

Office of Graduate Studies and Postdoctoral Fellows

Simon Fraser University Maggie Benston Centre 1100 8888 University Drive Burnaby, BC V5A 186 TEL 778.782.3042 FAX 778.782.3080

DATE

June 22, 2017

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

MEMORANDUM

ATTENTION

Senate

FROM

Jeff Derksen,

Acting Chair of Senate Graduate

Studies Committee (SGSC)

RE:

Course Changes

For information:

Acting under delegated authority and at its meeting of June 5, 2017 SGSC approved the following course changes effective **Spring 2018:**

Faculty of Arts and Social Science

1) Unit change for HIST 898 and HIST 899

Beedie School of Business

2) Unit change for BUS 553

Faculty of Education

3) Unit change for EDUC 899

Faculty of Science

- 4) Prerequisite changes for STAT 641, STAT 642, STAT 645, STAT 675 and STAT 685
- 5) Prerequisite and description change for STAT 652
- 6) Unit change for BPK 899

Special Arrangements

7) Unit and title changes for SAR 891, SAR 892, SAR 893, SAR 894 and SAR 895



SIMON FRASER UNIVERSITY GRADUATE STUDIES & POSTDOCTORAL FELLOWS

Graduate Course Change

Attach a separate document if more space is required. Course Subject/Number HIST 898 Units 6 Effective Term and Year Spring 2018 Course Title MA Thesis Rationale for Change: The number of units awarded for a thesis should be commensurate with the greater effort required to complete a thesis and to be more consistent with the minimum university unit requirements for a Master's. Proposed Changes (Check all that apply) Course number Units* Title Description Prerequisite Other____ Complete only the fields to be changed FROM Course Subject/Number Course Subject/Number Units Units* 6 18 Course Title Course Title (max 100 characters) Course Short Title Course Short Title (max 30 characters) Description Description Prerequisite Prerequisite 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.

CONTACT PERSON		
Department / School / Program	Contact name	Contact email
History	Jeremy Brown	jeremy_brown@sfu.ca
DEPARTMENTAL APPRO	VAL	
Department Graduate Program Committee	Signature	Date
Jeremy Brown	Jen Bran	28 March 2017
Department Chair	Signature	Date
Jennifer Spear	Jest &p	28 March 2017 Date 30 March 2017
FACULTY APPROVAL	V	
Faculty Graduate Studies Committee (FGSC)	Signature	Date
Usa Shapiro	My	8 May 2017
SENATE GRADUATE STU	DIES COMMITTEE APPROVAL	
Senate Graduate Studies Committee (SGSC)	Signature	Date
Joseph Derkela		15 JUN 2017
	110	201
ADMINISTRATIVE SECTION (for DGS office or	nul Variation and the second	
Course Attribute:	if different fro	m regular units:
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Attach a separate document il more space is rec	lun eu.	
Course Subject/Number HIST 899	Units 6	Effective Term and Year Spring 2018
Course Title PhD Thesis		
Rationale for Change: The number of units awarded for a thesis to complete a thesis and to match MA Thesis	s should be nesis.	e commensurate with the greater effort required
Proposed Changes (Check all that apply)		
Course number Units* Title	Description	Prerequisite Other
Complete only the fields to be changed		
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Course Subject/Number	C	Course Subject/Number
Units 6	L	Units* 18
Course Title	C	Course Title (max 100 characters)
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Prerequisite	P	Prerequisite
Other	0	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 Contact name Contact email **History** Jeremy Brown jeremy_brown@sfu.ca DEPARTMENTAL APPROVAL Department Graduate Program Committee Signature Date 28 March 2017 Jeremy Brown Department Chair Date Jennifer Spear FACULTY APPROVAL Faculty Graduate Studies Committee (FGSC) Signature Shapivo & USa SENATE GRADUATE STUDIES COMMITTEE APPROVAL Senate Graduate Studies Committee [SGSC] Signature Date 15 JM ADMINISTRATIVE SECTION (for DGS office only) Course Attribute: If different from regular units: Course Attribute Value: Academic Progress Units:

Financial Aid Progress Units:

Instruction Mode:

Attendance Type:



Attach a separate document if more space is required.	
Course Subject/Number BUS 553 Units 2	Effective Term and Year Spring 2018
Course Title Business Analytics	
Rationale for Change: Doubling the number of units would provide necessary addisophisticated software tools by doubling the contact hours, analytics in business. Please see attached rational for change.	This change would also highlight the importance of visual
Proposed Changes (Check all that apply)	
☐ Course number ☑ Units* ☐ Title ☐ Description	n Prerequisite Other
Complete only the fields to be changed	T
FROM	ТО
Course Subject/Number	Course Subject/Number
Units 2	Units* 4
Course Title	Course Title (max 100 characters)
Course Short Title	Course Short Title (max 30 characters)
Description	Description
Prerequisite	Prerequisite
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.

and SGSC. CONTACT PERSON Department / School / Program Contact name Contact email Beedie Graduate Programs Lesley McKay buscoord@sfu.ca DEPARTMENTAL APPROVAL **Department Graduate Program Committee** Signature Date Department Chair Date Signature FACULTY APPROVAL Faculty Graduate Studies Committee [FGSC] Date Signature Ian McCarthy April 20, 2017 SENATE GRADUATE STUDIES COMMITTEE APPROVAL Senate Graduate Studies Committee (SGSC) Signature 15 June 20/7 ADMINISTRATIVE SECTION (for DGS office only) If different from regular units: Course Attribute: Academic Progress Units: Course Attribute Value: __ Financial Aid Progress Units:

Instruction Mode: ___ Attendance Type: ____

Rationale for increasing the BUS553 from 2 credits to 4 credits.

Increasing the number of credits for BUS553 from 2 credit to 4 differentially impacts students in the GDBA program and the Part-Time MBA.

In the GDBA program a series of changes have created additional flexibility for students to create a personalized study plan that is more closely aligned with their needs and need not include more than the mandated 24 credits. This plan is developed in consultation with the program director. For reference these changes include:

- The addition of BUS511-Business Ethics (2 credits)
- The addition of BUS570-Project Management (4 credits)
- The change of BUS554-Managing Information Technology (from 2 credits to 4)
- As well as the proposed change of BUS553 from 2 credits to 4 credits.

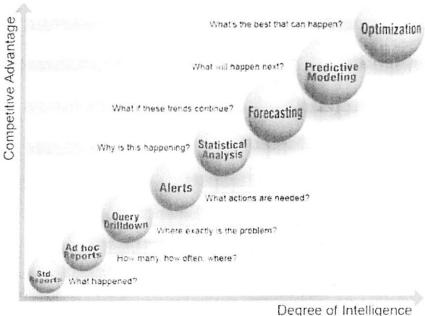
The proposed change of credits for BUS553 will increase the pool of credits from which students can develop their study plan from 32 to 34 credits of regularly scheduled courses, enhancing student choice without increasing student cost.

In the Part-Time MBA program the change from 2 credits to 4 credits will increase the number of credits taken from 56 to 58 for students beginning in 2018. An alternative considered by the committee was to change the recently added "Cross-Cultural Experience" to the First Nations communities to a non-credit course; however, these cross-cultural experiences are valuable learning opportunities and highly rated by student participants. Offering this course for credit is an important signal to all stakeholders and ensures a high standard of academic rigour obtains, while linking funding to tuition ensures that the course will be sustainable financially.

BUS 553 - Rational of the extension from 6 weeks to 13 weeks

There are two important rationales for extending this course from 6 to 13 weeks. The first reason is simply because there is a growing necessity in the market to have business managers with analytical skills and critical thinking abilities than ever before. Today, companies have data in greater variety, volume and velocity and this trend is only going to continue. Managers need abilities and skills to use sophisticated analytical tools to understand and make informed decisions using data.

The second important reason for the extension of this course is because of the course currently only covers the very basics of business analytics. The figure below (from SAS) shows increasing levels of business analytics starting with basic reporting and growing to statistical applications and optimization. Currently the 6 week course only covers content up to mid-level analytics ("Statistical Analysis"). The 13 week course would allow coverage of business analytics to levels of "forecasting" and "predictive analytics" and would also highlight the growing importance of visual analytics used in business today.





SIMON FRASER UNIVERSITY GRADUATE STUDIES & POSTDOCTORAL FELLOWS

Graduate Course Change

Attach a separate document if more space is required.	
Course Subject/Number EDUC 899 Units 1	O Effective Term and Year Spring 2018
Course Title Doctoral Thesis	
Rationale for Change:	
The change in unit value more accurately reflects the value of the Changing the credit value of EDUC 899 will also enable programs	course relative to the overall credit value of the doctoral degree. to think about number of credits assigned to coursework.
Proposed Changes (Check all that apply)	
Course number Units* Title Description	n Prerequisite Other
Complete only the fields to be changed	,
FROM	то
Course Subject/Number	Course Subject/Number
Units 10	Units* 15
Course Title	Course Title (max 100 characters)
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Course Short Title	Course Short Title (max 30 characters)
Description	Description
Prerequisite	Prerequisite
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.

and SGSC. CONTACT PERSON Department / School / Program Contact name Contact email DEPARTMENTAL APPROVAL Department Graduate Program Committee Signature Date Department Chair Signature Date FACULTY APPROVAL Faculty Graduate Studies Committee (FGSC) Signature MAY \$ 3 2017 Dr. Shawn Bullock SENATE GRADUATE STUDIES COMMITTEE APPROVAL Senate Graduate Studies Committee (SGSC) Signature Date June 2017 ADMINISTRATIVE SECTION (for DGS office only) If different from regular units: Course Attribute:

Course Attribute Value:

Instruction Mode: __ Attendance Type: ___ **Academic Progress Units:**

Financial Aid Progress Units:



FACULTY OF SCIENCE

Tim Swartz Professor Graduate Chair Statistics & Actuarial Science

MAILING ADDRESS SC K10539 8888 University Drive Burnaby, BC Canada V5A 1S6

TEL: 778.782.4579 FAX: 778.782.4368 www.stat.sfu.ca March 28, 2017

Attn: Peter Ruben, Faculty of Science Graduate Studies Committee

We would like to allow BUEC 333 as an <u>alternative</u> pre-requisite to the following courses:

STAT 641 (Introduction to Statistical Computing and Exploratory Data Analysis - R) STAT 642 (Introduction to Statistical Computing and Exploratory Data Analysis - SAS) STAT 645 (Applied Multivariate Analysis) STAT 675 (Applied Discrete Data Analysis)

STAT 685 (Applied Time Series Analysis)

Effective term: 1181

Rationale: BUEC 333 is sufficient preparation for the 600-level courses that currently require STAT 302 or 305 as a pre-requisite.

Calendar Wording: Please add "or BUEC 333" to the list of acceptable pre-requisites to each of the courses listed above.

Sincerely, Tim Swartz



Attach a separate document if more space is required.				
Course Subject/Number STAT 652 Units 3	Effective Term and Year Spring 2018			
Course Title Statistical Learning and Prediction				
Rationale for Change: slight problems discovered under the Calendar rev	view process with our new course proposal			
Proposed Changes (Check all that apply)				
Course number Units* Title Description	Prerequisite Other			
Complete only the fields to be changed	T			
FROM	ТО			
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 An introduction to the essential modern supervised and unsupervised statistical learning methods. Topics include review of linear regression, classification, statistical error measurement, flexible regression and classification methods, clustering and dimension reduction.	Description An introduction to the essential modern supervised and unsupervised statistical learning methods. Topics include review of linear regression, classification, statistical error measurement, flexible regression and classification methods, clustering and dimension reduction. Open only to graduate students in departments other than Statistics & ActSci.			
Prerequisite Stat 302 or Stat 305 or Stat 350 or equivalent.	Prerequisite Stat 302 or Stat 305 or Stat 350 or BUEC 333 or equivalent.			
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.

and SGSC. CONTACT PERSON Department / School / Program Contact name Contact email Statistics and Actuarial Science Sadika Jungic sjungic@sfu.ca DEPARTMENTAL APPROVAL Department Graduate Program Committee Signature Date Tim Swartz June 1/2017 Department Chair Signature Date Tom Loughin June 1/2017 FACULTY APPROVAL Peter Ruben DN: cn=Peter Ruben, o, ou, email=pruben@sfu.ca, c=CA Date: 2017.06.04 21:11:33 -07:00* Faculty Graduate Studies Committee (FGSC) Date 5 June 2017 Peter Ruben SENATE GRADUATE STUDIES COMMITTEE APPROVAL Senate Graduate Studies Committee (SGSC) Signature 11, June 20/7 Jeff Derksen ADMINISTRATIVE SECTION (for DGS office only) If different from regular units: Course Attribute: Academic Progress Units: Course Attribute Value: Financial Aid Progress Units: Instruction Mode: Attendance Type: ___



Attach a separate document if more space is req			*
Course Subject/Number BPK 899	^{Units} 6	Effectiv	e Term and Year Spring 2018
Course Title PhD Thesis			
Rationale for Change:			
As part of the Degree Audit Progress. Br consistent with the MSc degree (30 units			
Proposed Changes (Check all that apply)			
Course number Units* Title	Description [Prerequisit	e Other
Complete only the fields to be changed			
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^{*} 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.

and SGSC. CONTACT PERSON Contact name Department / School / Program Contact email **BPK** Tom Claydon twc5@sfu.ca DEPARTMENTAL APPROVAL Department Graduate Program Committee Signature Date 2017.02.28 15:50:50 -08'00' Department Chair Signature Wilson Officer=Angela Brooks Wilson Date DN chi-Angelo brokes welcom on Simon Fracial University, own-Borned Physian dains, child-area of Control of Control Date 2017.02 28 17 04:05-08:00 Angela Brooks-Wilson Feb. 28, 2017 FACULTY APPROVAL Faculty Graduate Studies Committee (FGSC) Signature Date Peter C Ruben Peter Ruben 9 June 2017 SENATE GRADUATE STUDIES COMMITTEE APPROVAL Senate Graduate Studies Committee (SGSC) Signature Date 15 June 20/7 ADMINISTRATIVE SECTION (for DGS office only) If different from regular units: Course Attribute: Academic Progress Units: Course Attribute Value:

Instruction Mode: _____ Attendance Type: _____ Financial Aid Progress Units:



Office of Graduate Studies and Postdoctoral Fellows

Suite 1100, Maggie Benston Student Services Centre 8888 University Drive Burnaby, BC Canada V5A 186

TEL 778.782.3042 FAX 778.782.3080

report-dgs@sfu.ca www.sfu.ca/grad

MEMORANDUM

ATTENTION

Senate Graduate Studies Committee

DATE

May

FROM

Peter Liljedahl,

Graduate Chair of Special

Arrangements

RE:

Course Changes SAR 891, 892, 893, 894 and 895

The Special Arrangements program requests the following unit and title changes for SAR 891, 892, 893, 894 and 895. These changes will assist students who need to take additional course units outside their home department and provide clarity that these courses are individualized and not taken with other students.



Attach a separate document if more space is required. Effective Term and Year Spring 2018 Course Subject/Number SAR 891 Units 3 Course Title **Special Topics** Rationale for Change: This course is not taken by multiple students on the same topic. The reading list and assignments are agreed upon on an individual basis between the student and their supervisor committee or faculty member directing the course. A one unit course is necessary to help facilitate students taking a course outside their home department and doing additional course work to bring the course units to be comparable to a course in their home department. Proposed Changes (Check all that apply) Course number Units* Title Description Prerequisite Other____ Complete only the fields to be changed FROM Course Subject/Number Course Subject/Number Units Units* Course Title (max 100 characters) Course Title Special Topics **Directed Readings** Course Short Title (max 30 characters) Course Short Title **Directed Readings** Description Description Prerequisite Prerequisite 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.

and SGSC. CONTACT PERSON Department / School / Program Contact name Contact email SAR Krista Gerlich-Fitzgerald sargrad@sfu.ca DEPARTMENTAL APPROVAL Department Graduate Program Committee Signature Date Department Chair Signature Date FACULTY APPROVAL Faculty Graduate Studies Committee (FGSC) Signature Date Peter Liljedahl MAY 18 2017 SENATE GRADUATE STUDIES COMMITTEE APPROVAL Senate Graduate Studies Committee (SGSC) Signature Date ADMINISTRATIVE SECTION (for DGS office only) If different from regular units: Course Attribute:

Course Attribute Value:

Instruction Mode: _ Attendance Type: ___ Academic Progress Units:

Financial Aid Progress Units:



Attach a separate document if more space is required. Course Subject/Number Effective Term and Year SAR 892 Spring 2018 Course Title **Special Topics** Rationale for Change: This course is not taken by multiple students on the same topic. The reading list and assignments are agreed upon on an individual basis between the student and their supervisor committee or faculty member directing the course. Proposed Changes (Check all that apply) Course number Units* Itle Description Prerequisite Other Complete only the fields to be changed FROM Course Subject/Number Course Subject/Number Units Units* 3 Course Title Course Title (max 100 characters) **Special Topics Directed Readings** Course Short Title Course Short Title (max 30 characters) **Directed Readings** Description Description Prerequisite Prerequisite 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.

and SGSC. **CONTACT PERSON** Department / School / Program Contact name Contact email SAR Krista Gerlich-Fitzgerald sargrad@sfu.ca DEPARTMENTAL APPROVAL Department Graduate Program Committee Signature Date Department Chair Signature Date FACULTY APPROVAL Faculty Graduate Studies Committee (FGSC) Signature Date MAY 1 8 2017 Peter Liljedahl SENATE GRADUATE STUDIES COMMITTEE APPROVAL Senate Graduate Studies Committee (SGSC) Signature Date 15 June 2017 **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: _



SIMON FRASER UNIVERSITY GRADUATE STUDIES & POSTDOCTORAL FELLOWS

Graduate Course Change

Attach a separate document if more space is required. Course Subject/Number SAR 893 Effective Term and Year Spring 2018 Course Title Special Topics Rationale for Change: This course is not taken by multiple students on the same topic. The reading list and assignments are agreed upon on an individual basis between the student and their supervisor committee or faculty member directing the course. Proposed Changes (Check all that apply) Course number 🗸 Units* 🗸 Title 🔲 Description 🔲 Prerequisite 🔲 Other_____ Complete only the fields to be changed Course Subject/Number Course Subject/Number Units Units* Course Title Course Title (max 100 characters) Special Topics **Directed Readings** Course Short Title (max 30 characters) Course Short Title **Directed Readings** Description Description Prerequisite Prerequisite 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.

and SGSC. CONTACT PERSON Department / School / Program Contact name Contact email SAR Krista Gerlich-Fitzgerald sargrad@sfu.ca DEPARTMENTAL APPROVAL Department Graduate Program Committee Signature Date Department Chair Signature Date FACULTY APPROVAL Faculty Graduate Studies Committee (FGSC) Signature Date MAY 1 8 2017 Peter Liljedah! SENATE GRADUATE STUDIES COMMITTEE APPROVAL

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

Jost Derkson			15 June 20/7	
ADMINISTRATIVE SECTION (for DGS office only		,		
Course Attribute:	•	If different fro	m regular units:	
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Instruction Mode:		Financial Aid F	Progress Units:	
Attendance Type:				

Date

Senate Graduate Studies Committee (SGSC) | Signature



SIMON FRASER UNIVERSITY GRADUATE STUDIES & POSTDOCTORAL FELLOWS

Graduate Course Change

Attach a separate document if more space is required. Effective Term and Year Spring 2018 Course Subject/Number SAR 894 Units 5 Course Title Special Topics Rationale for Change: This course is not taken by multiple students on the same topic. The reading list and assignments are agreed upon on an individual basis between the student and their supervisor committee or faculty member directing the course. Proposed Changes (Check all that apply) Course number 🗹 Units* 🗹 Title 🔲 Description 🔲 Prerequisite 🔲 Other _____ Complete only the fields to be changed FROM Course Subject/Number Course Subject/Number Units Units* 5 Course Title Course Title (max 100 characters) Special Topics **Directed Readings** Course Short Title Course Short Title (max 30 characters) **Directed Readings** Description Description Prerequisite Prerequisite 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	Contact name	Contact email
SAR	Krista Gerlich-Fitzgerald	sargrad@sfu.ca
DEPARTMENTAL APPRO	VAL	
Department Graduate Program Committee	Signature	Date
Department Chair	Signature	Date
FACULTY APPROVAL		
Faculty Graduate Studies Committee (FGSC) Peter Liljedah!	Signature	MAY 1 8 2017
SENATE GRADUATE STU	DIES COMMITTEE AP	PROVAL
Senate Graduate Studies Committee (SGSC) Toff DCKCL	Signature	Date 15 June 20/7
ADMINISTRATIVE SECTION (for DGS office o	nly)	If different from regular units:
Course Attribute Value:Instruction Mode:		Academic Progress Units: Financial Aid Progress Units:

Attendance Type: ____



SFU SIMON FRASER UNIVERSITY GRADUATE STUDIES & POSTDOCTORAL FELLOWS

Graduate Course Change

Attach a separate document if more space is required. Course Subject/Number SAR 895 Units 3 Effective Term and Year Spring 2018 Course Title Special Topics Rationale for Change: This course is not taken by multiple students on the same topic. The reading list and assignments are agreed upon on an individual basis between the student and their supervisor committee or faculty member directing the course. Proposed Changes (Check all that apply) Course number Units* Title Description Prerequisite Other Complete only the fields to be changed FROM Course Subject/Number Course Subject/Number Units* Units 5 3 Course Title Course Title (max 100 characters) Special Topics **Directed Readings** Course Short Title (max 30 characters) Course Short Title **Directed Readings** Description Description Prerequisite Prerequisite 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.

and SGSC. **CONTACT PERSON** Department / School / Program Contact name Contact email SAR Krista Gerlich-Fitzgerald sargrad@sfu.ca DEPARTMENTAL APPROVAL Department Graduate Program Committee Signature Date Department Chair Signature Date FACULTY APPROVAL Faculty Graduate Studies Committee (FGSC) Signature Date Peter Liljedah! MAY 1 8 2017 SENATE GRADUATE STUDIES COMMITTEE APPROVAL Senate Graduate Studies Committee (SGSC) Signature Date 15 June 2017 **ADMINISTRATIVE SECTION (for DGS office only)**

Course Attribute:

Course Attribute Value:

Instruction Mode: ____ Attendance Type: ____ If different from regular units:

Financial Aid Progress Units:

Academic Progress Units: