

The meeting will come to order:

Chair Kevin L. Ferguson called the meeting to order at 3:38 p.m.

1. Approval of Agenda:

- i. MOTION: Duly made by Chair Ferguson:

“To approve the agenda”

Hearing no objection to the motion, the agenda was approved as distributed.

2. Approval of Minutes:

- i. MOTION: Duly made by Chair Ferguson:

“To approve the last and new senate minutes dated May 12, 2022”

Hearing no objection to the motion the minutes were approved as distributed.

3. Announcements, Administrative Reports and Memorials:

- a. Chair Ferguson introduced our guest speaker, President Frank H. Wu. President Wu discussed three topics: Vision for the institution, Diversity Equity and Inclusion and COVID-19 protocols. President Wu stated that the vision of the institution is to be the school with the double or triple major and a place where students have more opportunities and options. Next, President Wu spoke about Diversity Equity and Inclusion. He gave thanks to Dean Jerima DeWese on the comprehensive investigation regarding the incident of January 6. He also stated that three more people will be hired to work with Dean DeWese to work on DEI. Lastly, President Wu spoke about COVID-19 protocols. QC will continue to welcome people safely. COVID-19 vaccination or a PCR test and a Cleared4 pass will be required for entry. QC will continue to adapt overtime and follow the science. President Wu gave thanks to the Senate for the opportunity and looks forward to meeting in-person. Following his remarks, President Wu answered questions from senators.
- b. Chair Ferguson announced that the meeting scheduled on April 13, 2023 (Spring break) was changed to April 20, 2023.
- c. Chair Ferguson and Parliamentarian Fields spoke about the different modality options available for Senate meetings. These options would be available if executive order # 11, expires on September 12, 2022 and if the Senate body adopts a resolution. Chair Ferguson encouraged senators to reach out with their thoughts.

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4. **Special Motions:** (none)

5. **Committee Reports:**

5a. Undergraduate Curriculum Committee

i. MOTION: Duly made by Ken Lord, Chair of the UCC:

Editorial Correction: Page 2, Change ~~Intro Ethics~~-PHIL 160 To: Business Ethics PHIL 160

“To accept the UCC minutes dated May 12, 2022, as amended”

Hearing no objection to the motion, the Chair moved unanimous consent.

Undergraduate Curriculum Committee

Minutes of 5/12/2022

A. General Education

1. General Education Matters
2. Mathematics and Quantitative Reasoning Advisory Committee
3. Writing Intensive Advisory Committee.
4. STEM variant courses.
None.

1. BBA program in Policy and Business Analytics

A. Overview of the curriculum.

We envision the Policy and Business Analytics BBA program to be a modern rendition of a public policy major, with a curriculum that emphasizes:

- 1) strong quantitative skills so that graduates may assess policy implications using current data analysis methods
- 2) business foundations so that graduates have a solid understanding of the implications of policies from a business standpoint, and
- 3) expertise in at least one policy area.

The curriculum is also designed to promote development of writing and research by requiring students to produce a technical document, such as a Policy Report. Students will also be encouraged to develop job skills via internship electives

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(5a. UCC continued)

Core requirements: 11 BBA Requirements

Introduction to Accounting I	ACCT 101
Introduction to Accounting II	ACCT 102
Principles of Macroeconomics	ECON 101
Principles of Microeconomics	ECON 102
Corporate finance	BUS 241
Marketing	BUS 243
Business Economics	BUS 247
Calculus	MATH 141 (or MATH 151)
Statistics	ECON 249 (or MATH 241)
Econometrics	ECON 382
Intro Ethics	PHIL 160

Core requirements: 4 Business Policy Analysis Requirements

Macroeconomic Analysis	ECON 201
Microeconomic Analysis	ECON 202
Advanced Econometrics	ECON 387
Benefit-Cost Analysis.	ECON 262

Electives and Concentrations

5 electives total, with **2** or **3** courses from the broad electives course and **2-3** courses from the specialized electives list. Students must take at least **2** specialized electives in one area of concentration among the following four categories: **1) workforce and diversity, 2) development and international economics, 3) environment and sustainability, 4) market regulation and technology.** Students will complete a policy report (ECON 262) or Honors thesis (BUS/ECON 392W) in their policy area.

The total number of required credits for the major is 60 credits, with 20 classes of 3 credits each.

Broad Electives

Honors Seminar	BUS/ECON 392W
Public Finance	ECON 317
Internship for Economics	ECON 393
Making Public Policy	URBST 221W
Introduction to Urban Housing	URBST 222
Introduction to Public Administration	URBST 223
American State and Local Government	PSCI 210
The Legislative Process in America	PSCI 213
Politics and the Media	PSCI 220
Public Policy in the Political Process	PSCI 221

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Internship in Urban Politics	PSCI 292W
Internship in International Politics	PSCI 296W
Internships in New York City and Around the World	PSCI 298.3
Summer Internship in Washington, D.C.	PSCI 299
Machine Learning in Business	BUS 390

Specialized Electives: Workforce & Diversity

Economics of the Labor Force	ECON 213
Economics of Immigration	ECON 216
Class, Race and Sex	ECON 219
Economics of Health & Income Maintenance Programs	ECON260
Urban Economics	ECON 246
Women in Politics and the Government	PSCI 225
Urban Labor and Labor Movements	URBST 239W/LABST 101W
Cities and Social Medicine	URBST 231
Health Policy-Making	URBST 232
Emerging Diseases	URBST 336
Social Problems	SOC 208
Work, Industry, and Society	SOC 228

Specialized Electives: Development & International Economics

Economic Development	ECON 208
International Economics	ECON 326
International Finance	ECON 328
Economics of Asia	ECON 211
Economics of Latin America	ECON 212
Economics of China	ECON 231
American History	ECON 223W
Economics of Globalization	ECON 233
History of Intl Bus and Finance	ECON 229
Politics of Development	PSCI 230
Transitions to Democracy	PSCI 233
Colloquium in Law and Politics and Sustainable Development	PSCI289

Specialized Electives: Environment & Sustainability

Economics of the Environment	ECON 228
Climate Change	ECON232
Urban Economics	ECON246
Our Planet in the 21st Century: Challenges to Humanity, 4 cr.	ENSCI 100
Environmental and Public Health Policy and Practice	URBST 230
Introduction to GIS	URBST 263
The Changing Urban Environment	URBST 252

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Specialized Electives: Market Regulation & Technology

Econ of Technology and Media	ECON 245
Industrial Organization	ECON340
Consumer Economics and Personal Finance	ECON 220
Regulation of American Business	ECON 242
Economics of Crypto-Assets	ECON 301
Economics of Blockchain and Money	ECON 302

2. English

To: ENGL 115 (.1 .2 and .3) VT

Co-requisite ENGL 110.

A writing course for students concurrently enrolled in ENGL 110. This course is designed to focus students' attention on specific topics and issues in writing through extensive reading, practice in a variety of writing techniques appropriate to the topic, and reflection upon the readings and their own written work. Topics will vary based on students' writing interests and experiences and may include the writing process; comparative analyses of different writing situations and disciplinary forms of argument; sentence and paragraph styles; and revision. When the topic scope and amount of reading warrant it, this course will be offered on a 3-hour, 3-credit basis. The 1-hour, 1-credit version and the 2-hour, 2-credit version may be taken twice when the specific topic varies.

3. SEES

To Read:

GEOL 210. Water Resources and Conservation.

3 lec. hr.; 3 cr. Prereq.: GEOL ~~100 and~~ 101, ENSCI 100 and ENGL 110 ~~or ENSTD 200 or ENSCI 111 or 112; prereq. or coreq.: GEOL 102~~ or permission of the instructor. Water use, problems of water supply, water resource management, water quality (present and potential pollution problems and solutions), and water conflicts around the world. Topics will be explored through a study of the historical context, the-physical process, environmental risks, and future issues.

4. Computer Science

New courses:

CSCI 325. Machine Learning

3 hr.; 3 cr. Prereq.: CSCI 313, MATH 231

Foundations of machine learning, linear regression, logistic regression (classification), nonlinear transformation, regularization, validation, random forest, support-vector machine, neural network, deep learning, Unsupervised learning (K-Means), dimensionality reduction (PCA), machine learning pipeline. Programming projects.

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CSCI 346. Cloud Computing

3 hr.; 3 cr. Prereq.: CSCI 313, MATH 231

Overview of cloud computing, data centers, virtualization, cloud systems for big data storage & processing, cloud systems for machine learning, resource scheduling and resource management in the cloud, consistency, and fault tolerance. Programming projects.

CSCI 367. Digital Image Processing

3 hr.; 3 cr. Prereq.: CSCI 313, MATH 231

Digital image representation, intensity transformation, filtering in the spatial domain, filtering in the frequency domain, geometric transformation, image registration, morphological processing, segmentation, feature extraction, Image pattern recognition. Programming projects.

CSCI 366. Natural Language Processing

3 hr.; 3 cr. Prereq.: CSCI 313

Language models, part-of-speech tagging, syntactic parsing, machine translation, supervised learning, naïve bayes, logistic regression, word embeddings, neural networks. Programming projects.

CSCI 328. Algorithms for Big Data.

3 hr.; 3cr. Prereq: CSCI 323, MATH 243

Hashing, Bloom filters and applications, Cuckoo filters, quotient filters, streaming algorithms, heavy hitters and count-min sketch, other sketching algorithms, external memory algorithms and I/O efficiency, dimensionality reduction, coresets, MAPReduce. Programming projects.

5. Economics

FIN 305 - Foundations of Fintech. 3 hr.; 3 cr. Prereq.: BUS 241 and ECON 215.

Description: This course aims to explore the ways in which new technologies are disrupting the financial services industry through introducing new business models, delivery methods and products. Particularly, the course will focus on payment technologies, Robo-Advising, Credit Tech and Lending, Blockchain and Cryptocurrencies, InsurTech, Real Estate Technologies, RegTech, Artificial Intelligence and Machine Learning.

BUS 390 - Machine Learning in Business. 3 hr.; 3 cr. Prereq.: ECON 382 or MATH 242, or permission of instructor. *Description:* Machine learning is considered as a branch of artificial intelligence that uses large data sets for tasks such as identifying patterns and making predictions. This course provides an introduction to the most popular tools in machine learning. The main objective is to understand how these algorithms work and interpret their results. The particular tools in this course are clustering and principal component analysis for unsupervised learning, jointly with linear and logistic regressions (with regularization), decision trees, support-vector machines, and neural networks for supervised learning.

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(5a. UCC continued)

Proposal for changes to FinTech Concentration requirements

To (Proposed new language)

Courses Required for all BBA Students.

Requirements for All BBA Students

Business Fundamentals (42 Credits)

ACCT 101 Introduction to the Theory and Practice of
Accounting I

ACCT 102 Introduction to the Theory and Practice of
Accounting II

ACCT 261 Business Law

or ACCT 367 Federal and NYS taxes and Income

BUS 241 Corporation Finance

BUS 243 Economics of Distribution and Marketing

BUS 247 Business Economics

BUS 384 Forecasting and Regression Analysis for Business

or Eco 382 Introduction to Econometrics

CSCI 48 Spread Sheet Programing

BUS 356: Applied Financial Analysis (Prereq. CSCI 48; Coreq.

BUS 341W)

or CSCI 111: Introduction to Algorithmic Problem-Solving

(Prereq. or Coreq.: MATH 120 or 151 or equivalent)

ECON 101 Introduction to Macroeconomics

ECON 102 Introduction to Microeconomics

ECON 249 Statistics as Applied to Economics

or Math 241 Introduction to Probability and
Mathematical Statistics

MATH 151 Calculus/Differentiation and Integration

or MATH 157 Honors Calculus

Communication

BUS 160W Introduction to Business Writing Core Finance

Classes:

Note: All courses in Business Fundamentals, Society and Ethics, and specialization courses taken for the BBA must be completed with a letter grade to be counted for the major P/NC grades will not be accepted.

Additional Requirements for the BBA Finance Major FinTech concentration

Required:

BUS 341W: Intermediate Finance (Prereq.: BUS 160W, BUS 241 and ECON 249 or permission of the instructor)

ECON 201: Macroeconomic Analysis (Prereq.: ECON 101 or 103 and 102 or 104)

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or ECON 215 Money and Banking (Prereq.: ECON 101 or 103 and 102 or 104)

ECON 301 Economics of Cryptoassets (Prereq.: ECON 201 or ECON 215)

ECON 302 Blockchain and Money (Prereq.: ECON 301, New Course)

FIN 305: Foundations of FinTech (2 Pre-requisites: BUS 241; ECO 215)

BUS 390: Machine Learning in Business (1 Pre-requisite: ECON 382/MATH 242)

1 Elective Course (4 credits) from:

BUS 357: Introduction to Python for Financial Applications (Prereq.: BUS341W, New Course)

BUS 386 Financial Econometrics (Prereq.: ECON 382 or BUS 384 and MATH 241 or permission of the instructor)

ECON 387 Advanced Econometrics (Prereq.: ECON 382)

Proposal for addition of courses as BBA Globalization and Environmental Electives

Proposed addition to BBA Globalization and Environmental Elective:

The Economics Department would like to propose the addition of two courses as part of the BBA Globalization and Environmental Electives so that they appear as such as part of DegreeWorks and in the college system in general.

The two courses to be added are:

ECON 232 - Economics of Climate Change

ECON 233 -Globalization now and then

5b. Nominating Committee

- i. MOTION: Duly made by Stephen Grover, Chair of the Nominating Committee:

“To accept the Nominating Committee report dated September 8, 2022”

Hearing no objection to the motion, the Chair moved unanimous consent.

1) Subcommittee on Honorary degrees

The following students were elected by unanimous consent:

Stephanie Szpylka	Math & Natural Sciences	September 2023
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Ariella Wang	Social Sciences	September 2023
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6. Old Business:

a. Nominations to the Executive Committee:

Deputy Holder Chair

The Chair accepted nominations for the **Deputy Holder of the Chair**:

The following student was nominated from the floor:

Jinn Choi

Seeing no further nominations, the Chair moved unanimous consent.

Secretary

The Chair accepted nominations for **Secretary**:

The following student was nominated from the floor:

Luis Villa

Seeing no further nominations, the Chair moved unanimous consent.

Faculty

The Chair accepted nominations for **Faculty**:

There were no nominees.

b. Nominations to the Nominating Committee:

Faculty

The Chair accepted nominations from the floor to fill the OPEN **Education** seat:

There were no nominees.

Students

The Chair accepted nominations to fill the OPEN **Arts and Humanities** seat:

The following student was nominated from the floor:

Makayla Noble

May 2024

Seeing no further nominations, the Chair moved unanimous consent.

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The Chair accepted nominations to fill the OPEN **Social Sciences** seat:

Enrique Peña Oropeza May 2024

Seeing no further nominations, the Chair moved unanimous consent.

7. New Business:

a. UFS Petition(s)

- i. MOTION: Duly made by Senator Robin Naughton:

“To nominate Grace Pai to the University Faculty Senate”

Hearing no objection to the motion, the Chair moved unanimous consent.

- i. MOTION: Duly made by Dave fields:

“To Adjourn”

The meeting was adjourned at 4:21 p.m. The next Academic Senate meeting will be on Thursday, October 13, 2022.