of the operation and integration of the sensory elements of the human central nervous system. <i>Perception and movement; integration of sensory and motor function; perception and action; sensory information; bodily senses; pain; visual processing and pathways; hearing; and the chemical senses. Written assignments reinforce concepts introduced in lectures.</i>
Credits 0	Credits 0
End Term No Specified End Date	End Term No Specified End Date
Institution Lakehead University	Institution Lakehead University
Faculty Faculty of Science and Environmental Studies	Faculty Faculty of Science and Environmental Studies
CreditWeight 0.5	CreditWeight 0.5
Rationale	Rationale <i>Details have been added to the description to provide more information about what will be covered in the course to help students make decisions when selecting courses.</i>
Requiredor Elective	Requiredor Elective
Cross List	Cross List
Offering 0-0; 3-0	Offering 0-0; 3-0
Prerequisites	Prerequisites

Biology 4751 or permission of the instructor	Biology 4751 or permission of the instructor
Corequisites	Corequisites
Notes Limited enrolment.	Notes Limited enrolment.
SpecialTopicDropdown	SpecialTopicDropdown
GradeSchemePF	GradeSchemePF
EffectonEnrolmentINIT	EffectonEnrolmentINIT <i>Student enrolment will not change.</i>
EffectonEnrolmentOTHER	EffectonEnrolmentOTHER <i>Student enrolment in other units will not change.</i>
AdditionalTeachingSpace	AdditionalTeachingSpace <i>Additional resources will not change.</i>
EffectonTeachingLoads	EffectonTeachingLoads <i>Teaching loads will not change.</i>
EffectonServices	EffectonServices <i>Support services will not change.</i>
DirectinkindSupport	DirectinkindSupport <i>Outside support will not change.</i>

3.	New Version of a Course	Biology 2030 - Introductory Human Physiology
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Course Details

CURRENT VERSION	PROPOSED VERSION
Biology 2030 - Introductory Human Physiology Start Term: Fall 2012 End Term: No Specified End Date	Biology 2030 - Introductory Human Physiology Start Term: Fall 2012 F-W 2013-14 End Term: No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
Code Biology 2030	Code Biology 2030
Title Introductory Human Physiology	Title Introductory Human Physiology
Description The fundamental principles of organ system physiology with special emphasis on mammals.	Description The fundamental principles of organ system physiology with special emphasis on mammals. <i>Cell structure and transport, neural signaling and the central nervous system, muscle, circulation, gas exchange and osmoregulation. The practical application and relevance of certain physiological concepts is enhanced through clinical examples. Assignments and laboratories reinforce concepts taught in the lectures.</i>
Credits 0	Credits 0
End Term No Specified End Date	End Term No Specified End Date
Institution Lakehead University	Institution Lakehead University
Faculty Faculty of Science and Environmental Studies	Faculty Faculty of Science and Environmental Studies
CreditWeight 0.5	CreditWeight 0.5
Rationale	Rationale <i>Course description has been lengthened, with detail added on course material, delivery and evaluation. This will make it easier for students to determine whether these courses are of interest.</i>
Requiredor Elective	Requiredor Elective
Cross List	Cross List
Offering 0-0; 3-3	Offering 03-03 ; 3-3

Prerequisites	Prerequisites
Corequisites	Corequisites
Notes May only be taken by students in Nursing and Kinesiology degree programs. Students who have previous credit in Biology 2030 may not take Biology 3250 or 3251 or 3253 for credit. An additional fee (see Miscellaneous Fees) is required for this course.	Notes May only be taken by students in Nursing and Kinesiology degree programs. Students who have previous credit in Biology 2030 may not take Biology 3250 or 3251 or 3253 for credit. An additional fee (see Miscellaneous Fees) is required for this course.
SpecialTopicDropdown	SpecialTopicDropdown
GradeSchemePF	GradeSchemePF
EffectonEnrolmentINIT	EffectonEnrolmentINIT <i>Student enrolment will not change because of the new description.</i>
EffectonEnrolmentOTHER	EffectonEnrolmentOTHER <i>Student enrolment with other units will not change because of the new description.</i>
AdditionalTeachingSpace	AdditionalTeachingSpace <i>Resources will not change because of the new description.</i>
EffectonTeachingLoads	EffectonTeachingLoads <i>Teaching loads will not change because of the new description.</i>
EffectonServices	EffectonServices <i>Teaching support will not change because of the new description.</i>
DirectinkindSupport	DirectinkindSupport <i>Outside support will not change because of the new description.</i>

4.	New Version of a Course	Biology 2070 - Human Structure
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Course Details

CURRENT VERSION	PROPOSED VERSION
Biology 2070 - Human Structure Start Term: Fall 2012 End Term: No Specified End Date	Biology 2070 - Human Structure Start Term: Fall 2012 <i>F-W 2013-14</i> End Term: No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
Code Biology 2070	Code Biology 2070
Title Human Structure	Title Human Structure
Description Human anatomy of selected organs/systems. Laboratory work is included.	Description Human anatomy of selected organs/systems. Laboratory work is included , <i>with emphasis on the integumentary, skeletal, muscular, nervous, circulatory, respiratory, digestive, urinary, and reproductive systems. Laboratories reinforce concepts taught in lecture using models.</i>
Credits 0	Credits 0
End Term No Specified End Date	End Term No Specified End Date
Institution Lakehead University	Institution Lakehead University
Faculty Faculty of Science and Environmental Studies	Faculty Faculty of Science and Environmental Studies
CreditWeight 0.5	CreditWeight 0.5
Rationale	Rationale <i>The description is being lengthened to include more details about the course to help students make decisions when selecting classes.</i>
Requiredor Elective	Requiredor Elective
Cross List	Cross List
Offering 3-3; 0-0	Offering 3-3; 0-0
Prerequisites	Prerequisites
Corequisites	Corequisites

Notes Only students in BSc Nursing may register in and receive credit for Biology 2070. An additional fee (see Miscellaneous Fees) is required for this course.	Notes Only students in BSc Nursing may register in and receive credit for Biology 2070. An additional fee (see Miscellaneous Fees) is required for this course.
SpecialTopicDropdown	SpecialTopicDropdown
GradeSchemePF	GradeSchemePF
EffectonEnrolmentINIT	EffectonEnrolmentINIT <i>Student enrolment will not change because of a new description.</i>
EffectonEnrolmentOTHER	EffectonEnrolmentOTHER <i>Student enrolment in other units will not change because of a new description.</i>
AdditionalTeachingSpace	AdditionalTeachingSpace <i>Additional resources will not be required.</i>
EffectonTeachingLoads	EffectonTeachingLoads <i>Teaching assignments will not change because of a new description.</i>
EffectonServices	EffectonServices <i>Teaching support services will not change because of a new description.</i>
DirectinkindSupport	DirectinkindSupport <i>Outside support will not change.</i>

5.	New Version of a Course	Biology 3351 - Plants and People
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Course Details

CURRENT VERSION	PROPOSED VERSION
Biology 3351 - Plants and People Start Term: Fall 2012 End Term: No Specified End Date	Biology 3351 - Plants and People Start Term: Fall 2012 F-W 2013-14 End Term: No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
Code Biology 3351	Code Biology 3351
Title Plants and People	Title Plants and People
Description Plants used by people. The origins, history and effects of plants on civilization.	Description Plants used by people. The origins, history and effects of plants on civilization. <i>An introduction to the basic and essential relationship between plants (as food and resource) and humans (as dependent consumers), in the context of local food security, with emphasis on the origins and history of important temperate and tropical crop plants and their effect on civilization. Ethnobotany principles and methods will be introduced. A different independent community service learning project pertaining to local wild or cultivated plants will be designed each year, resulting in a written report. Brief writing exercises will be used to improve students' written communication skills and some will be based on critical or pertinent primary scientific literature. Also required is a critical essay dealing with a current plant-related issues reported in popular media. Written assignments constitute about 70% of grade, exams 30%.</i>
Credits 0	Credits 0
End Term No Specified End Date	End Term No Specified End Date
Institution Lakehead University	Institution Lakehead University
Faculty Faculty of Science and Environmental Studies	Faculty Faculty of Science and Environmental Studies
CreditWeight 0.5	CreditWeight 0.5
Rationale	Rationale <i>The description has been lengthened to provide more detail about what will be covered in the course and the expectations. This will help students make more informed choices when selecting classes.</i>

Requiredor Elective	Requiredor Elective
Cross List	Cross List
Offering 3-0; or 3-0	Offering 3-0; or 3-0
Prerequisites	Prerequisites
Corequisites	Corequisites
Notes	Notes
SpecialTopicDropdown	SpecialTopicDropdown
GradeSchemePF	GradeSchemePF
EffectonEnrolmentINIT	EffectonEnrolmentINIT <i>Student enrolment will not change because of the new description.</i>
EffectonEnrolmentOTHER	EffectonEnrolmentOTHER <i>Student enrolment in other units will not change because of the new description.</i>
AdditionalTeachingSpace	AdditionalTeachingSpace <i>There will be no change in resources.</i>
EffectonTeachingLoads	EffectonTeachingLoads <i>There will be no change in teaching assignments.</i>
EffectonServices	EffectonServices <i>There will be no change in the support services required for teaching.</i>
DirectinkindSupport	DirectinkindSupport <i>There will be no change in the outside support required.</i>

6.	New Version of a Course	Biology 4751 - Neurobiology I
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Course Details

CURRENT VERSION	PROPOSED VERSION
Biology 4751 - Neurobiology I Start Term: Fall 2012 End Term: No Specified End Date	Biology 4751 - Neurobiology I Start Term: Fall 2012 <i>F-W 2013-14</i> End Term: No Specified End Date

<u>Course Details</u>	
CURRENT VERSION	PROPOSED VERSION
Code Biology 4751	Code Biology 4751
Title Neurobiology I	Title Neurobiology I
Description An examination of the origins, development, maturation and senescence of the human central nervous system.	Description An examination of the origins, development, maturation and senescence <i>operation and integration</i> of the <i>sensory elements of the</i> human central nervous system. <i>Generation and survival of nerve cells, axons and synapses; sexual differentiation of the nervous system; and aging brain and dementia. Written and oral assignments reinforce concepts introduced in lecture.</i>
Credits 0	Credits 0
End Term No Specified End Date	End Term No Specified End Date
Institution Lakehead University	Institution Lakehead University
Faculty Faculty of Science and Environmental Studies	Faculty Faculty of Science and Environmental Studies
CreditWeight 0.5	CreditWeight 0.5
Rationale	Rationale <i>The course description has been lengthened with detail added on course material, delivery and evaluation. This will make it easier for student to determine whether the course is of interest.</i>
Requiredor Elective	Requiredor Elective
Cross List	Cross List
Offering 3-0; 0-0	Offering 3-0; 0-0
Prerequisites	Prerequisites

Permission of the instructor	Permission of the instructor
Corequisites	Corequisites
Notes Limited enrolment.	Notes Limited enrolment.
SpecialTopicDropdown	SpecialTopicDropdown
GradeSchemePF	GradeSchemePF
EffectonEnrolmentINIT	EffectonEnrolmentINIT <i>Student enrolment will not change.</i>
EffectonEnrolmentOTHER	EffectonEnrolmentOTHER <i>Student enrolment in other units will not change.</i>
AdditionalTeachingSpace	AdditionalTeachingSpace <i>No additional resources needed.</i>
EffectonTeachingLoads	EffectonTeachingLoads <i>Teaching loads will not change.</i>
EffectonServices	EffectonServices <i>Support services will not change.</i>
DirectinkindSupport	DirectinkindSupport <i>Outside support will not change.</i>