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**MEMORANDUM**

<b>ATTENTION</b>	Senate	<b>DATE</b>	November 7, 2016
<b>FROM</b>	Mark Lechner, Acting Chair Senate Committee on Undergraduate Studies	<b>PAGES</b>	1/1
<b>RE:</b>	Faculty of Science (SCUS 16-38)		

**For information:**

Acting under delegated authority at its meeting of November 3, 2016 SCUS approved the following curriculum revisions effective Summer 2017.

1. Department of Biological Sciences (SCUS 16-38a)

- (i) New Course Proposal: BISC 371-3, Special Topics in Biology for Non-majors with B-Sci designation

2. Department of Earth Sciences (SCUS 16-38b)

- (i) Prerequisite change to 200, 300 and 400 level to the EASC courses



FACULTY OF SCIENCE  
Dean of Science

SCUS 16-38

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MEMORANDUM

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ATTENTION	Senate Committee for Undergraduate Studies, SFU	DATE	October 24, 2016
FROM	Carl Lowenberger, Chair, Science UCC		
RE:	Submission of Undergraduate Curriculum Business from the Faculty of Science for inclusion on the Agenda of the November 2016 SCUS Meeting		

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**Biology**

Motion 1: BISC 371 - new course form. This is a special topics, breadth course to be offered in Biological Sciences. This course also will serve as an umbrella under which the Department can offer different upper division Breadth (B) courses on a rotating basis.

For background, in 2008 Dr. Ron Ydenberg developed and taught *Biology Before the Beagle* as part of a celebration marking the 150th anniversary of Darwin's publication on *The Origin of Species*. The single offering (as a Writing Intensive Special Topics course) was very well received by students, and the Department supports modifying and re-offering this course as an upper division B course. In addition, other instructors have also expressed an interest in developing new upper division B courses (e.g., Neurobiology in Everyday Life). We are pursuing B designation for an upper division Special Topics course under which the Department could offer these (and potentially other) courses on a rotating basis. There are currently very few upper division B courses across campus, and these are reportedly oversubscribed.

In addition, while science students are free to take this course we have decided that it will not qualify for one of their upper division credits, but may serve as an elective.

Motion 2: EASC to have all their course pre-requisites "all with a grade of C- or better" designation.



COURSE SUBJECT BISC NUMBER 371

COURSE TITLE LONG — for Calendar/schedule, no more than 100 characters including spaces and punctuation
Special Topics in Biology for Non-majors

COURSE TITLE SHORT — for enrollment/transcript, no more than 30 characters including spaces and punctuation
Special Topics in Biology for Non-majors

CAMPUS where course will be normally taught: [X] Burnaby [ ] Surrey [ ] Vancouver [ ] Great Northern Way [ ] Off campus

COURSE DESCRIPTION — 50 words max. Attach a course outline. Don't include WQB or prerequisites info in this description box.
Selected topics in Biology, aimed at students who might not have a background in biology. Science students may take this course as an elective, but may not apply this course toward their upper division program requirements.

REPEAT FOR CREDIT [X] YES [ ] NO How many times? 2 Within a term? [X] YES [ ] NO

LIBRARY RESOURCES

NOTE: Senate has approved (S.93-11) that no new course should be approved by Senate until funding has been committed for necessary library materials. Each new course proposal must be accompanied by the email that serves as proof of assessment. For more information, please visit www.lib.sfu.ca/about/overview/collections/course-assessments.

Library review done? Approved.

RATIONALE FOR INTRODUCTION OF THIS COURSE

This course will serve as an umbrella under which the Department can offer different upper division Breadth (B) courses on a rotating basis. For background, in 2008 Dr. Ron Ydenberg developed and taught Biology Before the Beagle as part of a celebration marking the 150th anniversary of Darwin's publication of The Origin of Species. The single offering (as a Writing Intensive Special Topics course) was very well received by students, and the Department supports modifying and re-offering this course as an upper division B course. In addition, other instructors have also expressed an interest in developing new upper division B courses (e.g., Neurobiology in Everyday Life). We are pursuing B designation for an upper division Special Topics course under which the Department could offer these (and potentially other) courses on a rotating basis. There are currently very few upper division B courses across campus, and these are reportedly oversubscribed.



SCHEDULING AND ENROLLMENT INFORMATION

Term and year course would first be offered (e.g. FALL 2016) summer 2017

Term in which course will typically be offered [ ] Spring [ ] Summer [ ] Fall

Other (describe) variable, depending on teaching schedules

Will this be a required or elective course in the curriculum? [ ] Required [x] Elective

What is the probable enrollment when offered? Estimate: 30-50

UNITS

Indicate number of units: 3

Indicate no. of contact hours: 3 Lecture [ ] Seminar 1 Tutorial [ ] Lab [ ] Other; explain below

OTHER

[Empty box for other information]

FACULTY

Which of your present CFL faculty have the expertise to offer this course?

Dr. Ron Ydenberg, Dr. Gordon Rintoul, (& others)

WQB DESIGNATION

(attach approval from Curriculum Office)

B designation approved.

PREREQUISITE AND / OR COREQUISITE

Pre-requisite: a minimum of 45 units.

EQUIVALENT COURSES

Does this course replicate the content of a previously-approved course to such an extent that students should not receive credit for both courses?

No



**FEES**

Are there any proposed student fees associated with this course other than tuition fees?

YES

NO

**COURSE - LEVEL EDUCATIONAL GOALS (OPTIONAL)**

These vary with course offering.

**RESOURCES**

List any outstanding resource issues to be addressed prior to implementation: space, laboratory equipment, etc:

None.

**OTHER IMPLICATIONS**

Final exam required  YES  NO

Criminal Record Check required  YES  NO

**OVERLAP CHECK**

Checking for overlap is the responsibility of the Associate Dean.

Each new course proposal must have confirmation of an overlap check completed prior to submission to the Faculty Curriculum Committee.

**Name of Originator**

Erin Barley



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**MEMORANDUM**

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**ATTENTION** Carl Lowenberger, Associate Dean,  
Faculty of Science

**DATE** September 30, 2016

**FROM** Susan Rhodes, Director  
University Curriculum & Institutional Liaison

**PAGES** 1

**RE:** BISC B-Sci designation approval

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The University Curriculum Office has approved **B-Sci** designation for the following proposed BISC course, effective Summer 2017 (1174):

BISC 371-3 Special Topics in Biology for Non-Majors

Please forward this memo to your Faculty UCC and then on to SCUS for further approval.

cc: Erin Barley, UGC Chair, Department of Biological Sciences

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**ATTENTION: Jo Hinchliffe, Associate Registrar, Senate and Academic Services**

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**RE: Undergraduate calendar prerequisite changes for Earth Sciences**

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**DATE: October 04, 2016**

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Dear Jo,

On behalf of the Department of Earth Sciences, I would like to request that the statement “all with a grade of C- or better” follow the course prerequisites in the calendar for the EASC courses listed below:

200-level: 201, 202, 204, 205, 206, 207, 208, 209W, 210

300-level: 301, 302, 304, 305, 306, 307, 308, 309, 310W, 311, 312, 313, 314, 315W, 317

400-level: 401, 402, 403, 404, 405, 408, 410, 411, 413, 416, 420, 421

Please note that EASC 305 currently has the statement “(all with a grade of C or higher)”. This should be changed to be consistent with the other courses.

Sincerely,

Glyn Williams-Jones  
Chair, EASC Undergraduate Curriculum Committee

Cc: Kathryn White  
Tarja Vaisanen