

Simon Fraser University  
Maggie Benston Centre 1100  
8888 University Drive  
Burnaby, BC V5A 1S6

TEL 778.782.3042  
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gradstudies@sfu.ca  
www.sfu.ca/grad

**MEMORANDUM**

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**ATTENTION** Senate  
**FROM** Jeff Derksen,  
Chair of Senate Graduate Studies  
Committee (SGSC)  
**RE:** Course Changes

**DATE** March 25, 2021



**For information:**

Acting under delegated authority at its meeting of March 2, 2021, SGSC approved the following curriculum items, effective **Fall 2021**:

**Graduate and Postdoctoral Studies**

- 1) Course change (deletion): GRAD 900

**Faculty of Science**

Department of Statistics and Actuarial Science

- 1) Course change (number, description, prerequisite, equivalency): ACMA 821
- 2) Course change (deletion): ACMA 820
- 3) Course change (prerequisite): STAT 642, STAT 645, STAT 652, STAT 675, STAT 685

Senators wishing to consult a more detailed report of curriculum revisions may do so on the Senate Docushare repository at <https://docushare.sfu.ca/dsweb/View/Collection-12682>




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**MEMORANDUM**

---

|                  |  |             |  |
|------------------|--|-------------|--|
| <b>ATTENTION</b> | Senate Graduate Studies Committee  | <b>DATE</b> | February 24, 2021  |
| <b>FROM</b>      | Krista Gerlich-Fitzgerald,<br>Associate Director, Graduate and<br>Postdoctoral Studies |             |  |
| <b>RE:</b>       | Course Deletion  |             |  |

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The following deletion has been approved by Graduate and Postdoctoral Studies and is being forwarded to the Senate Graduate Studies Committee for approval. This curriculum item should be effective for Fall 2021.

Deleted course:  
GRAD 900 Post Doctoral Research

Sincerely,

Krista Gerlich-Fitzgerald  
Associate Director, Graduate and Postdoctoral Studies  
Simon Fraser University

## Graduate Course Deletion

A course can be deleted if it has not been offered in the previous seven years or if there is no chance of it being offered again. Once a course has been deleted for a minimum of 10 years, the course subject and number can be re-used.

|                                      |          |       |   |
|--------------------------------------|----------|-------|---|
| Course Subject/Number                | GRAD 900 | Units | 0 |
| Course Title                         |          |       |   |
| Post Doctoral Research               |          |       |   |
| Reason for Deletion                  |          |       |   |
| This course is no longer being used. |          |       |   |
| Effective Term and Year:             |          |       |   |
| Fall 2021                            |          |       |   |

### Before Submission to SGSC check the following:

Is this course required for degree completion?

☐ YES

☒ NO

Do any program calendar entries need to be changed as a result of this deletion?

☐ YES

☒ NO

Does the departmental website need to be updated?

☐ YES

☒ NO

Additional information for any YES responses:

**REMINDER:** All course deletions must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.

### CONTACT PERSON

|                               |                  |                 |
|-------------------------------|------------------|-----------------|
| Department / School / Program | Contact name     | Contact email   |
| GPS                           | Michelle Grahame | gscurric@sfu.ca |

### DEPARTMENTAL APPROVAL

|                                       |           |      |
|---------------------------------------|-----------|------|
| Department Graduate Program Committee | Signature | Date |
| Department Chair                      | Signature | Date |

### FACULTY APPROVAL

|   |   |                   |
|---|---|-------------------|
| Faculty Graduate Studies Committee (FGSC) | Signature   | Date              |
| Jeff Derksen                              |  | February 24, 2021 |

### SENATE GRADUATE STUDIES COMMITTEE APPROVAL

|  |   |                   |
|--|---|-------------------|
| Senate Graduate Studies Committee (SGSC) | Signature   | Date              |
| Jeff Derksen                             |  | February 24, 2021 |



TASC II 9900  
8888 University Drive, Burnaby, BC  
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MEMORANDUM

ATTENTION Jeff Derksen, Dean of Graduate Studies      DATE February 10, 2021  
FROM Michael Silverman, Associate Dean of Research and Graduate Studies      PAGES 1  
RE: Course changes – Actuarial Sciences

Dear Dean Derksen,

The Faculty of Science has approved the following course changes effective for Fall 2021. Please include these items on the agenda for the next SGSC meeting.

Department of Statistics and Actuarial Science

- 1) Pre-requisite changes: for STAT 642, 645, 652, 675, 685
- 2) Program changes including: ~~They propose the creation of two new required actuarial courses ACMA 830 and 832, renumbering the third required course ACMA 821 to ACMA 831, deletion of ACMA 820, and addition of three Statistics courses, STAT 831, 832 and 843, to the elective course list.~~

Michael A. Silverman, Ph.D.





MEMO

Joan Hu, Graduate Program Chair  
Statistics & Actuarial Science  
8888 University Drive  
Burnaby, BC Canada  
V5A 1S6

[joanh@sfu.ca](mailto:joanh@sfu.ca)  
[www.sfu.ca/stat-actsci](http://www.sfu.ca/stat-actsci)

**ATTENTION:**  
**Michael Silverman, Associate Dean of Science**

TEL

**FROM** Joan Hu, Graduate Program Chair

**RE** Changes to be made into ActSci Graduate Program

**DATE** Feb 2, 2021

*Department of Statistics & Actuarial Science*

**Motion 1:** A set of changes into the current ACMA graduate program. Please see the enclosed file "Program Change Form ACMA" for a summary.

**Rational for Motion 1:** To respond to the comments/suggestions at the Department External Review in 2020.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Joan Hu', is written over the typed name.

Joan Hu  
Graduate Program Chair  
Department of Statistics & Actuarial Science

## Graduate Course Change

Attach a separate document if more space is required.

|   |                   |   |
|---|-------------------|---|
| Course Subject/Number<br><b>ACMA 821</b>  | Units<br><b>4</b> | Effective Term and Year<br><b>Fall 2021</b> |
| Course Title<br><b>Advanced Actuarial Models</b>  |                   |   |
| Rationale for Change:<br>ACMA 821 is renumbered to ACMA 831 so that, together with the two new courses created, it forms a recognizable sequence of core courses under the MSc program (ACMA 830, 831 and 832). This revision in the course description is part of the effort to modernize the <u>graduate</u> curriculum in actuarial science. We remove the prerequisite ACMA 335 because it was deleted in 2016. |                   |   |

### Proposed Changes (Check all that apply)

☒ Course number  
 ☐ Units\*  
 ☐ Title  
 ☒ Description  
 ☒ Prerequisite  
 ☒ Other Equivalent statement

### Complete only the fields to be changed

| FROM   | TO   |
|--|--|
| Course Subject/Number<br><b>ACMA 821</b>   | Course Subject/Number<br><b>ACMA 831</b>   |
| Units  | Units*   |
| Course Title   | Course Title (max 100 characters)  |
| Course Short Title   | Course Short Title (max 30 characters)   |
| Description<br><b>Advanced non-life insurance mathematics. Individual risk models, collective risk models, ruin models. Actuarial reserve models: Bonus-malus system, IBNR techniques. Generalized linear models in Actuarial Science.</b> | Description<br><b>Aggregate claims models. Models for incurred but not reported claims. Bonus-malus systems in automobile insurance. Mortality models.</b> |
| Prerequisite<br><b>ACMA 335</b>  | Prerequisite<br><b>None</b>  |
| Other  | Other Equivalent statement:<br><b>Students with credit for ACMA 821 may not take this course for further credit</b>  |



\* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

**REMINDER:** All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.


### CONTACT PERSON

|   |                           |                                |
|---|---------------------------|--------------------------------|
| Department / School / Program<br>Statistics and Actuarial Science | Contact name<br>Cary Tsai | Contact email<br>cltsai@sfu.ca |
|---|---------------------------|--------------------------------|

### DEPARTMENTAL APPROVAL

|   |  |                    |
|---|--|--------------------|
| Department Graduate Program Committee<br>X. Joan Hu | Signature<br> | Date<br>2020-02-02 |
| Department Chair<br>Tim Swartz                      | Signature<br> | Date<br>Feb 2/21   |

### FACULTY APPROVAL

|  |   |                   |
|--|---|-------------------|
| Faculty Graduate Studies Committee (FGSC)<br>Michael Silverman | Signature<br> | Date<br>2.10.2021 |
|--|---|-------------------|

### SENATE GRADUATE STUDIES COMMITTEE APPROVAL

|  |  |                        |
|--|--|------------------------|
| Senate Graduate Studies Committee (SGSC)<br>Jeff Derksen | Signature<br> | Date<br>March 25, 2021 |
|--|--|------------------------|

#### ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: \_\_\_\_\_

Course Attribute Value: \_\_\_\_\_

Instruction Mode: \_\_\_\_\_

Attendance Type: \_\_\_\_\_

If different from regular units:

Academic Progress Units: \_\_\_\_\_

Financial Aid Progress Units: \_\_\_\_\_

## Graduate Course Deletion

A course can be deleted if it has not been offered in the previous seven years or if there is no chance of it being offered again. Once a course has been deleted for a minimum of 10 years, the course subject and number can be re-used.

|   |          |       |   |
|---|----------|-------|---|
| Course Subject/Number   | ACMA 820 | Units | 4 |
| Course Title<br>Stochastic Analysis of Insurance Portfolios   |          |       |   |
| Reason for Deletion<br>We modernize the graduate curriculum in actuarial science by creating two new required graduate courses ACMA 830 and ACMA 832, and revising the third required graduate course ACMA 821 to ACMA 831 for its course description and number to form some sort of sequence. ACMA 820 won't be offered any more. |          |       |   |
| Effective Term and Year:<br>Fall 2021   |          |       |   |

### Before Submission to SGSC check the following:

Is this course required for degree completion?

☒ YES

☐ NO

Do any program calendar entries need to be changed as a result of this deletion?

☒ YES

☐ NO

Does the departmental website need to be updated?

☒ YES

☐ NO

### Additional information for any YES responses:



Although ACMA 820 is a required course under the current MSc program, we are also changing the MSc requirements so this course will not be needed in the future. Students who are subject to the existing program requirements and have not yet taken ACMA 820 will be offered other alternatives.

**REMINDER:** All course deletions must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.


### CONTACT PERSON

|                                  |              |               |
|----------------------------------|--------------|---------------|
| Department / School / Program    | Contact name | Contact email |
| Statistics and Actuarial Science | Cary Tsai    | cltsai@sfu.ca |

### DEPARTMENTAL APPROVAL

|                                       |   |            |
|---------------------------------------|---|------------|
| Department Graduate Program Committee | Signature   | Date       |
| X. Joan Hu                            |  | 2020-02-02 |
| Department Chair                      | Signature   | Date       |
| Tim Swartz                            |  | Feb 2/21   |

### FACULTY APPROVAL

|   |  |           |
|---|--|-----------|
| Faculty Graduate Studies Committee (FGSC) | Signature  | Date      |
| Michael Silverman                         |  | 2.10.2021 |

### SENATE GRADUATE STUDIES COMMITTEE APPROVAL

|  |   |                |
|--|---|----------------|
| Senate Graduate Studies Committee (SGSC) | Signature   | Date           |
| Jeff Derksen                             |  | March 25, 2021 |



MEMO

Joan Hu, Graduate Program Chair  
Statistics & Actuarial Science  
8888 University Drive  
Burnaby, BC Canada  
V5A 1S6

[joanh@sfu.ca](mailto:joanh@sfu.ca)  
[www.sfu.ca/stat-actsci](http://www.sfu.ca/stat-actsci)

**ATTENTION:**  
**Michael Silverman, Associate Dean of**  
**Science – Research & Graduate Studies**

TEL

**FROM** Joan Hu, Graduate Program Chair

**RE** Update Pre-requisites for STAT 642/645/652/675/685

**DATE** Jan 30, 2021

*Department of Statistics & Actuarial Science*

**Motion 1:** Pre-requisite Change for STAT 642, 645, 652, 675, 685

**Rationale for Motion 1:** BUEC 333 has been re-named ECON 333

Sincerely,

A handwritten signature in blue ink, appearing to read 'Joan', is placed over the printed name.

Joan Hu  
Graduate Program Chair  
Department of Statistics & Actuarial Science



## Graduate Course Change

Attach a separate document if more space is required.

|   |          |       |   |                         |           |
|---|----------|-------|---|-------------------------|-----------|
| Course Subject/Number   | STAT 642 | Units | 2 | Effective Term and Year | Fall 2021 |
| Course Title<br>Introduction to Statistical Computing and Exploratory Data Analysis - SAS |          |       |   |                         |           |
| Rationale for Change:<br>BUEC 333 has been re-named ECON 333                              |          |       |   |                         |           |

### Proposed Changes (Check all that apply)

☐ Course number ☐ Units\* ☐ Title ☐ Description ☒ Prerequisite ☐ Other \_\_\_\_\_

### Complete only the fields to be changed

| FROM  | TO  |
|---|---|
| Course Subject/Number   | Course Subject/Number   |
| Units   | Units*  |
| Course Title  | Course Title (max 100 characters)   |
| Course Short Title  | Course Short Title (max 30 characters)  |
| Description   | Description   |
| Prerequisite<br>STAT 285 or STAT 302 or STAT 305 or BUEC 333 or equivalent. Open only to students in departments other than Statistics and Actuarial Science. Students with credit for STAT 340 or STAT 342 may not take STAT 642 for further credit. | Prerequisite<br>STAT 285 or STAT 302 or STAT 305 or ECON 333 or equivalent. Open only to students in departments other than Statistics and Actuarial Science. Students with credit for STAT 340 or STAT 342 may not take STAT 642 for further credit. |
| Other   | Other   |

\* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

**REMINDER:** All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.


### CONTACT PERSON

|   |                         |                               |
|---|-------------------------|-------------------------------|
| Department / School / Program<br>Statistics & Actuarial Science | Contact name<br>Joan Hu | Contact email<br>joanh@sfu.ca |
|---|-------------------------|-------------------------------|

### DEPARTMENTAL APPROVAL

|  |  |                    |
|--|--|--------------------|
| Department Graduate Program Committee<br>Joan Hu | Signature<br> | Date<br>2021-01-07 |
| Department Chair<br>Tim Swartz                   | Signature<br> | Date<br>Jan 29/21  |

### FACULTY APPROVAL

|   |   |                  |
|---|---|------------------|
| Faculty Graduate Studies Committee (FGSC)<br>M. Silverman | Signature<br> | Date<br>2.4.2021 |
|---|---|------------------|

### SENATE GRADUATE STUDIES COMMITTEE APPROVAL

|  |  |                        |
|--|--|------------------------|
| Senate Graduate Studies Committee (SGSC)<br>Jeff Derksen | Signature<br> | Date<br>March 25, 2021 |
|--|--|------------------------|

### ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: \_\_\_\_\_  
 Course Attribute Value: \_\_\_\_\_  
 Instruction Mode: \_\_\_\_\_  
 Attendance Type: \_\_\_\_\_

If different from regular units:  
 Academic Progress Units: \_\_\_\_\_  
 Financial Aid Progress Units: \_\_\_\_\_





## Graduate Course Change

Attach a separate document if more space is required.

|  |            |                                      |
|--|------------|--------------------------------------|
| Course Subject/Number<br>STAT 645                            | Units<br>3 | Effective Term and Year<br>Fall 2021 |
| Course Title<br>Applied Multivariate Analysis                |            |                                      |
| Rationale for Change:<br>BUEC 333 has been re-named ECON 333 |            |                                      |

### Proposed Changes (Check all that apply)

☐ Course number ☐ Units\* ☐ Title ☐ Description ☒ Prerequisite ☐ Other \_\_\_\_\_

### Complete only the fields to be changed

| FROM  | TO  |
|---|---|
| Course Subject/Number   | Course Subject/Number   |
| Units   | Units*  |
| Course Title  | Course Title (max 100 characters)   |
| Course Short Title  | Course Short Title (max 30 characters)  |
| Description   | Description   |
| Prerequisite<br>STAT 302 or STAT 305 or STAT 650 or BUEC 333 or<br>permission of instructor. Open only to graduate students in<br>departments other than Statistics & Actuarial Science.<br>Other | Prerequisite<br>STAT 302 or STAT 305 or STAT 650 or ECON 333 or<br>permission of instructor. Open only to graduate students<br>in departments other than Statistics & Actuarial Science.<br>Other |

\* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.


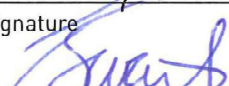


**REMINDER:** All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.


### CONTACT PERSON

|   |                         |                               |
|---|-------------------------|-------------------------------|
| Department / School / Program<br>Statistics & Actuarial Science | Contact name<br>Joan Hu | Contact email<br>joanh@sfu.ca |
|---|-------------------------|-------------------------------|

### DEPARTMENTAL APPROVAL

|  |  |                    |
|--|--|--------------------|
| Department Graduate Program Committee<br>Joan Hu | Signature<br> | Date<br>2021-01-27 |
| Department Chair<br>Tim Swartz                   | Signature<br> | Date<br>Jan 29/21  |

### FACULTY APPROVAL

|   |  |                  |
|---|--|------------------|
| Faculty Graduate Studies Committee (FGSC)<br>M. Silverman | Signature<br> | Date<br>2.4.2021 |
|---|--|------------------|

### SENATE GRADUATE STUDIES COMMITTEE APPROVAL

|  |  |                        |
|--|--|------------------------|
| Senate Graduate Studies Committee (SGSC)<br>Jeff Derksen | Signature<br> | Date<br>March 25, 2021 |
|--|--|------------------------|

### ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: \_\_\_\_\_  
 Course Attribute Value: \_\_\_\_\_  
 Instruction Mode: \_\_\_\_\_  
 Attendance Type: \_\_\_\_\_

If different from regular units:  
 Academic Progress Units: \_\_\_\_\_  
 Financial Aid Progress Units: \_\_\_\_\_



## Graduate Course Change

Attach a separate document if more space is required.

|  |          |       |   |                         |           |
|--|----------|-------|---|-------------------------|-----------|
| Course Subject/Number  | STAT 652 | Units | 3 | Effective Term and Year | Fall 2021 |
| Course Title<br>Statistical Learning and Prediction          |          |       |   |                         |           |
| Rationale for Change:<br>BUEC 333 has been re-named ECON 333 |          |       |   |                         |           |

Proposed Changes (Check all that apply)

☐ Course number ☐ Units\* ☐ Title ☐ Description ☒ Prerequisite ☐ Other \_\_\_\_\_

Complete only the fields to be changed

| FROM   | TO   |
|--|--|
| Course Subject/Number  | Course Subject/Number  |
| Units  | Units*   |
| Course Title   | Course Title (max 100 characters)  |
| Course Short Title   | Course Short Title (max 30 characters)   |
| Description  | Description  |
| Prerequisite<br>STAT 302 or STAT 305 or STAT 350 or BUEC 333 or equivalent. Students with credit for STAT 452 may not take this course for further credit. | Prerequisite<br>STAT 302 or STAT 305 or STAT 350 or ECON 333 or equivalent. Students with credit for STAT 452 may not take this course for further credit. |
| Other  | Other  |

\* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

**REMINDER:** All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.


**CONTACT PERSON**

|   |                         |                               |
|---|-------------------------|-------------------------------|
| Department / School / Program<br>Statistics & Actuarial Science | Contact name<br>Joan Hu | Contact email<br>joanh@sfu.ca |
|---|-------------------------|-------------------------------|

**DEPARTMENTAL APPROVAL**

|  |  |                    |
|--|--|--------------------|
| Department Graduate Program Committee<br>Joan Hu | Signature<br> | Date<br>2021-01-27 |
| Department Chair<br>Tim Swartz                   | Signature<br> | Date<br>Jan 29/21  |

**FACULTY APPROVAL**

|   |  |                  |
|---|--|------------------|
| Faculty Graduate Studies Committee (FGSC)<br>M. Silverman | Signature<br> | Date<br>2.4.2021 |
|---|--|------------------|

**SENATE GRADUATE STUDIES COMMITTEE APPROVAL**

|  |  |                        |
|--|--|------------------------|
| Senate Graduate Studies Committee (SGSC)<br>Jeff Derksen | Signature<br> | Date<br>March 25, 2021 |
|--|--|------------------------|

**ADMINISTRATIVE SECTION (for DGS office only)**

Course Attribute: \_\_\_\_\_  
Course Attribute Value: \_\_\_\_\_  
Instruction Mode: \_\_\_\_\_  
Attendance Type: \_\_\_\_\_

If different from regular units:  
Academic Progress Units: \_\_\_\_\_  
Financial Aid Progress Units: \_\_\_\_\_



## Graduate Course Change

Attach a separate document if more space is required.

|  |            |                                      |
|--|------------|--------------------------------------|
| Course Subject/Number<br>STAT 675                            | Units<br>3 | Effective Term and Year<br>Fall 2021 |
| Course Title<br>Applied Discrete Data Analysis               |            |                                      |
| Rationale for Change:<br>BUEC 333 has been re-named ECON 333 |            |                                      |

### Proposed Changes (Check all that apply)

☐ Course number ☐ Units\* ☐ Title ☐ Description ☒ Prerequisite ☐ Other \_\_\_\_\_

### Complete only the fields to be changed

| FROM   | TO   |
|--|--|
| Course Subject/Number  | Course Subject/Number  |
| Units  | Units*   |
| Course Title   | Course Title (max 100 characters)  |
| Course Short Title   | Course Short Title (max 30 characters)   |
| Description  | Description  |
| Prerequisite<br>STAT 302 or STAT 305 or STAT 650 or BUEC 333 or permission of instructor. Open only to graduate students in departments other than Statistics & Actuarial Science. Students with credit for STAT 402 or 602 may not take this course for further credit. | Prerequisite<br>STAT 302 or STAT 305 or STAT 650 or ECON 333 or permission of instructor. Open only to graduate students in departments other than Statistics & Actuarial Science. Students with credit for STAT 402 or 602 may not take this course for further credit. |
| Other  | Other  |

\* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.



**REMINDER:** All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.

➤ **CONTACT PERSON**

|   |                         |                               |
|---|-------------------------|-------------------------------|
| Department / School / Program<br>Statistics & Actuarial Science | Contact name<br>Joan Hu | Contact email<br>joanh@sfu.ca |
|---|-------------------------|-------------------------------|

➤ **DEPARTMENTAL APPROVAL**

|  |  |                    |
|--|--|--------------------|
| Department Graduate Program Committee<br>Joan Hu | Signature<br> | Date<br>2021-01-27 |
| Department Chair<br>Tim Swartz                   | Signature<br> | Date<br>Jan 29/21  |

➤ **FACULTY APPROVAL**

|   |  |                  |
|---|--|------------------|
| Faculty Graduate Studies Committee (FGSC)<br>M. Silverman | Signature<br> | Date<br>2.4.2021 |
|---|--|------------------|

➤ **SENATE GRADUATE STUDIES COMMITTEE APPROVAL**

|  |  |                        |
|--|--|------------------------|
| Senate Graduate Studies Committee (SGSC)<br>Jeff Derksen | Signature<br> | Date<br>March 25, 2021 |
|--|--|------------------------|

**ADMINISTRATIVE SECTION (for DGS office only)**

Course Attribute: \_\_\_\_\_  
Course Attribute Value: \_\_\_\_\_  
Instruction Mode: \_\_\_\_\_  
Attendance Type: \_\_\_\_\_

If different from regular units:  
Academic Progress Units: \_\_\_\_\_  
Financial Aid Progress Units: \_\_\_\_\_

## Graduate Course Change

Attach a separate document if more space is required.

|  |                              |       |   |                         |           |
|--|------------------------------|-------|---|-------------------------|-----------|
| Course Subject/Number  | STAT 685                     | Units | 3 | Effective Term and Year | Fall 2021 |
| Course Title   | Applied Time Series Analysis |       |   |                         |           |
| Rationale for Change:<br>BUEC 333 has been re-named ECON 333 |                              |       |   |                         |           |

### Proposed Changes (Check all that apply)

☐ Course number
 ☐ Units\*
 ☐ Title
 ☐ Description
 ☒ Prerequisite
 ☐ Other \_\_\_\_\_

### Complete only the fields to be changed

| FROM  | TO  |
|---|---|
| Course Subject/Number   | Course Subject/Number   |
| Units   | Units*  |
| Course Title  | Course Title (max 100 characters)   |
| Course Short Title  | Course Short Title (max 30 characters)  |
| Description   | Description   |
| Prerequisite<br>STAT 302 or STAT 305 or STAT 650 or BUEC 333 or permission of instructor. Open only to graduate students in departments other than Statistics & Actuarial Science.<br>Other | Prerequisite<br>STAT 302 or STAT 305 or STAT 650 or ECON 333 or permission of instructor. Open only to graduate students in departments other than Statistics & Actuarial Science.<br>Other |

\* Program requirements may need to be revised when course units are changed. Please review the calendar and submit any relevant program revisions resulting from this course change.

**REMINDER:** All course changes must be identified on a cover memo and confirmed as approved when submitted to FGSC and SGSC.


### CONTACT PERSON

|   |                         |                               |
|---|-------------------------|-------------------------------|
| Department / School / Program<br>Statistics & Actuarial Science | Contact name<br>Joan Hu | Contact email<br>joanh@sfu.ca |
|---|-------------------------|-------------------------------|

### DEPARTMENTAL APPROVAL

|  |  |                    |
|--|--|--------------------|
| Department Graduate Program Committee<br>Joan Hu | Signature<br> | Date<br>2021-01-27 |
| Department Chair<br>Tim Swartz                   | Signature<br> | Date<br>Jan 29/21  |

### FACULTY APPROVAL

|   |  |                  |
|---|--|------------------|
| Faculty Graduate Studies Committee (FGSC)<br>M. Silverman | Signature<br> | Date<br>4.2.2021 |
|---|--|------------------|

### SENATE GRADUATE STUDIES COMMITTEE APPROVAL

|  |  |                        |
|--|--|------------------------|
| Senate Graduate Studies Committee (SGSC)<br>Jeff Derksen | Signature<br> | Date<br>March 25, 2021 |
|--|--|------------------------|

#### ADMINISTRATIVE SECTION (for DGS office only)

Course Attribute: \_\_\_\_\_  
Course Attribute Value: \_\_\_\_\_  
Instruction Mode: \_\_\_\_\_  
Attendance Type: \_\_\_\_\_

If different from regular units:

Academic Progress Units: \_\_\_\_\_  
Financial Aid Progress Units: \_\_\_\_\_