

April 2017

Baruch College

Chancellor's University Report – Part A: Academic Matters

PART A: Academic Matters

All: Change in Degree Programs

All: 1.1 The following revisions are proposed for the BBA in Real Estate in the Zicklin School of Business

The following recommendations of the Committee on Undergraduate Curriculum were approved at the Zicklin School of Business Faculty Meeting on February 23, 2017, effective Spring 2018 semester pending approval of the Board of Trustees.

Program: BBA in Real Estate

Program Code: 21849

MHC Program Code: 60006

HEGIS Code: 0702.00

Effective: Spring 2018

From:			To:		
BBA in Real Estate			BBA in Real Estate		
Real Estate Investment					
Course	Description	Crs	Course	Description	Crs
Required Courses		15	Required Courses		15
RES 3000	Real Estate Law	3	RES 3000	Real Estate Law	3
RES 3100	Real Estate Principles	3	RES 3100	Real Estate Principles	3
RES 3200	Real Estate Finance and Investment	3	RES 3200	Real Estate Finance and Investment	3
RES 3400	Real Estate Capital Markets	3	RES 3400	Real Estate Capital Markets	3
RES 3900	Real Estate Development	3	RES 3900	Real Estate Development	3
Elective Courses		9	Elective Courses		9
Choose three (3) courses of 3 credits each from the following, at least two of which should be 4000 level classes.			Choose three (3) courses of 3 credits each from the following, at least two of which <u>must</u> be 4000 level classes.		

RES 3320	Urban Economics	3	RES 3320	Urban Economics	3
RES 3300	Real Estate Valuation and Feasibility Study	3	RES 3300	Real Estate Valuation and Feasibility Study	3
RES 3550	Analytical Skills in Real Estate	3	RES 3550	Analytical Skills in Real Estate	3
RES 3700	Real Estate Management	3	RES 3700	Real Estate Management	3
RES 3800	Real Estate Construction Process: Building, Cost, and Management Issues	3	RES 3800	Real Estate Construction Process: Building, Cost, and Management Issues	3
RES 4200	Investment Strategies in Property Markets	3	RES 4200	Investment Strategies in Property Markets	3
RES 4400	Valuations and Underwriting of Securitized Real Estate	3	RES 4400	Valuations and Underwriting of Securitized Real Estate	3
RES 4900	Real Estate Development: Case Development	3	RES 4900	Real Estate Development: Case Development	3
FIN 3610	Corporate Finance	3	FIN 3610	Corporate Finance	3
FIN 3710	Investment Analysis	3	FIN 3710	Investment Analysis	3
ECO 4000	Statistical Analysis for Economics and Finance	3	ECO 4000	Statistical Analysis for Economics and Finance	3
RES 4093	Special Topics in Real Estate	3	RES 4093	Special Topics in Real Estate	3

Rationale: We are changing the wording in our electives description from “should” to “must” to remove any ambiguity about the electives that a student is allowed to take to fulfill the elective requirements in the real estate major program of study. This change will dissuade any students from the notion that it is optional to take two 4000 classes.

All: 1.2 The following revisions are proposed for the required Business Core for the BBA of the Zicklin School of Business

The following recommendations of the Undergraduate Curriculum Committee were approved at the Zicklin School of Business Faculty Meeting on October 13, 2016, effective Fall 2017 semester pending approval of the Board of Trustees.

From:			To:		
BBA			BBA		
Course	Description	Crs	Course	Description	Crs
Required Courses					
ACC 2101	Principle of Accounting	3	ACC 2101	Principle of Accounting	3
ACC 3202	Accounting Information Systems (required for accounting majors) or	3	ACC 3202	Accounting Information Systems (required for accounting majors) or	3
ACC 2203			ACC 2203		

	Principles of Managerial Accounting (required for non-accounting majors)			Principles of Managerial Accounting (required for non-accounting majors)	
BPL 5100	Business Policy	3	BPL 5100	Business Policy	3
BUS 1000	Introduction to Business	3	BUS 1011	Business Fundamentals: The Contemporary Business Landscape	3
CIS 2200	Introduction to Information Systems and Technologies	3	CIS 2200	Introduction to Information Systems and Technologies	3
FIN 3000	Principles of Finance	3	FIN 3000	Principles of Finance	3
LAW 1101	Fundamentals of Business Law	3	LAW 1101	Fundamentals of Business Law	3
MGT 3120	Fundamentals of Management	3	MGT 3120	Fundamentals of Management	3
MGT 3121	Service Operations Management	3	MGT 3121	Service Operations Management	3
MKT 3000	Marketing Foundations	3	MKT 3000	Marketing Foundations	3

Rationale: BUS1011 is to replace current BUS1000: Introduction to Business, a required course for all Zicklin undergraduate students. There are two primary reasons for this change. First, BUS1011 is a much enhanced course over BUS1000, especially in areas of business ethics and Excel skills. Second, this change corrects a loophole in the transfer policy that allows students to waive BUS1000 if they have three business related courses in other institutions. Students who use this waiver are often ill-prepared for upper level business courses. Under the revised curriculum, transfer students may get waivers for BUS1011 only if an articulation agreement exists between Baruch College and the transferring institution for BUS1011. Baruch has already initiated the effort to collaborate with other CUNY colleges to either develop new courses that are equivalent to BUS1011 or identify or modify existing courses that cover the key topics taught in BUS1011. Most of the articulation agreements are expected to be completed before Fall 2017. Students who have received a grade of “F” in Bus 1000 will be eligible to use BUS 1011 in compliance with CUNY’s “F replacement policy”.

All:1.3 Change in Degree Programs

The following revisions are proposed for the MS in Quantitative Methods and Modeling in the Zicklin School of Business

Program: MS in QMM

HEGIS Code: 0507.00

Program Code: 79230

Effective: Spring 2018

From: MS in QMM			To: MS in QMM		
Business Communication Requirement			Business Communication Requirement		
BUS 9551*		1.5	BUS 9551*		1.5
Preliminary Courses (8.5-10 credits)			Preliminary Courses (7 credits)		
MTH 2610	Calculus I	4	MTH 2610	Calculus I	4
STA 9708	Managerial Statistics	3	STA 9708	Managerial Statistics	3
ACC 9110 (OR) ECO 9730	Financial Accounting	3			
	Fundamentals of Microeconomics	1.5			
<p>Note: MTH 2610 is an undergraduate course. Entering students are strongly encouraged to complete a minimum of three credits of calculus before starting the MS program to waive this math requirement.</p>					
Course	Description	Crs	Course	Description	Crs
Courses in Specialization (30 credits)			Courses in Specialization (30 credits)		
Required Courses (16.5 credits)			Required Courses (15 credits)		
CIS 9001	Information Systems for Managers I	1.5			
CIS 9340	Principles of Database Management I	3	CIS 9340	Principles of Database Management I	3
OPR 9721	Introduction to Quantitative Modeling	3	OPR 9721	Introduction to Quantitative Modeling	3
OPR 9730	Simulation Modeling and Analysis	3	OPR 9730	Simulation Modeling and Analysis	3
OPR/STA 9750	Basic Software Tools for Data Analysis	3	OPR/STA 9750	Basic Software Tools for Data Analysis	3
STA 9700	Applied Regression Analysis	3	STA 9700	Applied Regression Analysis	3
Elective Courses (13.5 credits)			Elective Courses (15 credits)		
<p>It is recommended that the student select at least three credits in each of the three areas: OPR, STA, and CIS. A maximum of 9 credits may be selected from any one area. With approval of the department advisor students may select BUS 9801 – BUS 9803 Graduate Internship or an approved quantitatively oriented course offered outside the department.</p> <p>It is recommended that the student select at least three credits in each of the three areas: OPR, STA, and CIS. Students may select BUS 9801 – BUS 9803 Graduate Internship</p>			<p><u>Students can select any OPR, STA, CIS or MTH course totaling 15 credits. With the approval of the department advisor students may select quantitatively-oriented course(s) in other areas. Students may select appropriate Graduate Internship courses.</u></p>		

<p>or one course offered outside the department.</p>	
<p>* Effective for all MS-Quantitative Methods and Modeling students admitted in spring 2016 or later. Students admitted prior to spring 2016 should consult their preliminary course evaluation and/or waiver exam results, since other requirements and conditions may apply.</p>	<p>* Effective for all MS-Quantitative Methods and Modeling students admitted in spring 2016 or later. Students admitted prior to spring 2016 should consult their preliminary course evaluation and/or waiver exam results, since other requirements and conditions may apply.</p>

Rationale: Two courses are removed from the preliminary requirements (ACC 9110 and ECO 9730) in order to strengthen the appeal of the program in comparison to other alternatives offered both within Baruch College and elsewhere. These two courses were not essential for students who want to earn a degree in Quantitative Modeling. This simplifies a process that was already very complex and was not always possible to adhere to, due to course scheduling conflicts. The majority of the time, students were given a waiver from the requirement to take at least three credits in each of the three areas. So this change reduces the complexity by formalizing what was already being done.

CIS 9001 is removed as a required course as it is no longer a prerequisite for the required course CIS 9340. Students now will have the option of taking CIS 9000 (3 credit course) as one of the elective courses. This also helps the program appeal to a broader student population as the program now provides students more flexibility.

All:1.4 The following revisions are proposed for the MS in Statistics in the Zicklin School of Business

Program: MS in Statistics

HEGIS Code: 0503.00

Program Code: 79229

Effective: Spring 2018

From: MS in Statistics	To: MS in Statistics
English Proficiency Requirements	English Proficiency Requirements
<p>Students who completed their undergraduate education in a non-English speaking country will be required to take non-credit bearing modules in Grammar Troubleshooting and American English Pronunciation offered by the Division of Continuing and Professional Studies. These modules may be waived based on a waiver exam. The modules are not required for students who completed a four- year degree in an English-speaking country.</p>	<p>Students who completed their undergraduate education in a non-English speaking country will be required to take non-credit bearing modules in Grammar Troubleshooting and American English Pronunciation offered by the Division of Continuing and Professional Studies. These modules may be waived based on a waiver exam. The modules are not required for students who completed a four- year degree in an English-speaking country.</p>

Preliminary Courses (9 courses)			Preliminary Courses (9 courses)		
Students with appropriate academic background will be able to reduce the number of credits in preliminary requirements. Grades in undergraduate mathematics courses are not calculated in the grade point average.			Students with appropriate academic background will be able to reduce the number of credits in preliminary requirements. Grades in undergraduate mathematics courses are not calculated in the grade point average.		
MTH 2610	Calculus I	4	MTH 2610	Calculus I	4
MTH 3010	Elementary Calculus II	4	MTH 3010	Elementary Calculus II	4
STA 9708	Managerial Statistics	3	STA 9708	Managerial Statistics	3
Note: MTH 2610 and MTH 3010 are undergraduate courses. Entering students are strongly advised to complete a minimum of six credits of calculus before starting the MS programs in Statistics, in order to waive these math requirements.			Note: MTH 2610 and MTH 3010 are undergraduate courses. Entering students are strongly advised to complete a minimum of six credits of calculus before starting the MS programs in Statistics, in order to waive these math requirements.		
Course	Description	Crs	Course	Description	Crs
Courses in Specialization (31.5)			Courses in Specialization (31.5)		
Required for General and Data Science Track 13.5 credits			Required for General and Data Science Track 13.5 credits		
BUS 9551	Business Communication I	1.5	BUS 9551	Business Communication I	1.5
STA 9700	Applied Regression Analysis	3	STA 9700	Applied Regression Analysis	3
STA 9715	Applied Probability	3	STA 9715	Applied Probability	3
STA 9719	Foundations of Statistical Inference	3	STA 9719	Foundations of Statistical Inference	3
STA 9750 (OPR 9750)	Software Tools for Data Analysis	3	STA 9750 (OPR 9750)	Software Tools for Data Analysis	3
Choose 12 credits from the following courses:			General Track Choose 12 credits from the following courses:		
STA 9690*	Advanced Data Mining for Business Analytics	3	STA 9690*	Advanced Data Mining for Business Analytics	3
STA 9701	Time Series: Forecasting and Statistical Modeling	3	STA 9701	Time Series: Forecasting and Statistical Modeling	3
STA 9705	Multivariate Statistical Methods	3	STA 9705	Multivariate Statistical Methods	3
STA 9706	Analysis of Categorical and Ordinal Data	3	STA 9706	Analysis of Categorical and Ordinal Data	3
STA 9710	Statistical Methods in Sampling and Auditing	3	STA 9710	Statistical Methods in Sampling and Auditing	3
STA 9712	Advanced Linear Models	3	STA 9712	Advanced Linear Models	3

STA 9713	Financial Statistics	3	STA 9713	Financial Statistics	3
STA 9714	Experimental Design for Business	3	STA 9714	Experimental Design for Business	3
			<u>CIS/MTH/STA 9760</u>	<u>Big Data Technologies</u>	<u>3</u>
STA 9783 (OPR 9783)	Stochastic Processes for Business Applications	3	STA 9783 (OPR 9783)	Stochastic Processes for Business Applications	3
STA 9791	Special Topics in Statistics	1	STA 9791	Special Topics in Statistics	1
STA 9792	Special Topics in Statistics	1.5	STA 9792	Special Topics in Statistics	1.5
STA 9793	Special Topics in Statistics	2	STA 9793	Special Topics in Statistics	2
STA 9794	Special Topics in Statistics	3	STA 9794	Special Topics in Statistics	3
			<u>STA 9890*</u>	<u>Statistical Learning for Data Mining</u>	<u>3</u>
			<u>STA 9891*</u>	<u>Machine Learning for Data Mining</u>	<u>3</u>
			<u>STA 9796</u>	<u>Statistical Natural Language Processing</u>	<u>1.5</u>
			<u>STA 9797</u>	<u>Advanced Data Analysis</u>	<u>1.5</u>
			STA 9850 (OPR 9850)	Advanced Statistical Computing	3
			<u>Data Science Track:</u>		
			<u>Additional Required Courses for Data Science Track</u>		
			STA 9705	Multivariate Statistical Methods	3
			<u>STA 9890*</u>	<u>Statistical Learning for Data Mining</u>	<u>3</u>
			<u>STA 9891*</u>	<u>Machine Learning for Data Mining</u>	<u>3</u>
			<u>Choose at least 3 credits from the following courses:</u>		
			<u>CIS/MTH/STA 9760</u>	<u>Big Data Technologies</u>	<u>3</u>
			<u>STA/MTH 9796</u>	<u>Statistical Natural Language Processing</u>	<u>1.5</u>
			<u>STA/MTH 9797</u>	<u>Advanced Data Analysis</u>	<u>1.5</u>

	*Students may not receive credit for STA 9690 and STA 9890 and/or STA 9891.
Business Electives for General Track and Data Science Track (6 credits):	Business Electives for General Track and Data Science Track (6 credits):
Choose two 9000-level courses from the graduate offerings of the Zicklin School of Business, with the exception of STA 9708; courses applied towards a prior master's degree; or courses that do not allow credit to be given for both that course and another statistics course. Students may take additional statistics courses as their business electives.	Choose two 9000-level courses from the graduate offerings of the Zicklin School of Business, with the exception of STA 9708; courses applied towards a prior master's degree; or courses that do not allow credit to be given for both that course and another statistics course. Students may take additional statistics courses as their business electives.

Rationale: A central proposal of the Data Science Concentration is the creation of two data mining courses - *STA 9890 Statistical Learning for Data Mining 1* and *STA 9891 Machine Learning for Data Mining*. This concentration will also feature *STA 9760 Big Data Technologies*, to be cross-listed with CIS and Math, which will cover the technical aspects of computing on massive data sets. Two additional 1.5 credit courses (*STA 9796: Statistical Natural Language Processing* and *STA 9797: Advanced Data Analysis*), to be cross-listed with the Math Department, have been created to give students knowledge of advanced statistical methods.

AIV: New Courses

AIV.1.1

CUNYfirst Course ID	
Department(s)	Department of Information Systems and Statistics
Career	<input type="checkbox"/> Undergraduate <input checked="" type="checkbox"/> Graduate
Academic Level	<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Compensatory <input type="checkbox"/> Developmental <input type="checkbox"/> Remedial
Subject Area	Statistics
Course Prefix	STA
Course Number	9890
Course Title	Statistical Learning for Data Mining
Catalogue Description	This course applies multiple regression techniques to the increasingly important study of very large data sets. Those techniques include linear and logistic model fitting, inference, and diagnostics. Methods with special applicability for Big Data will be emphasized, such as lasso and ridge regression. Issues of model complexity, the bias-variance tradeoff, and model validation will be studied in the context of large data sets. Methods that rely less on distributional assumptions are also introduced, including cross-validation, bootstrap resampling, and nonparametric methods. Students will learn dimension reduction methods, correlation analysis, and random forests.

Pre- or Co-requisite	Pre-Requisite STA 9700; Pre- or Co-Requisite STA 9715
Credits	3
Contact Hours	3
Liberal Arts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Course Attribute (e.g. Writing Intensive, Honors, etc.)	
Course Applicability	<input type="checkbox"/> Major <input type="checkbox"/> Gen Ed Required <input type="checkbox"/> Gen Ed - Flexible <input type="checkbox"/> Gen Ed - College Option <input type="checkbox"/> English Composition <input type="checkbox"/> World Cultures <input type="checkbox"/> Mathematics <input type="checkbox"/> US Experience in its Diversity College Option Detail _____ <input type="checkbox"/> Science <input type="checkbox"/> Creative Expression <input type="checkbox"/> Individual and Society <input type="checkbox"/> Scientific World
Effective Term	Spring 2018

Rationale: For purposes of creating a Data Science track within the MS Statistics program, this course will cover in depth current methods in data mining using regression techniques.

AIV.1.2

CUNYfirst Course ID	
Department(s)	Department of Information Systems and Statistics
Career	<input type="checkbox"/> Undergraduate <input checked="" type="checkbox"/> Graduate
Academic Level	<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Compensatory <input type="checkbox"/> Developmental <input type="checkbox"/> Remedial
Subject Area	Statistics
Course Prefix	STA
Course Number	9891
Course Title	Machine Learning for Data Mining

Catalogue Description	This course concentrates on classification-oriented tools for data mining. Topics will include support vector machines, neural networks, regression trees, bagging, boosting and additive trees, nearest-neighbors methods, and cluster analysis. Students will implement these techniques on big-data case studies throughout the semester. Examples will include instances of both supervised and unsupervised learning.
Pre-requisite	Pre-requisite STA 9705
Credits	3
Contact Hours	3
Liberal Arts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Course Attribute (e.g. Writing Intensive, Honors, etc.)	
Course Applicability	<input type="checkbox"/> Major <input type="checkbox"/> Gen Ed Required <input type="checkbox"/> Gen Ed - Flexible <input type="checkbox"/> Gen Ed - College Option <input type="checkbox"/> English Composition <input type="checkbox"/> World Cultures <input type="checkbox"/> Mathematics <input type="checkbox"/> US Experience in its Diversity College Option Detail _____ <input type="checkbox"/> Science <input type="checkbox"/> Creative Expression <input type="checkbox"/> Individual and Society <input type="checkbox"/> Scientific World
Effective Term	Spring 2018

Rationale: For purposes of creating a Data Science track within the MS Statistics program, this course will cover in depth current methods in data mining using classification techniques.

AIV.1.3

CUNYfirst Course ID	
Department(s)	Department of Information Systems and Statistics
Career	<input type="checkbox"/> Undergraduate <input checked="" type="checkbox"/> Graduate

Academic Level	<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Compensatory <input type="checkbox"/> Developmental <input type="checkbox"/> Remedial
Subject Area	Statistics
Course Prefix	STA
Course Number	9760
Course Title	Big Data Technologies
Catalogue Description	The explosion of data collection and aggregation technologies has given rise to data-intensive problems. This course will give students an overview of the big data technologies that will help efficiently store, extract, and process very large datasets. Students will learn key data analysis and management techniques, including critical concepts such as Distributed File Systems (storage concepts) and MapReduce/Spark (processing concepts) that power modern big data technologies. In addition, the course will also show how big data technologies can also be used in statistical/machine learning methods to effectively analyze large volumes of data.
Pre-requisite	STA 9708; STA 9750 or equivalent
Credits	3
Contact Hours	3
Liberal Arts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Course Attribute (e.g. Writing Intensive, Honors, etc.)	
Course Applicability	<input type="checkbox"/> Major <input type="checkbox"/> Gen Ed Required <input type="checkbox"/> Gen Ed - Flexible <input type="checkbox"/> Gen Ed - College Option <input type="checkbox"/> English Composition <input type="checkbox"/> World Cultures <input type="checkbox"/> Mathematics <input type="checkbox"/> US Experience in its Diversity College Option Detail _____ <input type="checkbox"/> Science <input type="checkbox"/> Creative Expression <input type="checkbox"/> Individual and Society <input type="checkbox"/> Scientific World
Effective Term	Spring 2018

Rationale: For the purposes of creating a Data Science track within the MS Statistics program, this course will cover current methods for extracting information from massive data sets, often while using algorithms that already push computing resources to their limits. It is intended that students will get hands-on experience using CUNY's super-computer resources.

AIV.1.4

CUNYfirst Course ID	
Department(s)	Department of Information Systems and Statistics
Career	<input type="checkbox"/> Undergraduate <input checked="" type="checkbox"/> Graduate
Academic Level	<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Compensatory <input type="checkbox"/> Developmental <input type="checkbox"/> Remedial
Subject Area	Statistics
Course Prefix	STA
Course Number	9796
Course Title	Statistical Natural Language Processing
Catalogue Description	The aim of this course is to provide the students with experience in applying mathematical models, cutting-edge algorithms, and large-scale computing resources to the analysis of big data in real-world settings. Subjects to be covered will be drawn from areas such as time series analysis, mathematical modeling, formulation of algorithms, and natural language processing. Students will gain an invaluable experience in analyzing quantitative and qualitative data, and learn best in-class practices for applying these models to real world datasets.
Pre-requisite	STA 9708 or equivalent
Credits	1.5
Contact Hours	1.5
Liberal Arts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Course Attribute (e.g. Writing Intensive, Honors, etc.)	
Course Applicability	<input type="checkbox"/> Major <input type="checkbox"/> Gen Ed Required <input type="checkbox"/> Gen Ed - Flexible <input type="checkbox"/> Gen Ed - College Option <input type="checkbox"/> English Composition <input type="checkbox"/> World Cultures <input type="checkbox"/> Mathematics <input type="checkbox"/> US Experience in its Diversity College Option Detail _____ <input type="checkbox"/> Science

	<input type="checkbox"/> Creative Expression <input type="checkbox"/> Individual and Society <input type="checkbox"/> Scientific World
Effective Term	Spring 2018

Rationale: As part of creating a Data Science track within the MS Statistics program, this 1.5 credit course will offer students hands-on opportunities to tackle data mining problems in the rough-and-tumble of real-world applications. The teaching will generally be done by adjuncts who are actively working in the field of data mining. The class will be cross-listed with the Math department. This course will provide a survey of the challenges, concepts, and methodologies employed in Natural Language Processing (NLP).

AIV.1.5

CUNYfirst Course ID	
Department(s)	Department of Information Systems and Statistics
Career	<input type="checkbox"/> Undergraduate <input checked="" type="checkbox"/> Graduate
Academic Level	<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Compensatory <input type="checkbox"/> Developmental <input type="checkbox"/> Remedial
Subject Area	Statistics
Course Prefix	STA
Course Number	9797
Course Title	Advanced Data Analysis
Catalogue Description	The aim of this course is to provide the students with experience in applying mathematical models, cutting-edge algorithms, and large-scale computing resources to the analysis of big data in real-world settings. Subjects to be covered will be drawn from areas such as time series analysis, mathematical modeling, formulation of algorithms, and natural language processing. Students will learn to use MATLAB programming language or an equivalent platform to formulate models, evaluate data, uncover significant factors, estimate parameter values, and predict outcome values required for business decisions. Each lecture will focus on a different mathematical model and problem solving technique, and each lecture will be separated into two parts. In the first part, students will be presented with the theory and framework of the model and an overview of where these models are appropriate and how to apply these models to business applications. The second part of the class will focus on a case study and an application of the model using real-world data. Written projects and homework assignments will prepare students for clear communication of their analysis in professional settings as well as reinforce the classroom examples.
Pre-requisite	STA 9708 or equivalent

Credits	1.5
Contact Hours	1.5
Liberal Arts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Course Attribute (e.g. Writing Intensive, Honors, etc.)	
Course Applicability	<input type="checkbox"/> Major <input type="checkbox"/> Gen Ed Required <input type="checkbox"/> Gen Ed - Flexible <input type="checkbox"/> Gen Ed - College Option <input type="checkbox"/> English Composition <input type="checkbox"/> World Cultures <input type="checkbox"/> Mathematics <input type="checkbox"/> US Experience in its Diversity College Option Detail _____ <input type="checkbox"/> Science <input type="checkbox"/> <input type="checkbox"/> Creative Expression <input type="checkbox"/> Individual and Society <input type="checkbox"/> Scientific World
Effective Term	Spring 2018

Rationale: As part of creating a Data Science track within the MS Statistics program, this 1.5 credit course will offer students hands- on opportunities to tackle data mining problems in the rough-and-tumble of real-world applications. The teaching will generally be done by adjuncts who are actively working in the field of data mining. The class will be cross-listed with the Math department. Subjects to be covered will be drawn from areas such as time series analysis, mathematical modeling, formulation of algorithms, and natural language processing.

AV: Changes in Existing Courses

AV: 1.1 Change in Course Pre-requisites in the William Newman Department of Real Estate

CUNYFirst Course ID			
FROM		TO	
Departments			William Newman Department of Real Estate

	William Newman Department of Real Estate		
Course	RES 3550 Analytical Skills in Real Estate	Course	RES 3550 Analytical Skills in Real Estate
Pre or co requisite	FIN 3000 or departmental permission	Pre or co requisite	FIN 3000 or departmental permission
Hours	3	Hours	3
Credits	3	Credits	3
Description	<p>This course exposes students to two major aspects of real estate analysis. The first is an understanding of key concepts and data sources that are needed to conduct commercial real estate analysis, including issues of policy and financial feasibility and the appreciation of the key issues of risk assessment and present value. The second major component of this course is an understanding of the use of major quantitative analysis tools, including the ability to perform basic calculations. The course makes use of standard spreadsheet software such as Argus to facilitate the understanding and calculation of the value of an investment. The class includes real data examples and computer laboratory assignments. This course offers students a grounding in analytic and quantitative techniques of real estate financial analysis.</p>	Description	<p>This course exposes students to two major aspects of real estate analysis. The first is an understanding of key concepts and data sources that are needed to conduct commercial real estate analysis, including issues of policy and financial feasibility and the appreciation of the key issues of risk assessment and present value. The second major component of this course is an understanding of the use of major quantitative analysis tools, including the ability to perform basic calculations. The course makes use of standard spreadsheet software such as Argus to facilitate the understanding and calculation of the value of an investment. The class includes real data examples and computer laboratory assignments. This course offers students a grounding in analytic and quantitative techniques of real estate financial analysis.</p>
Requirement Designation	Business	Requirement Designation	Business

Liberal Arts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Liberal Arts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Course Attribute (e.g. Writing Intensive, Honors, etc)		Course Attribute (e.g. Writing Intensive, Honors, etc)	
Course Applicability	<input checked="" type="checkbox"/> Major <input type="checkbox"/> Gen Ed Required <input type="checkbox"/> English Composition <input type="checkbox"/> Mathematics <input type="checkbox"/> Science <input type="checkbox"/> Gen Ed Flexible <input type="checkbox"/> World Cultures <input type="checkbox"/> US Experience in its Diversity <input type="checkbox"/> Creative Expression <input type="checkbox"/> Individual and Society <input type="checkbox"/> Scientific World <input type="checkbox"/> Gen Ed – College Option College Option Detail	Course Applicability	<input checked="" type="checkbox"/> Major <input type="checkbox"/> Gen Ed Required <input type="checkbox"/> English Composition <input type="checkbox"/> Mathematics <input type="checkbox"/> Science <input type="checkbox"/> Gen Ed Flexible <input type="checkbox"/> World Cultures <input type="checkbox"/> US Experience in its Diversity <input type="checkbox"/> Creative Expression <input type="checkbox"/> Individual and Society <input type="checkbox"/> Scientific World
Effective Term	Fall 2017		

Rationale: We want to delete “departmental permission” as an alternative prerequisite. The concepts learned in FIN 3000 are necessary for RES 3550. We do not want to give an erroneous impression to students that FIN 3000 will be waived.

AV:1.2 Change in Title Description and Pre-requisites

CUNYFirst Course ID			
FROM		TO	
Departments	Statistics and Information Systems	Departments	Statistics and Information Systems
Course	CIS 9350 Networks and Telecommunications	Course	CIS 9350 Networks and Telecommunications

Pre-requisite	CIS 9000 or CIS 9001	Pre-requisite	None
Hours	3	Hours	3
Credits	3	Credits	3
Description	Key technical and managerial issues in the development of the telecommunications resource by organizations. The course covers technology (the underlying technology of information communications facilities, networking systems, and communications software) architecture (the way in which hardware, software, and services can be organized to provide computer and terminal interconnection), and applications (how information communications and networking systems can meet the cost constraints and requirements of today's business).	Description	Key technical and managerial issues in the development of the telecommunications resource by organizations. The course covers technology (the underlying technology of information communications facilities, networking systems, and communications software) architecture (the way in which hardware, software, and services can be organized to provide computer and terminal interconnection), and applications (how information communications and networking systems can meet the cost constraints and requirements of today's business).
Requirement Designation		Requirement Designation	
Liberal Arts	<input type="checkbox"/> Yes <input type="checkbox"/> No	Liberal Arts	<input type="checkbox"/> Yes <input type="checkbox"/> No
Course Attribute (e.g. Writing Intensive, Honors, etc.)		Course Attribute (e.g. Writing Intensive, Honors, etc.)	
Course Applicability	<input type="checkbox"/> Major <input type="checkbox"/> Gen Ed Required <input type="checkbox"/> English Composition <input type="checkbox"/> Mathematics <input type="checkbox"/> Science <input type="checkbox"/> Gen Ed Flexible <input type="checkbox"/> World Cultures	Course Applicability	<input type="checkbox"/> Major <input type="checkbox"/> Gen Ed Required <input type="checkbox"/> English Composition <input type="checkbox"/> Mathematics <input type="checkbox"/> Science <input type="checkbox"/> Gen Ed Flexible <input type="checkbox"/> World Cultures

	____ US Experience in its Diversity ____ Creative Expression ____ Individual and Society ____ Scientific World ____ Gen Ed – College Option College Option Detail		____ US Experience in its Diversity ____ Creative Expression ____ Individual and Society ____ Scientific World
Effective Term	Spring 2018		

Rationale: The course prerequisites have been modified to keep in line with the changes made to the structure of the MBA curriculum. One of the prerequisites for the course – CIS 9001 – will be phased out, while the other – CIS 9000 – has recently been reinstated under a different name with emphasis on IT strategy. The content of CIS 9000/9001 would have been a useful prerequisite for CIS 9350. However, the recent changes in the MBA program structure that moved CIS 9000 from a required core course to a flex-core course have necessitated the removal of these prerequisites. Instead the content and delivery of CIS 9350 will be modified to take the loss of these prerequisites into account. Further, this change will allow a larger share of students who do not take CIS 9000 to enroll in CIS 9350 to learn about networking.

AV:1.3 Change in Title, Description and Pre-requisites

CUNYFirst Course ID			
FROM		TO	
Departments	Statistics and Information Systems	Departments	Statistics and Information Systems
Course	CIS 9445 Digital Media Management	Course	CIS 9445 Digital Media Management
Pre-requisite	CIS 9000 or CIS 9001	Pre-requisite	None
Hours	3	Hours	3
Credits	3	Credits	3
Description	This course introduces students to the various information technologies that are common in the media and entertainment industries. The students learn how those technologies are used,	Description	This course introduces students to the various information technologies that are common in the media and entertainment industries. The students learn how those technologies are used, the

	<p>the opportunities they provide for media executives to position their companies amid severe disruptions, and the threats they pose to traditional media. Specifically, students learn the strategies, techniques, and technologies used in the production, distribution, and monetization of digital media and learn to understand, analyze, and implement them for business purposes. As part of the course, the students are expected to use technology to launch and maintain a media property or a product or service relevant to the media industry. They also learn about the technologies used to gauge progress toward strategic goals through measurement of various metrics. Finally, they gain an understanding of the challenges of managing technology-based media effectively to achieve business objectives.</p>		<p>opportunities they provide for media executives to position their companies amid severe disruptions, and the threats they pose to traditional media. Specifically, students learn the strategies, techniques, and technologies used in the production, distribution, and monetization of digital media and learn to understand, analyze, and implement them for business purposes. As part of the course, the students are expected to use technology to launch and maintain a media property or a product or service relevant to the media industry. They also learn about the technologies used to gauge progress toward strategic goals through measurement of various metrics. Finally, they gain an understanding of the challenges of managing technology-based media effectively to achieve business objectives.</p>
Requirement Designation		Requirement Designation	
Liberal Arts	<input type="checkbox"/> Yes <input type="checkbox"/> No	Liberal Arts	<input type="checkbox"/> Yes <input type="checkbox"/> No
Course Attribute (e.g. Writing Intensive, Honors, etc.)		Course Attribute (e.g. Writing Intensive, Honors, etc.)	
Course Applicability	<input type="checkbox"/> Major <input type="checkbox"/> Gen Ed Required	Course Applicability	<input type="checkbox"/> Major <input type="checkbox"/> Gen Ed Required <input type="checkbox"/> English Composition

	<input type="checkbox"/> English Composition <input type="checkbox"/> Mathematics <input type="checkbox"/> Science <input type="checkbox"/> Gen Ed Flexible <input type="checkbox"/> World Cultures <input type="checkbox"/> US Experience in its Diversity <input type="checkbox"/> Creative Expression <input type="checkbox"/> Individual and Society <input type="checkbox"/> Scientific World <input type="checkbox"/> Gen Ed – College Option College Option Detail		<input type="checkbox"/> Mathematics <input type="checkbox"/> Science <input type="checkbox"/> Gen Ed Flexible <input type="checkbox"/> World Cultures <input type="checkbox"/> US Experience in its Diversity <input type="checkbox"/> Creative Expression <input type="checkbox"/> Individual and Society <input type="checkbox"/> Scientific World
Effective Term	Spring 2018		

Rationale: The course prerequisites are dropped to keep in line with the changes made to the structure of the MBA curriculum. The department does not plan to offer CIS 9001 in the future. This change will now allow a larger share of students who do not take CIS 9000 to still enroll in this course.

AV:1.4 Change in course pre-requisite in Management Department

CUNY First Course ID			
FROM		TO	
Departments	Management Department	Departments	Management Department
Course	MGT 9975 / RES 9980 Real Estate Entrepreneurship	Course	MGT 9975 / RES 9980 Real Estate Entrepreneurship
Pre or co-requisite	FIN 9770 or equivalent, RES 9776 or FIN 9776 or RES 9860 or MGT 9960 (formerly MGT 9860)	Pre or co-requisite	FIN 9770 or equivalent <u>or</u> RES 9776 or MGT 9960 (formerly MGT 9860)
Hours	3	Hours	3

Credits	3	Credits	3
Description	<p>This course is based upon the core assumptions, and theory that since large parts of real estate are necessarily entrepreneurial, that more complex aspects of real estate entrepreneurship will engage the student in issues of risk evaluation at the 'opportunistic' segments of investment choices and financing.</p> <p>Such higher-risk higher-return acquisition and development options require a clear foundation in key dimensions of due diligence from both debt and equity lenders perspectives, as well as a clear appreciation of the ways in which deal structuring can affect the value</p>	Description	<p>This course is based upon the core assumptions, and theory that since large parts of real estate are necessarily entrepreneurial, that more complex aspects of real estate entrepreneurship will engage the student in issues of risk evaluation at the 'opportunistic' segments of investment choices and financing. Such higher-risk higher-return acquisition and development options require a clear foundation in key dimensions of due diligence from both debt and equity lenders perspectives, as well as a clear appreciation of the ways in which deal structuring can affect the value of and</p>

	of and stability of joint ventures engaged in high yield investing and development.		stability of joint ventures engaged in high yield investing and development.
Requirement Designation		Requirement Designation	
Liberal Arts	[] Yes [x] No	Liberal Arts	[] Yes [x] No
Course Attribute (e.g. Writing Intensive, Honors, etc.)		Course Attribute (e.g. Writing Intensive, Honors, etc.)	
Course Applicability	<p>Major</p> <p>Gen Ed Required</p> <p>English Composition</p>	Course Applicability	<p>Major</p> <p>Gen Ed Required</p> <p>English Composition</p>

Mathematics	Mathematics
Science	Science
Gen Ed Flexible	Gen Ed Flexible
World Cultures	World Cultures
US Experience in its Diversity	US Experience in its Diversity
Creative Expression	Creative Expression
Individual and Society	Individual and Society
Scientific World	Scientific World
Gen Ed – College Option	

	College Option Detail		
Effective Term	Fall 2017		

Rationale: The change in prerequisite requirements reflects the skills necessary to enter this course. Specifically, students must have taken a basic finance class, or a real estate finance class, or an introductory entrepreneurship class. This course is cross-listed MGT 9975/RES 9980 and we are setting the prerequisites to reflect that students should have a foundation of knowledge in either real estate finance or entrepreneurship before enrolling in this class, although it is not necessary for students to have completed coursework in both areas.

AVII: International Program Agreements

AVII:1.1 International Student Exchange Agreement with Singapore Management University

RESOLVED: That the Board of Trustees of The City University of New York authorize the President of Baruch College to execute an international student exchange agreement on behalf of Baruch College with Singapore Management University located in Singapore. Neither party to this agreement is obligated to pay any monetary consideration to the other. The agreement is for a five-year period beginning August 31, 2017 and shall include up to one two-year options for the College to renew in its best interest. The agreement shall be subject to approval as to form by the University Office of General Counsel.

EXPLANATION: This agreement will enable students enrolled in the College's Baruch College - Singapore Management University Exchange Program to study at Singapore Management University and Singapore Management University students to study at Baruch College. The equivalent of two (2) exchange students per institution per academic year are expected to participate.

CHANCELLOR'S UNIVERSITY REPORT ERRATA, JANUARY 2017**PART A: ACADEMIC MATTERS****BARUCH COLLEGE**

JANUARY 2017 CUR, Section AIII: Changes in Degree Programs; AIII:10.2b: The following revisions are proposed for the Master of Business Administration (MBA) in Healthcare Administration in the Zicklin School of Business: HEGIS:120200 Program Code:01952. The Sub-Plan for the "new" 49.5 credit program, effective fall 2017, will be titled EXEHCA-MBA –Executive Health Care Admin. The Sub-Plan for the "old" 57-credit program will be titled HCATR-MBA, titled Traditional HCA MBA valid to June 2023. This will allow us to distinguish new students admitted as of fall 2017 from continuing students who enrolled prior to fall 2017.