Baruch College June 2023
Academic University Report Detail

The following recommendations of the committee on Undergraduate Curriculum were approved at the Zicklin School of Business Faculty Meeting on March 9, 2023, effective the Spring 2024 semester pending approval of the Board of Trustees.

PART A: ACADEMIC MATTERS

Section AIII: Changes in Degree Programs

AIII.3.1 The following revisions are proposed for the BBA in Computer Information Systems (General CIS Track) in the Zicklin School of Business

Program: BBA in Computer Information Systems (General CIS Track)
Program Code: 21849
MHC Program Code: 60006
HEGIS Code: 0702.00
Effective: Spring 2024

From:	**BBA in Computer Information Systems (General CIS Track)**		**To:**	**BBA in Computer Information Systems (General CIS Track)**	
Course	Description	Crd	Course	Description	Crd
Required Courses		15	Required Courses		15
CIS 2300	Programming and Computational Thinking	3	CIS 2300***	Programming and Computational Thinking	3
Choose from			Choose from		
CIS 3100 OR CIS 3110 OR CIS 3120	Object Oriented Programming I OR Object Oriented Programming with Java OR Programming for Analytics	3	CIS 3100 OR CIS 3110 OR CIS 3120	Object Oriented Programming I OR Object Oriented Programming with Java OR Programming for Analytics	3
CIS 3400	Database Management	3	CIS 3400	Database Management	3
CIS 4800	Systems Analysis and Design	3	CIS 4800	Systems Analysis and Design	3

CIS 5800	Information Technology Development and Project Management	3	CIS 5800	Information Technology Development and Project Management	3
Elective Courses		**Crd**	**Elective Courses**		**Crd**
At least 3 credits should be from a course at the 4000 level		**9**	At least 3 credits should be from a course at the 4000 level		**9**
CIS 3100 OR CIS 3110 OR CIS 3120	Object Oriented Programming I OR Object Oriented Programming with Java OR Programming for Analytics†	3	CIS 3100 OR CIS 3110 OR CIS 3120	Object Oriented Programming I OR Object Oriented Programming with Java OR Programming for Analytics†	3
CIS 3150	Introduction to Semantic Technologies	3	CIS 3150	Introduction to Semantic Technologies	3
CIS 3250	Blockchain Technologies and Applications	3	CIS 3250	Blockchain Technologies and Applications	3
CIS 3367	Spreadsheet Applications in Business	3	CIS 3367	Spreadsheet Applications in Business	3
CIS 3444	e-Business Technologies	3	CIS 3444	e-Business Technologies	3
CIS 3500	Computer Networking	3	CIS 3500	Computer Networking	3
CIS 3550	Cybersecurity	3	CIS 3550	Cybersecurity	3
CIS 3620	FinTech: Principles and Applications	3	CIS 3620	FinTech: Principles and Applications	3
CIS 3630	Principles of Web Design	3	CIS 3630	Principles of Web Design	3
CIS 3700	Green IT	3	CIS 3700	Green IT	3
CIS 3710	Foundations of Business Analytics	3	CIS 3710	Foundations of Business Analytics	3
CIS 3750	Social Media Technologies in Organizations	3	CIS 3750	Social Media Technologies in Organizations	3
CIS 3770	Usability, Privacy and Security	3	CIS 3770	Usability, Privacy and Security	3

CIS/STA 3920	Data Mining for Business Analytics	3	CIS/STA 3920	Data Mining for Business Analytics	3
CIS 4093	Special Topics in Computer Information Systems (3 credits)	3	CIS 4093	Special Topics in Computer Information Systems (3 credits)	3

CIS 4100	Object Oriented Programming II	3	CIS 4100	Object Oriented Programming II	3
CIS 4120	Applied Natural Language Processing	3	CIS 4120	Applied Natural Language Processing	3
CIS 4130	Big Data Technologies	3	CIS 4130	Big Data Technologies	3
CIS 4160	Web Applications Development	3	CIS 4160	Web Applications Development	3
CIS 4170	Data Visualization	3	CIS 4170	Data Visualization	3
CIS 4350	Information Technology Audit	3	CIS 4350	Information Technology Audit	3
CIS 4400	Data Warehousing for Analytics	3	CIS 4400	Data Warehousing for Analytics	3
CIS 4500	Advanced Computer Networking	3	CIS 4500	Advanced Computer Networking	3
CIS 4560	Ethical Hacking	3	CIS 4560	Ethical Hacking	3
CIS 4650	Operating Systems Concepts	3	CIS 4650	Operating Systems Concepts	3
OPR 3300*	Quantitative Methods for Accounting	3	OPR 3300*	Quantitative Methods for Accounting	3
OPR 3450*/**	Quantitative Decision Making for Business I	3	OPR 3450*/**	Quantitative Decision Making for Business I	3
STA 4920	Advanced Data Mining	3	STA 4920	Advanced Data Mining	3

* Students may not receive credit for both OPR 3450 and OPR 3300. ** Students receiving credit for ~~MGT~~ 3500 (~~Introduction to Management Science~~) will not receive credit for OPR 3450. † If you have used one of these programming courses (CIS 3100, CIS 3110, CIS 3120) as a required course, you may use the other~~s~~ as electives. ~~If you have used one of these programming courses as a required course, you may use the other two as electives.~~	* Students may not receive credit for both OPR 3450 and OPR 3300. ** Students receiving credit for OPM 3500 (Business Decision Models) will not receive credit for OPR 3450. *** Students receiving credit for MTH3300 will not also receive credit for CIS 2300 because the courses are duplicative. CIS majors in the general track who receive credit for MTH 3300 will be required to take an additional CIS elective course in the general track to complete the 24-credit requirement for the CIS major. Such students must contact the CIS faculty advisor to obtain permission to use the additional CIS elective course as a substitute for CIS 2300.
	† If you have used one of these programming courses (CIS 3100, CIS 3110, CIS 3120) as a major required course, you may use the other two as major electives

Rationale: Students receiving credit for MTH 3300 cannot also receive credit for CIS 2300 because the courses are duplicative. Adding the statement above will help students see this information on Degreeworks. In addition, the Department of Management recently changed the prefix and course title of MGT 3500, and we are making that update in the CIS General track requirements.

The following recommendations of the committee on Undergraduate Curriculum were approved at the Zicklin School of Business Faculty Meeting on March 9, 2023, effective the Spring 2024 semester pending approval of the Board of Trustees.

PART A: ACADEMIC MATTERS

Section AIII: Changes in Degree Programs

AIII.3.2 The following revisions are proposed for the BBA in Computer Information Systems (Cybersecurity Track) in the Zicklin School of Business

Program: BBA in Computer Information Systems (Cybersecurity Track)
Program Code: 21849
MHC Program Code: 60006
HEGIS Code: 0702.00
Effective: Spring 2024

From:	**BBA in Computer Information Systems (Cybersecurity Track)**		**To:**	**BBA in Computer Information Systems (Cybersecurity Track)**	
Course	Description	Crd	Course	Description	Crd
Required Courses		15	Required Courses		15
CIS 2300	Programming and Computational Thinking	3	CIS 2300*	Programming and Computational Thinking	3
CIS 3400	Database Management Systems	3	CIS 3400	Database Management Systems	3
CIS 3500	Networks and Telecommunications I	3	CIS 3500	Computer Networking	3
CIS 3550	Cybersecurity	3	CIS 3550	Cybersecurity	3
CIS 4350	Information Technology Audit	3	CIS 4350	Information Technology Audit	3
Elective Courses		**Crd**	**Elective Courses**		**Crd**
At least 6 credits must be from the CIS Courses		**9**	At least 6 credits must be from the CIS Courses		**9**
CIS 3100	Object Oriented Programming I	3	CIS 3100	Object Oriented Programming I	3
CIS 3110	Object Oriented Programming with Java	3	CIS 3110	Object Oriented Programming with Java	3
CIS 3120	Programming for Analytics	3	CIS 3120	Programming for Analytics	3
CIS 3620	Financial Information Technologies	3	CIS 3620	Financial Information Technologies	3

CIS 3750	Social Media Technologies in Organizations	3	CIS 3750	Social Media Technologies in Organizations	3
CIS 3770	Usability, Privacy and Security	3	CIS 3770	Usability, Privacy and Security	3
CIS/STA 3920	Data Mining for Business Analytics	3	CIS/STA 3920	Data Mining for Business Analytics	3
CIS 4093	Special Topics (with permission)	3	CIS 4093	Special Topics (with permission)	3
CIS 4160	Web Applications Development	3	CIS 4160	Web Applications Development	3
CIS 4500	Advanced Computer Networking	3	CIS 4500	Advanced Computer Networking	3
CIS 4650	Ethical Hacking	3	CIS 4650	Ethical Hacking	3
CIS 4800	Systems Analysis and Design	3	CIS 4800	Systems Analysis and Design	3
LAW 3108	Law and the Internet	3	LAW 3108	Law and the Internet	3
LAW 3250	Financial Regulation of Emerging Technologies	3	LAW 3250	Financial Regulation of Emerging Technologies	3
LAW 3350	Corporate Compliance, Governance & Whistleblowing	3	LAW 3350	Corporate Compliance, Governance & Whistleblowing	3
			* Students receiving credit for MTH3300 will not also receive credit for CIS 2300 because the courses are duplicative. CIS majors in the cybersecurity track who receive credit for MTH 3300 will be required to take an additional CIS elective course in the cybersecurity track to complete the 24-credit requirement for the CIS major. Such students must contact the CIS faculty advisor to obtain permission to use the additional CIS elective course as a substitute for CIS 2300.		

Rationale: Students receiving credit for MTH 3300 cannot also receive credit for CIS 2300 because the courses are duplicative. Adding the statement above will help students see this information on Degreeworks.

The following recommendations of the committee on Undergraduate Curriculum were approved at the Zicklin School of Business Faculty Meeting on March 9, 2023, effective the Spring 2024 semester pending approval of the Board of Trustees.

PART A: ACADEMIC MATTERS

Section AIII: Changes in Degree Programs

AIII.3.3 The following revisions are proposed for the BBA in Computer Information Systems (Data Analytics Track) in the Zicklin School of Business

Program: BBA in Computer Information Systems (Data Analytics Track)
Program Code: 21849
MHC Program Code: 60006
HEGIS Code: 0702.00
Effective: Spring 2024

From:	**BBA in Computer Information Systems (Data Analytics Track)**		**To:**	**BBA in Computer Information Systems (Data Analytics Track)**	
Course	Description	Crd	Course	Description	Crd
Required Courses		**15**	**Required Courses**		**15**
CIS 2300	Programming and Computational Thinking	3	CIS 2300***	Programming and Computational Thinking	3
CIS 3120	Programming for Analytics	3	CIS 3120	Programming for Analytics	3
CIS 3400	Database Management	3	CIS 3400	Database Management	3
CIS/STA 3920	Data Mining for Business Analytics	3	CIS/STA 3920	Data Mining for Business Analytics	3
CIS 4400	Data Warehousing for Analytics	3	CIS 4400	Data Warehousing for Analytics	3

Elective Courses		**Crd**	**Elective Courses**		**Crd**
Choose three (3) courses of 3 credits each from the following, at least one of which must be a CIS course and one must be a STA course or an OPR course.		**9**	Choose three (3) courses of 3 credits each from the following, at least one of which must be a CIS course and one must be a STA course or an OPR course.		**9**
CIS 3100	Object-Oriented Programming I	3	CIS 3100	Object-Oriented Programming I	3
CIS 3150	Introduction to Semantic Technologies	3	CIS 3150	Introduction to Semantic Technologies	3
CIS 3710	Foundations of Business Analytics	3	CIS 3710	Foundations of Business Analytics	3
CIS 4120	Applied Natural Language Processing	3	CIS 4120	Applied Natural Language Processing	3
CIS 4130	Big Data Technologies	3	CIS 4130	Big Data Technologies	3
CIS 4170	Data Visualization	3	CIS 4170	Data Visualization	3
STA 3154	Business Statistics II	3	STA 3154	Business Statistics II	3
STA 4155	Regression and Forecasting Models for Business Applications	3	STA 4155	Regression and Forecasting Models for Business Applications	3
STA 4920	Advanced Data Mining	3	STA 4920	Advanced Data Mining	3
OPR 3300*	Quantitative Methods for Accounting	3	OPR 3300*	Quantitative Methods for Accounting	3
OPR 3450*/**	Quantitative Decision Making for Business I	3	OPR 3450*/**	Quantitative Decision Making for Business I	3
OPR 3451	Quantitative Decision Making for Business II	3	OPR 3451	Quantitative Decision Making for Business II	3
MKT 4123	Marketing Web Analytics and Intelligence	3	MKT 4123	Marketing Web Analytics and Intelligence	3
MKT 4561	Marketing Analytics	3	MKT 4561	Marketing Analytics	3

* Students may not receive credit for both OPR 3450 and OPR 3300. ** Students receiving credit for ~~MGT~~ 3500 (~~Introduction to Management Science~~) will not receive credit for OPR 3450.	* Students may not receive credit for both OPR 3450 and OPR 3300. ** Students receiving credit for OPM 3500 (Business Decision Models) will not receive credit for OPR 3450. *** Students receiving credit for MTH3300 will not also receive credit for CIS 2300 because the courses are duplicative. CIS majors in the data analytics track who receive credit for MTH 3300 will be required to take an additional CIS elective course in the data analytics track to complete the 24-credit requirement for the CIS major. Such students must contact the CIS faculty advisor to obtain permission to use the additional CIS elective course as a substitute for CIS 2300.

Rationale: Students receiving credit for MTH 3300 cannot also receive credit for CIS 2300 because the courses are duplicative. Adding the statement above will help students see this information on Degreeworks. In addition, the Department of Management recently changed the prefix and course title of MGT 3500, and we are making that update in the CIS Data Analytics track requirements.

Errata:

From January 2022 AURD

AIII:2. Change to MS Financial Risk Management

FIN 9781 Intermediate Corporate Finance (3 credits) was erroneously added to the list of Required Courses. FIN 9781 Intermediate Corporate Finance (3 credits) should correctly be added to the list of Electives.

The total credits for Required Courses remains 22.5. The total credits for Electives remains 7.5 credits.

The following recommendations of the committee on Undergraduate Curriculum were approved at the Zicklin School of Business Faculty Meeting on March 9, 2023, effective the Spring 2024 semester pending approval of the Board of Trustees.

PART A: ACADEMIC MATTERS

Section AIII: Changes in Degree Programs

AIII.1.1 The following revisions are proposed for the BBA in Management (Human Resource Management track) in the Zicklin School of Business

Program: BBA in Management (Human Resource Management track)
Program Code: 01921
MHC Program Code: 60017
HEGIS Code: 0506.00
Effective: Spring 2024, for all new and continuing students

From:	**BBA in Management (Human Resource Management track)**		**To:**	**BBA in Management (Human Resource Management track)**	
Course	Description	Crd	Course	Description	Crd
Required Courses		12	Required Courses		12
MGT 3300	Organizational Behavior: Understanding People at Work	3	MGT 3300	Organizational Behavior: Understanding People at Work	3
MGT 3400	Human Resource Management	3	MGT 3400	Human Resource Management	3

MGT 3800	Management and Society	3	MGT 3800	Management and Society	3
MGT 5400	Evidence-based HR Management	3	MGT 5400	Evidence-based HR Management	3
Elective Courses			Elective Courses		
Choose four additional courses from the following:		12	Choose four additional courses from the following:		12
MGT 4340	Organizational Change	3	MGT 4340	Organizational Change	3
			MGT 4410	Global Human Resource Management	3
MGT 4420	Performance Management and Total Rewards	3	MGT 4420	Performance Management and Total Rewards	3
MGT 4430 or PSY 4185	Employee Development and Training or Psychology of Organizational Training and Development	3	MGT 4430 or PSY 4185	Employee Development and Training or Psychology of Organizational Training and Development	3
MGT 4440	Strategic Talent Acquisition	3	MGT 4440	Strategic Talent Acquisition	3
			MGT 4450	Human Resource Information Systems	3
MGT 4460	Employee and Labor Relations	3	MGT 4460	Employee and Labor Relations	3
MGT 4475	Human Resource Metrics	3	MGT 4475	Human Resource Metrics	3
			MGT 4480 or COM 4901	The Psychology of Negotiation or Conflict Resolution	3
MGT 4492	Special Topics	1.5	MGT 4492	Special Topics	1.5
MGT 4493	Special Topics	3	MGT 4493	Special Topics	3
LAW 3123	Employment Law	3	LAW 3123	Employment Law	3

Rationale: We are adding 4 electives to the major to focus on core areas indicated as critical for human resource professionals – two of these are new courses, one is currently offered by the Department outside of this major, and one is offered by Department of Communication Studies.

The first new elective course, Human Resource Information Systems (MGT 4450), has been offered as a special topics course for the past two years and has been very well-received. This course offers students the opportunity to learn the principles and methods related to information systems specific to the human resource management function, an area many junior human resource professionals require expertise in.

The second new elective is Global Human Resource Management (MGT 4410), which we have offered as a special topics course and was also well-received. This course focuses on both developing cultural competency as well as working with a strategic global HR focus.

We are adding two electives currently offered outside of this major, COM 4091 (Conflict Resolution), and MGT 4480 (The Psychology of Negotiation), as they both directly relate to the field of human resource management as indicated by a recent analysis of employer preference data.

Section AIII: Changes in Degree Programs

AIII:1 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

From: MS in QMM			To: MS in QMM		
Course	**Description**	**Crs**	**Course**	**Description**	**Crs**
Preliminary Courses (7 Credits)			**Preliminary Courses (7 Credits)**		
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 2207	Elements of Calculus and Matrix Algebra	4	MTH 2207	Elements of Calculus and Matrix Algebra	4
STA 9708	Managerial Statistics	3	STA 9708	Managerial Statistics	3
Note: MTH 2207 is an undergraduate course. Entering students are strongly advised to complete a minimum of three credits of calculus before starting the MS program in QMM to waive this math requirement.			Note: MTH 2207 is an undergraduate course. Entering students are strongly advised to complete a minimum of three credits of calculus before starting the MS program in QMM to waive this math requirement.		
Courses in Specialization (31.5 Credits)			**Courses in Specialization (31.5 Credits)**		
Required (16.5 credits)			**Required (16.5 credits)**		
BUS 9551	Business Communication I	1.5	BUS 9551	Business Communication I	1.5
CIS 9340	Principles of Database Management Systems	3	CIS 9340	Principles of Database Management Systems	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
STA 9700	Applied Regression Analysis	3	STA 9700	Applied Regression Analysis	3
STA/OPR 9750	Software Tools for Data Analysis	3	STA/OPR 9750	Software Tools for Data Analysis	3
Electives (15 credits):			**Electives (15 credits):**		
Students can select any OPR, STA, CIS or MTH course. With the approval of the department advisor students may select quantitatively oriented course(s) in other areas. Students may select appropriate Graduate Internship courses.			Students can select any OPR, STA or CIS course(s). ~~Students who wish to take quantitatively oriented course(s)~~ from other departments need to obtain prior approval from the department advisor before registration. Students may select appropriate Graduate Internship courses.		

Effective Term	**Spring 2024**

Rationale:

We are revising the departmental approval process for electives so that Math courses will require prior approval before student registration following feedback from the Math department.

The following recommendations of the committee on Undergraduate Curriculum were approved at the Zicklin School of Business Faculty Meeting on March 9, 2023, effective the Spring 2024 semester pending approval of the Board of Trustees.

PART A: ACADEMIC MATTERS

Section AIII: Changes in Degree Programs

AIII.1.2 The following revisions are proposed for the Minor in Human Resource Management for Business Majors. Effective: Spring 2024, for all new and continuing students

From:	**Minor in Human Resource Management for business majors**		**To:**	**Minor in Human Resource Management for business majors**	
Course	Description	Crd	Course	Description	Crd
Required Courses		6	Required Courses		6
MGT 3300	Organizational Behavior: Understanding People at Work	3	MGT 3300	Organizational Behavior: Understanding People at Work	3
MGT 4400	Human Resource Management	3	MGT 4400	Human Resource Management	3
Elective Courses		3	Elective Courses		3
Choose 1 course from the following:			Choose 1 course from the following:		
MGT 4340	Organizational Change	3	MGT 4340	Organizational Change	3
			MGT 4410	Global Human Resource Management	3
MGT 4420	Performance Management and Total Rewards	3	MGT 4420	Performance Management and Total Rewards	3
MGT 4430	Employee Development and Training	3	MGT 4430	Employee Development and Training	3
MGT 4440	Talent Acquisition	3	MGT 4440	Talent Acquisition	3
			MGT 4450	Human Resource Information Systems	3

MGT 4460	Employee and Labor Relations	3	MGT 4460	Employee and Labor Relations	3
MGT 4475	Human Resource Metrics	3	MGT 4475	Human Resource Metrics	3
			MGT 4480	The Psychology of Negotiation	3
MGT 4493	Special Topics	3	MGT 4493	Special Topics	3
LAW 3123	Employment Law	3	LAW 3123	Employment Law	3

Rationale: We are adding 3 electives to the minor to focus on core areas indicated as critical for human resource professionals – two of these are new courses and one is currently offered by the Department outside of this minor.

The first new elective course, Human Resource Information Systems (MGT 4450), has been offered as a special topics course for the past two years and has been very well-received. This course offers students the opportunity to learn the principles and methods related to information systems specific to the human resource management function, an area many junior human resource professionals require expertise in.

The second new elective is Global Human Resource Management (MGT 4410), which we have offered as a special topics course and was also well-received. This course focuses on both developing cultural competency as well as working with a strategic global HR focus.

We are adding one elective currently offered outside of this minor, MGT 4480 (The Psychology of Negotiation), as it directly relates to the field of human resource management as indicated by a recent analysis of employer preference data.

The following recommendations of the committee on Undergraduate Curriculum were approved at the Zicklin School of Business Faculty Meeting on March 9, 2023, effective the Spring 2024 semester pending approval of the Board of Trustees.

PART A: ACADEMIC MATTERS

Section AIII: Changes in Degree Programs

AIII.2 The following revisions are proposed for the Minor in Real Estate for Business Majors. Effective: Spring 2024, for all new and continuing students

From:	**Minor in Real Estate for Business majors**		**To:**	**Minor in Real Estate for Business majors**	
Elective Courses		Crd	Elective Courses		Crd
The minor in real estate requires 3 courses (9 credits) from the following list:		9	The minor in real estate requires 3 courses (9 credits) from the following list:		9
RES 3000	Real Estate Law, Markets and Institutional Settings	3	RES 3000	Real Estate Law, Markets and Institutional Settings	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 3300	Real Estate Valuation and Feasibility Study	3	RES 3300	Real Estate Valuation and Feasibility Study	3
RES 3400	Real Estate Capital Markets	3	RES 3400	Real Estate Capital Markets	3
			<u>RES 3700</u>	<u>Real Estate Management</u>	<u>3</u>
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 3900	Real Estate Development: Principles and Guidelines	3	RES 3900	Real Estate Development: Principles and Guidelines	3

<u>Rationale:</u> RES 3700 is a useful class for minors and it is accessible because it is light on pre-requisites.

Course

BAR01 - Edit Course - ACC2203 - Course Change Course Data

Course Description

Institution
Baruch College

Course Title
Principles of Managerial Accounting for Non-accounting Majors

Is this Course Required for a Major? Yes

Is this course an experimental course?
No

Course Details

Catalog Description
An introductory course in managerial accounting for nonaccounting majors. Emphasis is placed on the use and analysis of accounting data for management decision making. Topics covered include short-term budgeting, cost-volume-profit planning, capital budgeting, product costing, joint costs, standard costs, responsibility accounting, and the behavioral aspects of managerial accounting. Credit will not be granted for both ACC 2203 and ACC 3200.

Catalog Data

Start Term
2024 Spring Term

Remedial	Developmental	Compensatory	Regular
Remedial	Developmental	Compensatory	Regular
No	No	No	No

Liberal Arts	Pathways	College Option
No	No	No

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area	New Subject Area Request	Catalog Number
ACC2203	-	

Course Typically Offered
Fall, Spring, Summer

Department(s)
Accountancy

Pre-Requisites / Co-Requisites
Pre-requisite: [One of the following math courses: MTH 2000; MTH 2001; MTH 2003; MTH 2009; MTH 2205; MTH 2207; MTH 2610; or placement in calculus] and ACC 2101. Not open to students majoring in Accountancy.

Credits

Credit Hours

Minimum	Max
3	3

Rationale

Please provide the rationale for new course or for any changes?
Non-Accounting majors are required to take ACC 2203, and Accountancy majors are required to take ACC 3200. Students cannot receive credit for both ACC 2203 and ACC 3200. Over the years, there have been students who took both courses because ACC 2203 did not explicitly have the limitation that it is not open to Accountancy majors. We are adding the statement “Not open to students majoring in Accountancy” to

ACC 2203 course prerequisites to prevent Accountancy majors from enrolling in ACC 2203. **Learning Goals and Outcome**

-

Assessment

-

BAR01 - Edit Course - ACC2203H - Course Change Course Data

Course Description

Institution
Baruch College

Course Title
Honors - Principles of Managing Accounting

Is this Course Required for a Major? Yes

Is this course an experimental course?
No

Course Details

Catalog Description
An introductory course in managerial accounting for non-accounting majors. Emphasis is placed on the use and analysis of accounting data for management decision making. Topics covered include short-term budgeting, cost-volume-profit planning, capital budgeting, product costing, joint costs, standard costs, responsibility accounting, and the behavioral aspects of managerial accounting. Credit will not be granted for both ACC 2203H and ACC 3200H.

Catalog Data

Start Term
2020 Fall Term

Remedial No	**Developmental** No	**Compensatory** No	**Regular** No

Liberal Arts	**Pathways**	**College Option**
Liberal Arts	**Pathways**	**College Option**
No	No	No

Course Attributes

HON - HON (Campus Honors)

Course Offerings

Cross Listed Courses

-

Subject Area
ACC2203H

New Subject Area Request

Catalog Number

Course Typically Offered
Fall, Spring, Summer

Department(s)
Accountancy

Pre-Requisites / Co-Requisites
[One of the following math courses: MTH 2000; MTH 2001; MTH 2003; MTH 2009; MTH 2205; MTH 2207; MTH 2610; or placement in calculus] and ACC 2101. Not open to students majoring in Accountancy.

Credits

Credit Hours

Minimum
3

Max
3

Rationale

Please provide the rationale for new course or for any changes?
Please provide the rationale for new course or for any changes?
Non-Accounting majors are required to take ACC 2203, and Accountancy majors are required to take ACC 3200. Students cannot receive credit for both ACC 2203 and ACC 3200. Over the years, there have been students who took both courses because ACC 2203 did not explicitly have the limitation that it is not open to Accountancy majors. We are adding the statement “Not open to students majoring in Accountancy” to ACC 2203 course prerequisites to prevent Accountancy majors from enrolling in ACC 2203. **Learning Goals and Outcome**

-

Assessment

-

BAR01 - Edit Course - ANT4400 - Course Change Course Data

Course Description

Institution
Baruch College

Course Title
New York: The Global City

Is this Course Required for a Major? Yes

Is this course an experimental course?
No

Course Details

Catalog Description
This course deploys social scientific research strategies and analytical frameworks to explore the forces shaping New York City—including migration, finance, real estate, small businesses, natural environment, religious communities, social movements, housing, and gentrification—with particular attention to the contestation over the future the city as it is playing out in the city's neighborhoods, social groups, and political and civic institutions. The course uses New York as a laboratory for understanding the impact of globalization on urban settings and of urban settings on globalization. (Students will receive credit for SOC 4400 or ANT 4400. These courses may substitute for each other in the F-replacement policy.)

Catalog Data

Start Term
2024 Spring Term

Remedial	Developmental	Compensatory	Regular
Remedial	**Developmental**	**Compensatory**	**Regular**
No	No	No	No

Liberal Arts	Pathways	College Option
Yes	No	No

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area	New Subject Area Request	Catalog Number
ANT4400	-	

Course Typically Offered
Fall, Spring, Summer

Department(s)
Anthropology and Sociology

Pre-Requisites / Co-Requisites
ENG 2150 and one 3000-level sociology or anthropology course.

Credits

Credit Hours

Minimum	Max
3	3

Rationale

Please provide the rationale for new course or for any changes?
Please provide the rationale for new course or for any changes?
This prerequisite change brings the requirements of this course in line with other capstones offered in the Sociology and Anthropology Department. This change will make the course available for students pursuing the sociology and anthropology minors and the sociology major.

Learning Goals and Outcome

-

Assessment

-

BAR01 - Edit Course - BUS9558 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Strategic Business Communication

Is this Course Required for a Major? Yes

Is this course an experimental course?
No

Course Details

Catalog Description
This course introduces students to the importance of communication skills to current and future business leaders, provides instruction in essential communication competencies, highlights fundamental communication attributes and discipline, and embeds communication judgment in how students view business situations.
Students will strengthen how they develop communication strategies, write and deliver messages across platforms, and facilitate conversations, negotiations and meetings. Moreover, the course is designed to help students meet the challenges of a data driven business world by understanding how to communicate quantitative and technical data better.

Catalog Data

Start Term
2024 Fall Term

Remedial	Developmental	Compensatory	Regular
Remedial	**Developmental**	**Compensatory**	**Regular**
No	No	No	No

Liberal Arts	Pathways	College Option
No	No	No

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area	New Subject Area Request	Catalog Number
BUS9558	-	

Course Typically Offered
Fall, Spring, Summer

Department(s)
Marketing and International Business

Pre-Requisites / Co-Requisites

-

Credits

Credit Hours

Minimum	Max
3	3

Rationale

Please provide the rationale for new course or for any changes?
Please provide the rationale for new course or for any changes?
As the world of business evolves and becomes more driven by data, the BUS 9558 syllabus must evolve as well. This updated syllabus reflects the needs of the workplace as all managers and leaders must be able to communicate the meaning of data with clarity and precision to all of their constituencies. The updated syllabus allows Zicklin to better address the needs of our MBA students by refocusing on communicating

quantitative data. This will strengthen a course that teaches students to communicate at an executive level. **Learning Goals and Outcome**

-

Assessment

-

BAR01 - Edit Course - CIS4100 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Data Structures and Algorithms

Is this Course Required for a Major? Yes

Is this course an experimental course?
No

Course Details

Catalog Description
This course continues the development of object-oriented approaches to the design and implementation of software systems. It covers the application of commonly used data structures and related algorithms for maintaining the data structures. Students will learn to analyze problems, develop algorithms, and implement object-oriented solutions to the problems. Data structures covered include contiguous and linked lists, stacks, queues, and general lists, search and sort techniques, binary trees, tables, hashing, recursion, and graphs. Additionally, students will learn algorithms used for list manipulation, graph searches, sorting, searching, and tree traversals. Students will learn to implement data structures and algorithms in one or more programming languages, such as C++, Java, or Python.

Catalog Data

Start Term
2024 Spring Term

Remedial	Developmental	Compensatory	Regular
Remedial	Developmental	Compensatory	Regular
No	No	No	No

Liberal Arts	Pathways	College Option

No	No	No

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area	New Subject Area Request	Catalog Number
CIS4100	-	

Course Typically Offered
Fall, Spring, Summer

Department(s)
Computer Information Systems

Pre-Requisites / Co-Requisites
CIS 3100 or CIS 3110 or CIS 3120

Credits

Credit Hours

Minimum	Max
3	3

Rationale

Please provide the rationale for new course or for any changes?
Please provide the rationale for new course or for any changes?
We intend to expand the reach of CIS 4100: Data Structures and Algorithms to a broader range of students. Currently this course is only available to students with C++ background (CIS 3100 - Object-Oriented Programming I pre-requisite). We are looking to make this course relevant to students with Java (CIS 3110 - Object-Oriented Programming with Java pre-requisite) and Python background (CIS 3120 - Programming for Analytics pre-requisite). The changes will allow students to learn more about data structures and algorithms regardless of their programing background - a popular topic in job interviews among prospective

employers. We are also removing the Zicklin admission requirement for this course in order to make it available to all Baruch students who meet the pre-requisites (none of which require Zicklin admission either). **Learning Goals and Outcome**

-

Assessment

-

BAR01 - New Course - ENT5000-5002 - Course New Course

Course Description

Institution
Baruch College

Course Title
Independent Study in Entrepreneurship

Is this Course Required for a Major? Yes

Is this Course Part of a Major within your Department?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2024 Spring Term

Remedial
No

Developmental
No

Compensatory No

Regular Yes

Liberal Arts
No

Pathways
No

College Option No

Requirement Designation
Regular Non-Liberal Arts

Does this course have any Secondary Requirement Designation(s)?
No

Secondary Requirement Designations

Course Attributes

Course Offerings

Cross Listed Courses

Subject Area
ENT5000-5002

New Subject Area Request

Catalog Number

Department(s)
Management

Pre-Requisites / Co-Requisites
Student must submit a written proposal that has been approved by the prospective instructor, the Chair of the Department, and the School Designee

Credits

Credit Hours

Minimum	Max
1	3

Rationale

Please provide the rationale for new course or for any changes?
The prefix for entrepreneurship courses has been changed from MGT to ENT. The department would

like to create independent study courses with an ENT prefix. **Learning Goals and Outcome**

-

Assessment

-

BAR01 - New Course - MGT4410 - Course - New Course

Course Description

Institution
Baruch College

Course Title
Global Human Resource Management

Is this Course Part of a Major within your Department?

Is this Course Required for a Major? Yes Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2024 Spring Term

Remedial **Developmental** **Compensatory** No **Regular** Yes
No No

Liberal Arts **Pathways** **College Option** No
No No

Requirement Designation **Does this course have any Secondary Requirement Designation(s)** **Secondary Designations?**
Regular Non-Liberal Arts No

Course Attributes

Course Offerings

Cross Listed Courses

Subject Area **New Subject Area Request** **Catalog Number**
MGT4410

Department(s)
Management

Pre-Requisites / Co-Requisites
(MGT 3400 or MGT 4400) and (ZKTP/ZICK stdnt grp) and (ZK4L/ZK4P stdnt grp: details, https://bit.ly/4000-level-bus-courses)

Credits

Credit Hours

Minimum	Max
3	3

Rationale

Please provide the rationale for new course or for any changes?

Human resource professionals are commonly working in a global context. This course focuses on both developing cultural competency as well as working with a strategic global HR focus. The global context invites significant nuance in how one recruits, selects, trains, and manages a multi-cultural and/or cross-cultural workforce, which our students should have the opportunity to learn about. We have offered this course as a special topics course in Summer 2022 and it was well received. The course will be offered at least every other semester as an elective in the Human Resource Management major. **Learning Goals and Outcome**

-

Assessment
Assessment

-

BAR01 - New Course - MGT4450 - Course - New Course

Course Description

Institution
Baruch College

Course Title
Human Resource Information Systems

Is this Course Required for a Major? Yes

Is this Course Part of a Major within your Department?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2024 Spring Term

Remedial
No

Developmental
No

Compensatory No

Regular Yes

Liberal Arts
No

Pathways
No

College Option No

Requirement Designation
Regular Non-Liberal Arts

Does this course have any Secondary Requirement Designation(s)?
No

Secondary Requirement Designations

Course Attributes

Course Offerings

Cross Listed Courses

Subject Area
MGT4450

New Subject Area Request

Catalog Number

Department(s)
Management

Pre-Requisites / Co-Requisites
(MGT 3400 or MGT 4400) and (ZKTP/ZICK stdnt grp) and (ZK4L/ZK4P stdnt grp: details, https://bit.ly/4000-level-bus-courses)

Credits

Credit Hours

Minimum	Max
3	3

Rationale

Please provide the rationale for new course or for any changes?
Human resource professionals rely on information systems specifically designed for the HR function. Students majoring in human resource management should have the opportunity to learn about these systems and how they function. The course will be offered at least every other semester as an elective in the Human Resource Management major. The course has been offered as a special topics course for two semesters and has attracted students. **Learning Goals and Outcome**

-

Assessment
Assessment

-

BAR01 - Edit Course - MKT4555 - Course Change Course Data

Course Description

Institution
Baruch College

Course Title
Advanced Digital Marketing

Is this Course Required for a Major? Yes

Is this course an experimental course?
No

Course Details

Catalog Description
This course provides students with an in-depth understanding of using digital techniques for developing and executing marketing strategies. Students learn methods employed by professionals when developing digital marketing strategies, and the class gives students hands on experience using relevant technologies to create and implement these strategies. After successfully completing the course, students will be able to formulate methods for executing marketing in a digital world, the steps/processes guiding the development of digital strategies and know how to employ these strategies on digital platforms.

Catalog Data

Start Term
2023 Fall Term

Remedial No **Developmental** No **Compensatory** No **Regular** No

Liberal Arts	Pathways	College Option
Liberal Arts	**Pathways**	**College Option**
No	No	No

Course Attributes

Course Offerings

Cross Listed Courses

Subject Area	New Subject Area Request	Catalog Number
MKT4555		

Course Typically Offered
Fall, Spring, Summer

Department(s)
Marketing and International Business

Pre-Requisites / Co-Requisites
[MKT 3000 & (Pre-/Co-requisite: MKT 3620 or (Digital Mkt subplan & BPL stdnt grp)] & [((ZICK/ZKTP stdnt grp) & (ZK4L/ZK4P stdnt grp: details at https://bit.ly/4000-level-buscourses)) or (MSC-BA Plan & MSCMGT-BA Sub Plan w/45 credits) or (NBTBIN-MIN Plan or NBMKT-MIN Plan w/ BUS 1000,1001,1011,or 2000)]

Credits

Credit Hours

Minimum	Max
3	3

Rationale

Please provide the rationale for new course or for any changes?
Please provide the rationale for new course or for any changes?
ACADEMIC UNIVERSITY REPORT DETAIL ERRATA

Changes in course prerequisites and description to be offered in the Allen G. Aaronson Department of Marketing and International Business for MKT 4555, effective Fall 2023

This addendum is due to an oversight that continuing students following Digital Marketing track in the prior Marketing curriculum who do not need to take MKT 3620 would not be able to self-enroll in MKT 4555 which is a required course for student majoring in Digital Marketing. Now that MKT 3620 has been added

as a pre/corequisite for MKT 4555, manual course permission will need to be entered for each student every semester who have a Digital Marketing major, until all students following the prior curriculum have graduated. “BPL” is an unused student group that can be added to affected students’ record to bypass the MKT 3620 prerequisite and allow self-enrollment in MKT 4555 without delay during registration and manual permission will no longer be necessary. **Learning Goals and Outcome**

-

Assessment

-

BAR01 - Edit Course - MKT4966 - Course Change Course Data

Course Description

Institution
Baruch College

Course Title
Social Media Marketing

Is this Course Required for a Major? Yes

Is this course an experimental course?
No

Course Details

Catalog Description
The class will expose students to social media marketing and enable students to develop relevant social media marketing strategies for a wide array of industries and company sizes. The course will also focus on the most effective techniques for identifying targeted marketing strategies on social media, with an emphasis on the creation of techniques that represent the critical online and offline market segments of a company. Students will learn to monitor, evaluate, and tune the implementation of social media marketing initiatives. The course teaches the relevant quantitative and qualitative social media measurement techniques and methods, along with various ways to estimate an organization's return on investment, with respect to their social media marketing activities. The course requires students to execute projects that social media professionals typically engage in, and students acquire experience in the field of social media marketing.

Catalog Data

Start Term
Start Term
2023 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	No

Liberal Arts	Pathways	College Option
No	No	No

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area	New Subject Area Request	Catalog Number
MKT4966	-	

Course Typically Offered
Fall, Spring, Summer

Department(s)
Marketing and International Business

Pre-Requisites / Co-Requisites
MKT 3000 & (Pre/Corequisite: MKT 3620 or MKT 4555 or MKT 3520) & (ZICK/ZKTP stdnt grp) & (ZK4L/ZK4P stdnt grp: details at https://bit.ly/4000-level-bus-courses).

Credits

Credit Hours

Minimum	Max
3	3

Rationale

Please provide the rationale for new course or for any changes?
ACADEMIC UNIVERSITY REPORT DETAIL ERRATA

Changes in course prerequisites and description to be offered in the Allen G. Aaronson Department of Marketing and International Business for MKT 4966, effective Fall 2023

This addendum is due to an oversight that continuing students following the prior Marketing curriculum who do not need to take MKT 3620 would not be able to self-enroll in MKT 4966 after a change in prerequisites. MKT 4966 prerequisites have changed from requiring MKT 4555 or MKT 3520 to requiring MKT 3620. Manual course permission will need to be entered for each student every semester, until all students following the prior curriculum have graduated. Adding “MKT 4555 or MKT 3520” back into the prerequisites would allow continuing students who took MKT 4555 or MKT 3520 the ability to enroll in MKT 4966.

Learning Goals and Outcome

-

Assessment

-

BAR01 - Edit Course - MKT5750 - Course Change Course Data

Course Description

Institution
Baruch College

Course Title
Marketing Strategy

Is this Course Required for a Major? Yes

Is this course an experimental course?
No

Course Details

Catalog Description
This course focuses on tools and strategies to develop evidence-based short- and long-term marketing decisions in organizations. Upon completion of the course, students should be able to develop the organization’s competitive advantage, determine which customers the organization should serve and how it shouldrespond to competition. Building on these analyses, students should be able to develop a persuasive, clear, and concise plan for the implementation of the organization’s marketing strategy and communicate the plan professionally to relevant audiences.

Catalog Data

Start Term
2023 Summer Term

Remedial	Developmental	Compensatory	Regular
No	No	No	No

Liberal Arts	Pathways	College Option
Liberal Arts	Pathways	College Option
No	No	No

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area	New Subject Area Request	Catalog Number
MKT5750		

Course Typically Offered
Fall, Spring, Summer

Department(s)
Marketing and International Business

Pre-Requisites / Co-Requisites
(MKT 3600 or IBS-BBA Plan) and (ZKTP/ZICK stdnt grp) and (completion of 105 credits) and (Pre/Coreq: MKT 3605) and (Pre/Coreq: MKT 3620 or IBS-BBA plan or BPL stdnt grp) and (ZK4L/ZK4P stdnt grp: details at https://bit.ly/4000-level-bus-courses)

Credits

Credit Hours

Minimum	Max
3	3

Rationale

Please provide the rationale for new course or for any changes?
Please provide the rationale for new course or for any changes? ACADEMIC UNIVERSITY REPORT DETAIL ERRATA

Item AV.4.5 Changes in course prerequisites and description to be offered in the Allen G. Aaronson Department of Marketing and International Business for MKT 5750, effective Fall 2022

This addendum is due to an oversight that would not allow continuing students following the prior Marketing curriculum who do not need to take MKT 3620 to self-enroll in MKT 5750. Now that MKT 3620 has been added as a pre/corequisite for MKT 5750, manual course permission will need to be entered for each student every semester who have a Marketing major, until all students following the prior curriculum have graduated. “BPL” is an unused student group that can be added to affected students’ record to bypass the MKT 3620 prerequisite and allow self-enrollment in MKT 5750 without delay during registration and manual permission will no longer be necessary. **Learning Goals and Outcome**

-

Assessment

-

BAR01 - Edit Course - MKT5750H - Course Change Course Data

Course Description

Institution
Baruch College

Course Title
Honors - Marketing Strategy

Is this Course Required for a Major? Yes

Is this course an experimental course?
No

Course Details

Catalog Description
This course presents the marketing strategy concept as a management tool for optimizing profitability and long-term goals. It focuses on the marketer's deployment of resources to achieve stated goals in a competitive environment through following a unified, comprehensive, and integrated plan.

Catalog Data

Start Term
2023 Spring Term

Remedial	Developmental	Compensatory	Regular
No	No	No	No

Liberal Arts	Pathways	College Option
No	No	No

Course Attributes
Course Attributes
HON - HON (Campus Honors)

Course Offerings

Cross Listed Courses

-

Subject Area
MKT5750H

New Subject Area Request
-

Catalog Number

Course Typically Offered
Fall, Spring, Summer

Department(s)
Marketing and International Business

Pre-Requisites / Co-Requisites
(MKT 3600 or IBS-BBA Plan) and (ZKTP/ZICK stdnt grp) and (completion of 105 credits) and (Pre/Coreq: MKT 3605) and (Pre/Coreq: MKT 3620 or IBS-BBA plan or BPL stdnt grp) and (ZK4L/ZK4P stdnt grp: details at https://bit.ly/4000-level-bus-courses)

Credits

Credit Hours

Minimum
3

Max
3

Rationale

Please provide the rationale for new course or for any changes?
Please provide the rationale for new course or for any changes?
ACADEMIC UNIVERSITY REPORT DETAIL ERRATA

Changes in course prerequisites and description to be offered in the Allen G. Aaronson Department of Marketing and International Business for MKT 5750, effective Fall 2022

This addendum is due to an oversight that would not allow continuing students following the prior Marketing curriculum who do not need to take MKT 3620 to self-enroll in MKT 5750. Now that MKT 3620 has been added as a pre/corequisite for MKT 5750, manual course permission will need to be entered for

each student every semester who have a Marketing major, until all students following the prior curriculum have graduated. “BPL” is an unused student group that can be added to affected students’ record to bypass the MKT 3620 prerequisite and allow self-enrollment in MKT 5750 without delay during registration and manual permission will no longer be necessary. **Learning Goals and Outcome**

-

Assessment

-

BAR01 - New Course - MTH2009T - Course - New Course

Course Description

Institution
Baruch College

Course Title
Precalculus

Is this Course Required for a Major? Yes

Is this Course Part of a Major within your Department?
No

Is this course an experimental course?
No

Catalog Data

Start Term
2024 Spring Term

Remedial
No

Developmental
No

Compensatory No

Regular Yes

Liberal Arts
Yes

Pathways
Yes

College Option No

Requirement Designation
RLA_RC_Mathtcl&QuantveReasng

Does this course have any Secondary Requirement Designation(s)?
No

Secondary Requirement Designations?

Course Attributes

Course Offerings

Cross Listed Courses

Subject Area
MTH2009T

New Subject Area Request

Catalog Number

Department(s)
Mathematics

Pre-Requisites / Co-Requisites
MTH 1023, FSPM 1023, or placement into MTH 2009T.

Credits

Credit Hours

Minimum	Max
3	3

Rationale

Please provide the rationale for new course or for any changes?
This course covers the same content as MTH 2009, but will meet three times per week with additional instructional time. The additional time will provide more direct instruction and support for struggling students and those who have failed a prior attempt, and will counter students not attending the SACC recitation component (the fourth meeting) of MTH 2009. This course will be open to any student completing MTH 1023 or failing either MTH 2003 or MTH 2009.

Learning Goals and Outcome

-

Assessment
Assessment

-

BAR01 - Edit Course - MTH4320 - Course Change Course Data

Course Description

Institution
Baruch College

Course Title
Data Structures and Algorithms

Is this Course Required for a Major? Yes

Is this course an experimental course?
No

Course Details

Catalog Description
In this course, one learns how to design efficient algorithms and becomes familiar with common real-world algorithms. Examples include algorithms for sorting, data compression, finding a shortest path, and more. The course includes algorithm techniques such as divideand-conquer, greedy algorithms, and dynamic programming. The course also goes over common data structures that algorithms rely on.

Catalog Data

Start Term
2024 Spring Term

Remedial	Developmental	Compensatory	Regular
No	No	No	No

Liberal Arts	Pathways	College Option
Liberal Arts	Pathways	College Option
Yes	No	No

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area
MTH4320

New Subject Area Request

Catalog Number

Course Typically Offered
Fall, Spring, Summer

Department(s)
Mathematics

Pre-Requisites / Co-Requisites
MTH 3006 or MTH 2610 with a grade of C+ or higher in either course, AND MTH 3300 or CIS 2300 with a grade of C+ or higher in either course

Credits

Credit Hours

Minimum
4

Max 4

Rationale

Please provide the rationale for new course or for any changes?
Please provide the rationale for new course or for any changes?
The course is revised to fit the recently approved computer science major. Previously, the course focused on being able to design efficient algorithms, analyzing the efficiency of an algorithm, and being familiar with common real-world algorithms. A computer science major also needs to be able to analyze and implement common data structures on which algorithms rely. Thus, a few of the most advanced algorithmic topics were removed, while the basics of data structures were added.

Some of the removed topics appear in other new computer science courses. For example, the removed RSA algorithm appears in the cryptography class MTH 4250. The course prerequisites were slightly changed to make the course available to all computer science minors.

Learning Goals and Outcome

-

Assessment

-

BAR01 - New Course - OPM5000-5002 - Course New Course

Course Description

Institution
Baruch College

Course Title
Independent Study in Operations Management

Is this Course Required for a Major? Yes

Is this Course Part of a Major within your Department?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2024 Spring Term

Remedial
No

Developmental
No

Compensatory No

Regular Yes

Liberal Arts
No

Pathways
No

College Option No

Requirement Designation
Regular Non-Liberal Arts

Does this course have any Secondary Requirement Designation(s)?
No

Secondary Requirement Designations

Course Attributes

Course Offerings

Cross Listed Courses

Subject Area
OPM5000-5002

New Subject Area Request

Catalog Number

Department(s)
Management

Pre-Requisites / Co-Requisites
Student must submit a written proposal that has been approved by the prospective mentor, the Chair of the Department, and the School Designee

Credits

Credit Hours

Minimum	Max
1	3

Rationale

Please provide the rationale for new course or for any changes?
The prefix for operations management courses has been changed from MGT to OPM. The department would like to create independent study courses with an OPM prefix. **Learning Goals and Outcome**

-

Assessment

-

BAR01 - Edit Course - SOC4400 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
New York: The Global City

Is this Course Required for a Major? Yes

Is this course an experimental course?

No

Course Details

Catalog Description

This course deploys social scientific research strategies and analytical frameworks to explore the forces shaping New York City—including migration, finance, real estate, small businesses, natural environment, religious communities, social movements, housing, and gentrification—with particular attention to the contestation over the future the city as it is playing out in the city's neighborhoods, social groups, and political and civic institutions. The course uses New York as a laboratory for understanding the impact of globalization on urban settings and of urban settings on globalization. (Students will receive credit for SOC 4400 or ANT 4400. These courses may substitute for each other in the F-replacement policy.)

Catalog Data

Start Term

2024 Spring Term

Remedial	Developmental	Compensatory	Regular
Remedial	Developmental	Compensatory	Regular
No	No	No	No

Liberal Arts	Pathways	College Option
Yes	No	No

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area	New Subject Area Request	Catalog Number
SOC4400	-	

Course Typically Offered

Fall, Spring, Summer

Department(s)
Anthropology and Sociology

Pre-Requisites / Co-Requisites
ENG 2150 and one 3000-level sociology or anthropology course.

Credits

Credit Hours

Minimum	Max
3	3

Rationale

Please provide the rationale for new course or for any changes?
Please provide the rationale for new course or for any changes?
This prerequisite change brings the requirements of this course in line with other capstones offered in the Sociology and Anthropology Department. This change will make the course available for students pursuing the sociology and anthropology minors and the sociology major.

Learning Goals and Outcome

-

Assessment

-

BAR01 - Edit Course - THE3045 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Principles of Directing

Is this Course Required for a Major? Yes

Is this course an experimental course?
No

Course Details

Catalog Description
This course provides an introduction to the fundamentals of directing for the stage. Students will develop directing skills including visual composition, script analysis and preparation, collaboration with actors and designers, and blocking and rehearsal techniques. This course will also place the craft of theater directing in its historical context and acquaint students with different directing styles and techniques from around the world.

Catalog Data

Start Term
2024 Spring Term

Remedial	Developmental	Compensatory	Regular
No	No	No	No

Liberal Arts	Pathways	College Option
Liberal Arts	Pathways	College Option
Yes	No	No

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area	New Subject Area Request	Catalog Number
THE3045	-	

Course Typically Offered
Fall, Spring, Summer

Department(s)
Fine and Performing Arts

Pre-Requisites / Co-Requisites
THE 1041 or THE 1043 or permission of the instructor

Credits

Credit Hours

Minimum	Max
3	3

Rationale

Please provide the rationale for new course or for any changes?
Please provide the rationale for new course or for any changes?
Change in prerequisite: Students who have completed THE 1041 Introduction to Theatre Arts are prepared and able to meet the requirements of THE 3045, Principles of Directing, regardless of whether or not they have completed an acting class. Some students are interested in directing and not acting, in which case, directing is the best initial upper-level theatre course after completing our introductory course.

THE 1041 is the prerequisite to the Theatre Minor and the Ad Hoc Arts Administration Major with specialization in Theater. Currently, students who want to take THE 3045 after completing THE 1041 must request permission to enroll. This requires manually registering most students. The proposed change in the prerequisite will reduce time-consuming administrative overhead for the program coordinator and the department assistant.

Change in course description: The new course description is more robust and better reflects the course as it is being taught, including attention to historical directing practices, intense script analysis, and the cultural contexts of directing in contemporary New York. **Learning Goals and Outcome**

-

Assessment

-

The following recommendations of the committee on Undergraduate Curriculum were approved at the Zicklin School of Business Faculty Meeting on March 9, 2023, effective the Spring 2024 semester pending approval of the Board of Trustees.

PART A: ACADEMIC MATTERS

ACADEMIC UNIVERSITY REPORT DETAIL ADDENDUM, effective immediately

March 2022 Chancellor's University Report (page 5)	Section AIII: Changes in Degree Programs Item AIII.1 The following revisions are proposed for the communication-intensive courses requirement for the BBA degree in the Zicklin School of Business, effective Spring 2023 From: Effective Spring 2023 To: Effective Spring 2023, for all new and continuing students Rationale: This addendum is to clarify that the change in the communication-intensive courses requirement applies to all new and continuing students as of the effective term.

Application for Registration of a New Certificate or Advanced Certificate Program[1]

Program registration is based on standards in the Regulations of the Commissioner of Education. Section 52.1 defines the curricula that must be registered. The Department registers individual curricula rather than the institution as a whole, but the registration process addresses major institutional elements. It is the chief means by which the Regents support the quality of college and university programs.

This application should NOT be used for the following types of program proposals:

- General Academic Programs Leading to a Degree Award (e.g., Bachelor of Arts)
- Programs Preparing Teachers, Educational Leaders, and Other School Personnel;
- Programs Preparing Licensed Professions; or
- Revisions to Existing Registered Programs

The application materials for those types of proposals can be found at:
http://www.highered.nysed.gov/ocue/aipr/register.html

Doctoral programs: please contact the Office of College and University Evaluation.

Directions for submission of proposal:

1. Create a ***single*** PDF document that includes the following completed forms:

- Application for Registration of a New Certificate or Advanced Certificate Program
- Application to Add the Distance Education Format to a New or Registered Programs (if applicable)
- CEO (or Designee) Approval Form

2. Create a separate PDF document for any required syllabi (see Task 3 for syllabi requirements.)

3. Attach the PDF documents to an e-mail.

4. Send e-mail to **OCUERevAdmin@mail.nysed.gov**

When submitting to the mailbox, include the following elements in the subject line of the e-mail: Institution Name, Degree Award, and Program Title

[1] CUNY and SUNY institutions: contact System Administration for proposal submission process.

E.g., Subject: AAA College, Advanced Certificate, English Literature

Task 1 Institution and Program Information

Institution Information	
Institution Name: Institution Code (6 digits): ***The name and code of the institution should reflect the information found on the Inventory of Registered Programs***	CUNY Baruch College 330500
Institution Address:	55 Lexington Avenue
City:	New York
State/Country:	NY
Zip:	10010
Regents Regions:	New York City Region
Specify campus(s) of the institution where program is offered, if other than the main campus: ***The name and code of the location(s) should reflect the information found on the Inventory of Registered Programs***	
Specify any other additional campus(s) where the program is offered besides the ones selected above:	
If any courses will be offered off campus, indicate the location and number of courses and credits:	
If the program will be registered jointly with another institution, please provide the partner institution's name:	

Program Information for New Programs	
Program Title:	Professional Certificate in Data Analytics
Degree Award:	☐ Certificate ☒ Advanced Certificate
HEGIS code:	
Number of Credits*:	9

If the program contains multiple options or concentrations that affect the number of program credits, list the total number of program credits required for each option:

Option/Concentration Name:	Credits:
Option/Concentration Name:	Credits:
Option/Concentration Name:	Credits:
Option/Concentration Name:	Credits:

If program is part of a dual degree program, provide the following information:

Program Title:	
Degree Award:	
HEGIS code:	

Section III. Contact Information	
Name of contact person	Dr. John Osae-Kwapong
Title of contact person:	Associate Provost for Assessment, Accreditation, and Institutional Effectiveness
Telephone	**646-660-6500**
Fax:	646-660-6501
Email:	John.osae-kwapong@baruch.cuny.edu

Task 2 - Proposed Program Information

Guidance for this task can be found by clicking here: Department Expectations: Admissions, Academic Support Services, Credit for Experience and Program Assessment and Improvement

Relevant Regulations for this task can be found by clicking here: Relevant Regulations for Task 2

1. Program type *(check one)*

☐ Certificate ☒ Advanced Certificate

2. Program format

Check all scheduling, format, and delivery features that apply to the proposed program. Unless otherwise specified below, it is assumed the proposed program may be completed through a full-time, day schedule. Format definitions can be found by clicking here: Format Definitions

☐	**Evening:** All requirements for the award must be offered during evening study.
☐	**Weekend:** All requirements for the award must be offered during weekend study.
☐	**Evening/Weekend:** All requirements for the award must be offered during a combination of evening and weekend study.
☐	**Day Addition:** For programs having EVENING, WEEKEND, or EVENING/WEEKEND formats, indicates that all requirements for the award can also be completed during traditional daytime study.
☒	**Not Full-Time:** The program cannot be completed on a full-time basis, e.g., an associate degree that cannot be completed within two academic years. Such programs are not eligible for TAP payments to students.
☐	**5-Year baccalaureate:** Indicates that because of the number of credits required, the program is approved as a 5year program with five-year State student financial aid eligibility.
☐	**4.5 Year baccalaureate:** Indicates that because of the number of credits required, the program is approved as a 4.5year program with 4.5-year State student financial aid eligibility.
☐	**Upper-Division:** A program comprising the final two years of a baccalaureate program. A student cannot enter such a program as a freshman. The admission level presumes prior completion of the equivalent of two years of college study and substantial prerequisites.
☐	**Independent Study:** A major portion of the requirements for the award must be offered through independent study rather than through traditional classes.
☐	**Cooperative:** The program requires alternating periods of study on campus and related work experience. The pattern may extend the length of the program beyond normal time expectations.
☒	**Distance Education:** 50% or more of the course requirements for the award can be completed through study delivered by distance education.
☐	**External:** All requirements for the award must be capable of completion through examination, without formal classroom study at the institution.
☐	**Accelerated:** The program is offered in an accelerated curricular pattern which provides for early completion. Semester hour requirements in Commissioner's Regulations for instruction and supplementary assignments apply.

☐	**Standard Addition:** For programs having Independent, Distance Education, External, OR Accelerated formats, indicates that all requirements for the award can also be completed in a standard, traditional format.
☐	**Bilingual:** Instruction is given in English and in another language. By program completion, students are proficient in both languages. This is not intended to be used to identify programs in foreign language study.
☐	**Language Other Than English:** The program is taught in a language other than English.
☐	**Other Non-Standard Feature(s):** Please provide a detailed explanation.

3. Related degree program(s)

Indicate the registered degree program(s) by title, award and five-digit SED code to which the credits will apply:
Master of Science – Business Analytics – NYS IRP code 39963
Master of Science – Information Systems – NYS IRP code 79233

4. Program Description and Purpose

1) Provide a brief description of the program as it will appear in the institution's catalog.

Answer: Organizations around the world are struggling to develop the know-how to aggregate, analyze, and monetize the growing surge of available data. The demand for managers who can develop the mind-set and skills needed to engage in data analytic thinking is vastly outpacing the current availability of workers in the U.S. and around the world.

This advanced certificate would provide an opportunity for potential managers i) to develop data analytic thinking, ii) to improve the way they intelligently communicate data to other stakeholders, iii) to acquire essential skills needed to ethically conduct data analytics and iv) to position themselves to pursue a career path in data analytics.

The curriculum for the advanced certificate program in Data Analytics is a subset of the courses available in related master's level programs, thus potentially allowing the students the option to apply to and enroll in Zicklin's Master's level programs subsequent to earning the certificate.

2) List the educational and (if appropriate) career objectives of the program.

Answer: This advanced certificate would provide an opportunity for potential managers i) to develop data analytic thinking, ii) to improve the way they intelligently communicate data to other stakeholders, iii) to acquire essential skills needed to ethically conduct data analytics and iv) to position themselves to pursue a career path in data analytics.

3) How does the program relate to the institution's mission and/or master plan?

Answer: Baruch College provides an inclusive, transformational education in the arts and sciences, business, and public and international affairs to students from New York and around the world and creates new knowledge through scholarship and research. The Zicklin School of Business, a public institution in New York City, educates future business leaders by developing intellectual curiosity, strong integrity, a commitment to social responsibility, and global competence through impactful research and quality academic programs.

A Baruch education is a financially accessible and powerful catalyst for the social, cultural, and economic mobility of students and a strong foundation for lifelong learning and community impact. Our academic programs offer extraordinary value. Our diverse and outstanding faculty and staff are themselves lifelong learners, who continue to develop their expertise as teachers and administrators, augment their success as scholars and practitioners and exercise their talent as creators of art and facilitators of student success.

The advanced certificate in data analytics aligns with our mission in that the program provides a financially accessible path for students to continue their lifelong learning and a first step for students to explore the path toward a graduate degree. This program is geared to equip students with skills needed in the market today.

4) Describe the role of faculty in the program's design.
Answer: The program will be fully faculty-driven. Faculty are responsible for the design of the program structure, for the development/update and delivery of the courses that are part of the certificate program, and for assessment and continuous improvement of the program.

5) Describe the input by external partners, if any (e.g., employers and institutions offering further education).
Answer: The development of the program is shaped by conversations with professionals in the industry about the nature and structure of academic programs we offer, as well as the kind of changes needed to equip our students with skills needed in the current market. Also helpful were lessons learnt from professional/academic conferences through which we heard the importance of creating modular, short programs that will be attractive for prospective students that are not yet ready to commit to a full-length graduate program or would like to develop specific skillsets that do not require a full-length graduate program.

6) What are the anticipated Year 1 *through* Year 5 enrollments?
Answer: Approximately 25 new students each semester from years 1 through 5

5. Admissions

1) List all *program* admission requirements (or note if identical to the institution's admission requirements).

Answer: Applicants to the Certificate program must have completed a bachelor's degree from an accredited institution (or foreign equivalent). Students will need to satisfy the criteria used for admission to our Master of Science in Business Analytics program, which consists of holistic review of a candidate's previous academic record, GMAT/GRE score report (optional), writing skills, employment or internship experiences, and career aspirations.

2) Describe the process for evaluating exceptions to these requirements.
Answer: The Zicklin School does not permit students without a Bachelor's degree to enroll in graduate-level programs. The GMAT/GRE requirement is optional for candidates applying to the Certificate programs.

3) How will the institution encourage enrollment by persons from groups historically underrepresented in the discipline or occupation?

Answer: The Zicklin School currently recruits students from under-represented backgrounds through media campaigns targeting CUNY and SUNY graduates and by hosting specific recruitment events that highlight the diversity of Zicklin's student population and the School's DEI initiatives.

6. Academic Support Services

Summarize the academic support services available to help students succeed in the program.

Answer: The Office of Graduate Programs provides advising and student support services for students in all Zicklin School of Business graduate programs. Office of Graduate Programs supports students on registration, waitlists, academic standing, appeals, and will also help direct students toward other student support services/offices at the college including the counseling center, student academic consulting center, writing center, etc.

7. Credit for Experience

If this program will grant substantial credit for learning derived from experience, describe the methods of evaluating the learning and the maximum number of credits allowed.

Answer: This program will not grant credit for experience.

8. Program Assessment and Improvement

Summarize the plan for periodic evaluation of the new program, including the use of data to inform program improvement.

Answer: We will follow the assessment procedures we use for all our Zicklin academic programs. Our director of assessment and curriculum management will work with faculty in developing and introducing assessment instruments, collect data, analyze data, and report to our graduate curriculum committee on any recommendations for continuous improvement. Our faculty and program office director will also continue seeking input from industry professionals on any changing trends in the market that we will use to inform changes in our certificate program and courses.

Task 3 - Sample Program Schedule

NOTE: The sample program schedule is used to determine program eligibility for financial aid.

Guidance for this task can be found by clicking here: Department Expectations: Curriculum (including Internships, Financial Aid Considerations, and Liberal Arts and Sciences)

Relevant regulations for this task can be found by clicking here: Relevant Regulations for Task 3

a). Complete **Table 1**.

b). If the program will be **offered through a nontraditional schedule**, provide a brief explanation of the schedule, including its impact on financial aid eligibility.
Answer: Courses that are part of the program will all be offered in weekday evenings and/or weekends.

c). For existing courses, enter the **catalog description** of the courses.
Answer:

CIS 9650 - Programming for Analytics Graduate
| 3 Credits | 3 Hours
The main objective of the course is to introduce the basic principles of programming for data analytics. The course will use a currently popular programming language that is used to support data analytics. Students will learn how to program in order to access, wrangle, and explore data as well as how to use programming in data analytics-focused applications such as basic visualization and text mining. Even though the course focuses on data analytic applications, the students will also be able to write non-trivial programs in other domains.
Prerequisite: None.

CIS 9557 - Business Analytics
Graduate | 3 Credits | 3 Hours
To successfully compete in today's global business environment an organization must constantly monitor, recognize and understand every aspect and every issue of its operations, its industry and the overall business environment. This course focuses on business analytics - an information technology approach to data collection and data analysis - to support a wide variety of management tasks, from performance evaluation to trend spotting and policy making. Students learn analytical components and technologies used to create dashboards and scorecards, data/text/Web mining methods for trend and sentiment analysis, and artificial intelligence techniques used to develop intelligent systems for decision support. Students will actively participate in this course through class discussions, project preparation and presentation, and visual tool utilization.
Prerequisite: None.

CIS 9655 - Data Visualization
Graduate | 3 Credits | 3 Hours
This course examines how to design and use interactive visualization for analytical reasoning. Topics covered in this course include 1) analytical reasoning techniques, 2) visual representations and interaction techniques, 3) data representation and transformation, and 4) techniques to support production, presentation, and dissemination of the results. This course will blend various theoretical and applied technical concepts of visual analytics.
Prerequisite CIS 9650

d). Syllabi:

Provide syllabi for all new courses**.** The expected components of a syllabus are listed in Department Expectations: Curriculum.

Note: Although it is required to submit syllabi for all new courses as noted, syllabi for ***all*** courses required for the proposed program should be available upon request.

Instructions for submitting syllabi:

All required syllabi must be included in a single, separate PDF document.

Table 1: Certificate/Advanced Certificate Program Schedule

- Indicate **academic calendar** type: ☒ Semester ☐ Quarter ☐ Trimester ☐ Other (describe):
- Label each term in sequence, consistent with the institution's academic calendar (e.g., Fall 1, Spring 1, Fall 2)
- Use the table to show **how a typical student may progress through the program**; copy/expand the table as needed.

Term: Fall 1			
Course Number & Title	Credits	New	Prerequisite(s)
CIS 9650	3		None
CIS 9557	3		None
Term credit total:	6		

Term: Spring 1			
Course Number & Title	Credits	New	Prerequisite(s)
CIS 9655	3		Cis 9650
Term credit total:	3		

Term:			
Course Number & Title	Credits	New	Prerequisite(s)

Term:			
Course Number & Title	Credits	New	Prerequisite(s)

Term credit total:			

Term:

Course Number & Title	Credits	New	Prerequisite(s)
Term credit total:			

Term:

Course Number & Title	Credits	New	Prerequisite(s)
Term credit total:			

Term credit total:			

Term:

Course Number & Title	Credits	New	Prerequisite(s)
Term credit total:			

Term:

Course Number & Title	Credits	New	Prerequisite(s)
Term credit total:			

Program Totals:	**Credits: 9**	

New: indicate if new course **Prerequisite(s)**: list prerequisite(s) for the noted course

Task 4. Faculty

Guidance for this task can be found by clicking here: Department Expectations: Faculty

Relevant regulations for this task can be found by clicking here: Relevant Regulations for Task 4

a) Complete the faculty tables that describe faculty (**Table 2 and Table 3**), and faculty to be hired (**Table 4**), as applicable. Faculty curricula vitae should be provided only by request.

b) What is the institution's definition of "full-time" faculty? Include the number of credits expected to be taught by full-time faculty per academic term.

Answer:

Table 2: Current Faculty, Full-Time

- Provide information on faculty members who are full-time at the institution and who will be teaching each course in the major field or graduate program. *Include and identify the Program Director.

Faculty Member Name and Title/Rank at Institution (include and identify Program Director)	Expected Program Course Assignments	Percent of Teaching Time to Program	Highest and Other Applicable Earned Degrees and Disciplines (include College/University)	Additional Qualifications: list related certifications/licenses; professional experience in field, scholarly contributions, other academic affiliations.
Al Balawi, Ramah: Assistant Professor		Full-Time	PhD (University of Illinois at Chicago - 2022): Management Information Systems	Publication(s) in journals Taught courses in CIS
Alemayehu, Berhanu: Lecturer (Doctoral Schedule)		Full-Time	DPH (University of Michigan - 2001): Health Policy/Health Economics	Publication(s) in journals Taught courses in statistics
Basak, Ecem: Assistant Professor		Full-Time	PhD (University of Illinois at Chicago - 2021): Management Information Systems	Taught courses in CIS
Brandwein, Ann: Full Professor		Full-Time	PHD (Rutgers University - 1975): Statistics	Publication(s) in journals Taught courses in statistics
Cai, Yuanfeng: Associate Professor	CIS 9557	Full-Time	PhD (Iowa State University - 2014): Information Systems	Publication(s) in journals Taught courses in CIS and statistics
Cao, Chengxin: Assistant Professor		Full-Time	PhD (University of Minnesota - 2017): Management Information Systems	Publication(s) in journals Taught courses in CIS
Croker, Albert: Full Professor		Full-Time	PhD (SUNY at Suny Brook - 1984): Computer Science	Taught courses in CIS
Deng, Chaoqun: Assistant Professor		Full-Time	PhD (Rensselaer Polytechnic Institute - 2018): Management	Publication(s) in journals Taught courses in CIS
ElBarmi, Hammou: Full Professor		Full-Time	PhD (University of Iowa - 1993): Statistics	Publication(s) in journals Taught courses in statistics

Fich, Raquel: Full Professor	CIS 9650	Full-Time	PhD (Rutgers University, Graduate School of Management, Newark Campus - 1997): Management Information Systems	Publication(s) in journals
Friedman, Linda: Full Professor		Full-Time	PHD (Polytechnic Institute of New York - 1983): Operations Research	Publication(s) in journals Taught courses in statistics

Gao, Qiang: Assistant Professor	CIS 9557	Full-Time	PhD (The University of Arizona - 2016): Management Information Systems	Publication(s) in journals Taught courses in CIS
Harel, Arie: Associate Professor		Full-Time	PhD (Graduate School of Business, Columbia University - 1986): Management Science	Publication(s) in journals
Holowczak, Richard: Associate Professor		Full-Time	PHD (Rutgers University - 1997): Computer Information Systems	Publication(s) in journals Taught courses in CIS
Hwang, Youngdeok: Assistant Professor		Full-Time	PhD (University of Wisconsin-Madison - 2012): Statistics	Publication(s) in journals Taught courses in statistics
Jain, Radhika: Associate Professor	CIS 9655	Full-Time	PHD (Georgia State University - 2006): CIS	Taught courses in CIS
Kim, Jooho: Assistant Professor		Full-Time	PhD (University of California, Irvine - 2021): Information Systems, Business	Publication(s) in journals
Koufaris, Marios: Full Professor		Full-Time	PhD (Stern School of Business, New York University - 2000): Information Systems	Publication(s) in journals Taught courses in CIS
Kumar, Nanda: Full Professor	CIS 9650 CIS 9557 *** Program Director	Full-Time	PhD (Sauder School of Business, University of British Columbia - 2003): Management Information System	Publication(s) in journals Taught courses in CIS
Lang, Karl: Full Professor		Full-Time	PhD (University Of Texas - 1993): Management Science	Publication(s) in journals
Lee, Chung Eun: Associate Professor		Full-Time	PhD (University of Illinois at UrbanaChampaign - 2017): Statistics	Publication(s) in journals
Li, Zeda: Assistant Professor		Full-Time	PhD (Temple University - 2018): Statistics	Publication(s) in journals
Ma, Pai: Associate Professor		Full-Time	PHD (New York University - 1988): Information Systems	Taught courses in CIS

Mohan, Kannan: Full Professor		Full-Time	PhD (Georgia State University - 2003): Computer Information Systems	Publication(s) in journals
Moores, Trevor: Full Professor		Full-Time	PhD (University of Aston - 1993):	Publication(s) in journals Taught courses in CIS
O' Connell, Anna: Lecturer	CIS 9650	Full-Time	MS (Columbia University - 2008): Technology Management	Taught courses in CIS
Palley, Michael: Full Professor		Full-Time	PHD (Stern School of Business, NYU - 1985): Information Systems	Taught courses in CIS
Pell, Gideon: Distinguished Lecturer		Full-Time	BSc (Imperial College - 1980): Mathematics	Taught courses in CIS

Rahnama Rad, Kamiar: Associate Professor		Full-Time	PhD (Columbia University - 2011): Statistics	Publication(s) in journals Taught courses in statistics
Schwartz, Morris: Lecturer		Full-Time	MBA (New York Institute of Technology - 1982): Financial Management	Taught courses in CIS
Taksa, Isak: Associate Professor		Full-Time	PhD (City University of New York - 2002): Computer Science	Taught courses in CIS
Tambe Ebot, Alain Claude: Assistant Professor		Full-Time	Doctor of Science (University of Jyvaskyla - 2017): Information Systems	Publication(s) in journals Taught courses in CIS
Tansel, Abdullah: Full Professor		Full-Time	PHD (Middle East Technical University - 1981): Computer Engineering	Publication(s) in journals
Tatum, Lawrence: Associate Professor		Full-Time	PHD (New York University - 1991): Statistics	Taught courses in CIS and statistics
Vaghefi, Isaac: Assistant Professor	CIS 9650	Full-Time	PhD (McGill University - 2016): Management - Information Systems	Publication(s) in journals
Wang, Shuting: Assistant Professor	CIS 9557	Full-Time	PhD (Temple University - 2019): Management Information Systems	Publication(s) in journals Taught courses in CIS
Wu, Rongning: Associate Professor		Full-Time	PHD (Colorado State University - 2007): Statistics	Publication(s) in journals Taught courses in statistics

Yazdanmehr, Adel: Assistant Professor		Full-Time	PhD (University of Texas at Arlington - 2017): Management Information Systems	Publication(s) in journals Taught courses in CIS
Yue, Yu: Associate Professor		Full-Time	PHD (University of Missouri - 2008): Statistics	Publication(s) in journals Taught courses in statistics
Yun, Sooin: Assistant Professor		Full-Time	PhD (University of Illinois at UrbanaChampaign - 2021): Statistics	Publication(s) in journals

Table 3: Current Faculty, Part-Time

Provide information on faculty members who are part-time at the institution and who will be teaching each course in the major field or graduate program.

Faculty Member Name and Title/Rank at Institution (include and identify Program Director)	Expected Program Course Assignments	Percent of Teaching Time to Program	Highest and Other Applicable Earned Degrees and Disciplines (include College/University)	Additional Qualifications: list related certifications/licenses; professional experience in field, scholarly contributions, other academic affiliations.
Alvarado-Dejesus, Rosa: Adjunct Lecturer		Part-time	MBA (Baruch College - 2008): Management	Professional experience as Information Technology Specialist Taught courses in statistics
Appel, Joshua: Adjunct Lecturer		Part-time	BS (Brooklyn College - 1991): Accounting, Business Management and Finance, Computer and Information Sciences / Systems	Taught courses in CIS
Benkoil, Dorian: Adjunct Lecturer		Part-time	MBA (baruch college - 2007): MBA	Professional experience as Principal Taught courses in CIS
Bianco, Mara: Adjunct Lecturer		Part-time	MSed (Baruch College-SPA - 1999): Higher Education Administration	Professional experience as Program Manger Taught courses in CIS

Bien-Aime, Jefferson: Adjunct Lecturer		Part-time	Master (Universite de Nice Sofia Antipolis - 2012): Computer Science and Technology	Professional experience as Lead Software Engineer Taught courses in CIS
Bonhomme, Lubens: Adjunct Lecturer		Part-time	Masters (Rensselaer Polytechnic Institute - 2007): Management Information Systems	Certification in CISA, CISM and CDPSE Professional experience as Senior Director - IT Audit Taught courses in CIS

Brown, Rudolph: Adjunct Lecturer		Part-time	MS (Baruch College - 1998): CIS	Certification in PMP Professional experience as Head of Event Tech Solutions Taught courses in CIS
Chowdhury, Mohammad: Adjunct Lecturer		Part-time	MSc (Queens College, CUNY - 2005): Computer Science	Taught courses in CIS and statistics
Chowdhury, Sadat: Adjunct Asst Professor		Part-time	PhD (CUNY, Graduate Center - 2016): Computer Science (Machine Learning)	Professional experience as Vice President Taught courses in CIS
Collard, Jean-Francois: Adjunct Asst Professor		Part-time	PhD (University of Paris - 1995): Computer Science	Professional experience as Director Taught courses in statistics
Dabare, Gehan: Adjunct Lecturer		Part-time	MBA (PACE university - 1999): Finance and Information Systems	Certification in Cissp, ccsp, cism, CISA, AWS, SANS GIAC, ECISO Professional experience as Head of Enterprise IAM - Cyber Taught courses in CIS

D'Angelo, Michael: Adjunct Lecturer		Part-time	MS (University of Maryland - 2017): Digital Forensics	Certification in GCFA, GCFE, ACE, ENCE Professional experience as Lead Forensic Consultant Taught courses in CIS
Domanski, Jeffrey: Adjunct Lecturer	CIS 9557	Part-time	MBA (NYU Stern School of Business - 2015): Business Analytics	Professional experience as Executive Director - Analytics and BI Taught courses in CIS
Ennoure, Taoufik: Adjunct Lecturer		Part-time	Master (Lehman College - 2009): Computer Science	Professional experience as Adjucnt Professor Taught courses in CIS
Feldman, Michael: Adjunct Lecturer	CIS 9650	Part-time	MS (SNHU - 2021): Data Analytics	Professional experience as Consultant Taught courses in CIS

Gardner, David: Adjunct Lecturer		Part-time	MBA (Tulane University - 1991): Business - Human Capital and Public Health	Certification in Scrummaster Professional experience as Managing Director Taught courses in CIS
Gasparre, Richard: Adjunct Lecturer		Part-time	MBA (NYU - 1992): Finance	Certification in CFA Taught courses in CIS
Gersch, Jonathan: Adjunct Lecturer		Part-time	MS (NYU - 1996): Statistics and Operations Research	Professional experience as Professor Taught courses in statistics
Gill, Balwant: Adjunct Asst Professor		Part-time	Ph.D (Punjab Agricultiral University - 1982): Statistics	Taught courses in statistics

Goldstein, Frederic: Adjunct Lecturer		Part-time	MBA (Baruch - 1969): Computer Methodology	Certification in CPA Professional experience as Proprietor Taught courses in CIS
Golfari, Andrea: Adjunct Asst Professor		Part-time	PhD (Baruch College - 2022): Finance	Professional experience as Managing Partner Taught courses in statistics
Gourgey, Annette: Adjunct Asst Professor		Part-time	PhD (New York University - 1982): Educational measurement	Taught courses in statistics
Harrison, Peter: Adjunct Lecturer		Part-time	MUP (Columbia University - 2013): Urban Planning	Professional experience as Director Taught courses in CIS Publication in report(s)
Held, Jason: Adjunct Lecturer		Part-time	MS (Boston University - 2020): Information Systems, Security	Professional experience as Principal Taught courses in CIS
Iasonos, Alexia: Adjunct Professor		Part-time	PhD (University of Albany - 2002): Biometry and Statistics	Professional experience as Attending Biostatistician Taught courses in statistics Multiple publications

Izen, Curtis: Adjunct Lecturer		Part-time	MBA (Baruch College - 1994): Information Systems	Certification in MOUS, VCE, MCP Professional experience as Sr. Information Associate Taught courses in CIS
Javaly, Vinayak: Adjunct Lecturer	CIS 9557	Part-time	MS (Polytechnic University - 1991): Computer Science	Professional experience as CTO Taught courses in CIS and statistics

Johnson, Troy: Adjunct Lecturer		Part-time	MBA (New York University - 1993): Business	Professional experience as President Taught courses in CIS
Kamruzzaman, Abu: Adjunct Asst Professor		Part-time	PhD (Pace University - 2018): Computer Science	Professional experience as Enterprise App. Developer Taught courses in CIS Several publication(s)
Kim, Soo Young: Adjunct Lecturer		Part-time	Masters (Columbia University - 2017): Quantitative Methods	Professional experience as Statistician Taught courses in statistics
Kline, Howard: Adjunct Lecturer		Part-time	MA (University of Penn - 1970): Philosophy / Computer Science	Taught courses in CIS
Licciardello, Thomas: Adjunct Lecturer		Part-time	Masters (Columbia University - 2011): Technology	Certification in CISSP, MCSE, A+ Professional experience as Chief Technology Officer Taught courses in CIS
Martich, Luisa: Adjunct Lecturer		Part-time	Masters (CUNY SPS - 2016): Management and Leadership	Certification in ITIL Foundation, Master Certificate in IT Project Management, HSR FOR SOCIAL & BEHAVIORAL FACULTY, GRADUATE STUDENTS & POSTDOCTORAL SCHOLARS Professional experience as CIO Taught courses in CIS
Muro Flomenbaum, Jaime: Jemba Adj Asst Professor		Part-time	PhD (GRADUATE CENTER, CUNY - 2011): Information Systems	Professional experience as Risk

				Manager Taught courses in CIS
Nagale, Sonyl: Adjunct Lecturer	CIS 9650	Part-time	B.F.A., B.A. (Iowa State University - 2004): Graphic Design, Philosophy	Professional experience as Solutions Architect Taught courses in CIS Publication
O'Donnell, Michael: Adjunct Lecturer		Part-time	MS (CUNY SPS - 2020): Data Science	Professional experience as Data Scientist Taught courses in CIS
Osahan, Sukhminder: Adjunct Asst Professor		Part-time	PH D (PAU, INDIA - 1978): Designs of Surveys	Professional experience as Research Scientist Taught courses in statistics Publications
Park, Danny: Adjunct Lecturer	CIS 9557	Part-time	MBA (Baruch - 2012): CIS	Certification in CPA, PMP, ACP, LSSBB Professional experience as Senior Manager Taught courses in CIS
Payne, David: Adjunct Lecturer		Part-time	JD (St. John's University School of Law - 2006): Trusts and Estates	Certification in Microsoft Office Certified Trainer (MCT) 2015, MS Office Expert Certification 2015 Professional experience as Legal Assistant 2 Taught courses in CIS
Rosen, Todd: Adjunct Lecturer		Part-time	MBA (Baruch College - 1988): Concentration in MIS	Professional experience as Business Development Manager Taught courses in CIS

Sabban, Ronald: Adjunct Lecturer		Part-time	JD (New York University School of Law - 2007): Law	Professional experience as VP Taught courses in statistics

Shah, Sumukh: Adjunct Lecturer		Part-time	Masters (NYIT - 2008): Computer science	Certification in cisa Professional experience as Senior Audit Director Taught courses in CIS
Smith, Glova: Adjunct Lecturer		Part-time	M.S. (Lehman College - 1994): Computer Science	Professional experience as Director of Technology, ZSB Taught courses in CIS
Stinerock, Robert: Jemba Adj Professor		Part-time	PhD (Columbia - 1987): Marketing and Quantitative Methods	Professional experience as Adjunct Taught courses in statistics Published textbook
Tedeschi, Mary: Adjunct Asst Professor		Part-time	Doctorate (Pace - 2006): Computer	Professional experience as Adj Taught courses in CIS
Teller, Moshe: Adjunct Lecturer		Part-time	masters (Brooklyn College CUNY - 1976): Accounting & Computers	Certification in IBM seminars, NYS Teachers License & Various boot camps Education courses Taught courses in CIS
Thakur, Kutub: Adjunct Asst Professor		Part-time	PHD (PACE UNIVERSITY - 2018): COMPUTER SCIENCE	Certification in CISM, CEH, CHFI Professional experience as INFO SEC Taught courses in CIS Publications and conferences
Tseng, Jason: Adjunct Lecturer		Part-time	MBA (Baruch College - 2012): Information Systems	Professional experience as Computer Manager 3 Taught courses in CIS

Wheeler, Adrienne: Adjunct Asst Professor		Part-time	Ed.D (Teachers College, Columbia University - 2011): Instructional Technology	Professional experience as Teacher Taught courses in CIS
Wine, Stanley: Adjunct Lecturer		Part-time	MBA (Baruch College/CUNY - 1978): Computer Methodology	Taught courses in CIS

Table 4: Faculty to be Hired

- If faculty must be hired to teach in the proposed program, specify the title/rank of each new position, the number of new positions, full-time or part-time status, a listing of the expected course assignments for each position, and the expected hiring date.
- Position descriptions and/or announcements may also be submitted.
- Prior to offering the assigned courses, the Department must be notified that a faculty meeting the requirements has been hired.
- These proposed faculty should be reflected in Task 5, Table 4, New Resources

Full-time Faculty

Title/Rank of Position	# of New Positions	Minimum Qualifications (including degree and discipline area)	Expected Course Assignments	Expected Hiring Date (mm/dd/yyyy)
N/A				

Part-time Faculty

Title/Rank of Position	# of New Positions	Minimum Qualifications (including degree and discipline area)	Expected Course Assignments	Expected Hiring Date (mm/dd/yyyy)
N/A				

Task 5. Financial Resources and Instructional Facilities

Guidance for this task can be found by clicking here: Department Expectations: Financial Resources and Instructional Facilities

Relevant Regulations for this task can be found by clicking here: Relevant Regulations for Task 5

a) Summarize the instructional facilities and equipment committed to ensure the success of the program.

Answer: The proposed advanced certificate program will take advantage of the existing computer labs and computing capabilities in the Zicklin School of Business and Baruch College that have been serving our graduate students in various computing and data analytics related courses each semester. In addition, Baruch College operates the Subotnick Financial Services Center, with its centerpiece of the Bert W. and Sandra Wasserman Trading Floor, a fully equipped, simulated trading environment featuring 55 high-end, dual-screen workstations providing access to real-time market data feeds, and financial analytical tools. The center also features the 60seat Sidney I. Lirtzman Seminar Hall and a 25-seat Development Room. The Seminar Hall is often used for lecture-style classes and student clubs. The Development Room is used for a variety of hands-on and instructional classes. The center also houses the Baruch Options Data Warehouse, which maintains historical equities and equity options data from the US markets. These facilities will provide adequate computing capability to meet the needs of the proposed certificate program at its launch and near terms needs. We also have mobile laptop carts that we use in our classrooms to help us convert traditional classrooms into computer labs. Our classroom technology is also already equipped with the infrastructure needed for the certificate program. Various student clubs – particularly the Data Science and Analytics Society – provide opportunities for co-curricular activities. As the courses in the new certificate program are existing courses that we offer as part of our MSBusiness Analytics and MS-Information Systems, we will rely on the same well-developed infrastructure for the new certificate program as well.

b) Complete the new resources table (**Table 4**).

Not Applicable: ☐

Table 5: New Resources

List the costs of the **new** resources that will be engaged specifically as a result of the new program (e.g., a new faculty position or additional library resources). New resources for a given year should be carried over to the following year(s), with adjustments for inflation, if they represent a continuing cost.

New Expenditures	Year 1	Year 2	Year 3
Personnel			
Library			
Equipment			
Laboratories			

Supplies & Expenses (Other Than Personal Service)			
Capital Expenditures			
Other			
Total all			

Task 6. Library Resources

Guidance for this task can be found by clicking here: Department Expectations: Library Resources

Relevant regulations for this task can be found by clicking here: Relevant Regulations for Task 6

a) Summarize the analysis of library resources *for this program* by the collection librarian and program faculty. Include an **assessment of existing library resources** and their accessibility to students.

Answer: The William and Anita Newman Library, housed in the Library and Technology building on Baruch College campus, serves as the primary library and supporting facility for all academic programs offered at Baruch College, and would serve as the primary library for the proposed certificate program. The Library is a part of the 330,000 square foot Library and Technology Center, which also houses a 400 seat student computing lab, Subotnick Financial Services Center, conference center, and several administrative offices of Baruch College. With its vast physical collections of books and reference materials, as well as the extended capabilities of electronic and online collections and interlibrary system with CUNY, the Library would be more than adequate for supporting the new certificate program. A summary description of the library's facilities, collections, and services are shown in Table 11.

Facilities	**Numbers**
Seats	1,450
Group Study Rooms	29
Open Hours per Week	119
Classrooms	3
Collections	**Numbers**
Number of Print Book Volumes	330,647
Number of eBook Titles	515,356
Units of Microform	2,066,697
Serial Titles (print & digital)	117,795
Services	**Numbers**
Book Circulation Transactions (annual)	141,568
In-Person Reference Transactions and Consultations (annual)	10,392

Virtual Reference Transactions (annual)	2,433
Interlibrary Loans (Loaned / Borrowed)	3071 / 2815
Number of Staff (FTE)	56
Technology	**Numbers**
Laptops Available for Loan	385
Public Computers in Library	104
e-book & e-Journal use (annual)	1,315,205

b) Describe the institution's response to identified needs and its plan for library development.

Answer: Current library infrastructure is more than sufficient to support students and faculty for the proposed certificate program.