MINUTES OF THE ACADEMIC SENATE OF QUEENS COLLEGE   April 14, 2022

The meeting will come to order:

Chair Kevin L. Ferguson called the meeting to order at 3:41 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 minutes dated March 10, 2022"

   Editorial Correction: Page 7, remove item 2. c. "~~Spanish 779~~".

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

3. **Announcements, Administrative Reports and Memorials:**

   Chair Ferguson announced that the elections are running until Saturday, April 16. He also announced that an email about the University Faculty Senate will go out from the Provost Office. Lastly, he reminded the senate that there are two more meetings. One more meeting session for this group and immediately after will be the first meeting of the next session. How the meeting will be conducted, whether in person or virtual will depend on the open meetings law extension.

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

5. **Committee Reports:**

    a. Undergraduate Curriculum Committee

      i. MOTION: Duly made by Ken Lord, Chair of the Undergraduate Curriculum Committee:

      "To accept the UCC minutes of March 10, 2022 as distributed"

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

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. Music

a. Change in number and description.

To read:

MUSIC 341. Digital Recording and Composition II. 3 hr.; 3 cr. Prereq: MUSIC 340. Detailed and advanced study of digital audio recording and composition. This includes file management, frequency estimation, audio streaming, track compilation, submastering and complex mixing, digital mastering, and data compression. Students complete collaborative projects in digital audio, as well as recreations of extant work. To be offered online or hybrid.

b. Change in number, title and description.

To read:

MUSIC 340. Digital Recording and Composition I. 3 hr.; 3 cr. Pre- or coreq.: MUSIC 314 or permission of the instructor, based on equivalent study. Advanced-level study of the craft of digital audio recording, including acoustic theory, musical proportion, digital theory, signal flow, and other studio considerations. Students complete short creative projects, either composing original work or using pre-existing music. Students learn different styles of composition and different technological configurations, including the tools to create and mix musical content in a modern digital audio workstation. Students also learn strategies for success in an increasingly technological environment. To be offered online or hybrid.

c. New course.

MUSIC 3262. Electronic Music Studio II. 3 hr.; 3 cr. Prereq.: MUSIC 3261 or permission of the instructor. A continuation of Electronic Music Studio I, with an emphasis on modular synthesis using cross-platform software such as VCV Rack and programming with interactive software such as MAX. To be offered in-person, hybrid, or online.

d. New course.

MUSIC 3261. Electronic Music Studio I. 3 hr.; 3 cr. Prereq: MUSIC 314 or permission of instructor. Introduction to laptop-based (Mac or PC) electronic music studio synthesis through lectures and assignments. Emphasizes the virtual operation of cross-platform, software-based analog, digital, sampling, and recording techniques. To be offered in person, hybrid, or online.

e. New course.

MUSIC 344. Music for Media. 3 hr.; 3 cr. Prereq. or coreq.: MUSIC 339 or permission of instructor. This course is both a survey and study of music used in broadcast media. Topics include creating production music, musical branding, theme songs, advertising music, promo music, interstitial music used during television shows, and modular music as used in games. There will also be a business component to the class, with discussion of getting music on air and creating revenue streams.

f. New course.

MUSIC 343. Film Scoring II. 3 hr.; 3 cr. Prereq.: MUSIC 339 or permission of instructor. Advanced study of scoring to picture. Students will compose music to several short films. Students will prepare, organize, and run recording sessions to realize their works. To be offered in hybrid mode.

g. New Course.

MUSIC 339. Film Scoring I. 3 hr.; 3 cr. Prereq. or coreq.: MUSIC 314 or permission of the instructor. This course is a practical study in the fundamentals of music composition to accompany moving images in film and television. It includes the analysis of existing film music and the creation of original music based on given subjects. Issues covered include timing music to picture, interacting with production staff, and developing skills for working under deadlines. To be offered online or hybrid.

h. New Course.

MUSIC 327. Electronic Music Mixing. 3 lec. hr. plus lab.; 3 cr. Prereq.: MUSIC 314 or permission of instructor. This class explores advanced mixing techniques that are essential to electronic music composition: balance, EQ, dynamics, time-based and spatial effects, automation, pitch and time correction, mixing for digital streaming services, and more.

i. New Course.

MUSIC 317. Songwriting. 3 hr.; 3 cr. Prereq.: MUSIC 314 or permission of instructor. Students learn basic techniques of songwriting. The course covers concepts of form, rhyme, rhythm, scansion, prosody, tone, metaphor, simile, conceit, and song types. Students complete a series of projects to understand the various aspects of the songwriting process.

j. Change in Minor in Music and Production

To read:

Minor in Music and Production

Required: 21 credits

Admission into the program requires an interview with the MAP Advisor.

Required Courses in Music And Production: 12–15 credits

MUSIC 314, 335, 336, 340, 341

Note: Students can place out of MUSIC 314 with prior experience and advisor approval. Those 3 credits will be replaced with an additional elective, approved by the advisor.

Elective Courses: 6–9 credits

6–9 elective credits (9 if the student places out of MUSIC 314) are required from a set of professionally related courses in songwriting, film scoring, advanced mixing, electronic music, and music business, plus related courses in music, media, computer technologies, and acoustics. Students select these elective courses in consultation with their advisors or the MAP faculty.

k.

To read:

MUSIC 336. Audio and MIDI Sequencing II. 3 hr.; 3 cr. Prereq.: MUSIC 335 or permission of instructor. This course picks up where Audio MIDI Sequencing I left off. Each week, students learn different sequencing techniques to improve their musical compositions. Topics include recording simple audio for creating sampled instruments; rendering virtual instrument tracks to audio; equalization and audio compression; time-based effects; and audio routing within professional DAW software.

l.

To read:

MUSIC 335. Audio and MIDI Sequencing I. 3 hr.; 3 cr. Pre- or coreq.: MUSIC 314, permission of instructor, or equivalent study. The basics of digital sequencing using Virtual Instruments/MIDI and audio files inside a modern digital audio workstation to establish a strong foundation for further studies in composition and production. Through weekly assignments, students learn to work in a digital audio workstation (DAW) environment. Students will learn to input and edit notes as well as continuous controller automation to create expressive music. Students will master file import, quantizing, and time stretching of audio files. They will then

learn to integrate those tracks with virtual instruments as an introduction to recording live audio. This class will emphasize content creation.

2. **Communication Science and Disorders**

a. **Change to the major.**

Change to a Major: Communication Sciences and Disorders (COMSCI-BA)

To Read:

Required Courses that can be taken any time: ~~9-10 credits~~ <u>12-13 credits</u>

- ~~1 from list of electives: LCD 120; LCD 130; LCD 205; LCD 206; LCD 209; LCD 392; PSYCH 221; PSYCH 359; SOC 211.~~ *~~Please check if pre-requisites are necessary in the above classes.~~*
- PSYCH 214
- Statistics: DATA 205 (previously SOC 205), or SOC 206 and SOC 207, or PSYCH 107.1 and 107.3, or MATH 114 or MATH 114W. (Note: MATH 114 is 3 credits).
- One course in biological science from the following list: BIO 11, 21, 22
- One course in physical science from the following list: <u>PHYS 3, 5, 7, 11 + 14; CHEMISTRY 16.3, 101.1+101.3.</u>

3. **Family, Nutrition and Exercise Sciences**

Change to a Major: BA in Family and Consumer Sciences Teacher Education K-12,
          Initial Certification Program (FNESED-BA)

To Read:
Requirements for the Major in Family and Consumer Sciences Teacher Education K-12: Students seeking to qualify for a New York State Initial teaching certificate can do so by completing a competency-based program that includes FNES 101, 104 or 105, 106, 121, 126, 140, 147, 151, 153, 156, 163 (or 263 and 264), 203 or 204, 248 or 345, 238, 336, 338, 339, SEYS 201W, 221, 340 (or EECE 340), 350, ECPSE 350, <u>MEDST 103</u>, and CHEM 16.3 and 16.1 or CHEM 101.3 and 101.1.

4. **Mathematics**

Changes to Requirements for a Major

Proposal 1: **Update requirements for Pure Mathematics Option of the Mathematics Major.**

TO READ:

Required: MATH 151 and 152 (or the equivalents), 201 and 202 (or 207), 231, 301 (or 601), and 310, and eight elective MATH courses at the 200-, 300-, 600-, or 700-level (not including MATH <u>205, 218, 255,</u> 271, 272, or 385). Two of the following courses may be taken to fulfill elective requirements: CSCI 111, CSCI 320, PHYS 207, PHYS 243. (Some of these elective courses require a prerequisite (CSCI 220 or PHYS 146.4) that does not count toward the math major, but would count toward a major or minor in that subject.)

It is recommended that all pure math majors take computational courses such as MATH 250 or CSCI 111. Students who aim for Honors in Mathematics or who intend to continue their studies toward an eventual Masters or PhD degree in Mathematics are encouraged to take the more advanced and theoretical 300-, 600-, and 700-level courses.

At least eighteen credits of these required and elective courses must be taken at Queens College.

Proposal 2: Update requirements for the Applied Math Option of the Mathematics Major.

TO READ:

THE APPLIED MATHEMATICS OPTION (CONCENTRATION CODE MATH-APPL)

Required: MATH 151 and 152 (or the equivalents), 201 and 202 (or 207), 231, 241, CSCI 111 (or MATH 250), six elective MATH courses at the 200-, 300-, 600-, or 700-level (not including MATH <u>205, 218,</u> 271, 272, or <u>385W</u>), and the courses from one of the following specialization tracks

- **Computer Science track:** Three computer science courses numbered CSCI 211 or higher that each carry 3 or more credits.
- **Economics track:** ECON 101, 102, 201 (or 226) and 202 (or 225).
- **Sciences track:** Any four courses that carry 3 or more credits from the following:
    - BIOL 105 and above
    - CHEM 113 and above
    - ENSCI 100 and ENSCI 112 and above
    - GEOL 101 and above
    - PHYS 145, 146, and PHYS 221 and above
  The set of courses followed must form a meaningful concentration approved by the department.
- **Psychology track:** PSYCH 101 and any three psychology courses numbered PSYCH 214 or higher.
- **Operations Research track:** Three additional MATH courses to make a total of nine elective courses; the nine courses must include MATH 247 (or 248), <u>623, and 633</u>.
- **Custom track:** A series of courses making up a meaningful program in an area in which mathematics has significant application. This series must be approved by the department.

At least eighteen credits of these required and elective courses must be taken at Queens College.

Proposal 3: Update requirements for the Secondary Education Option of the Mathematics Major.

TO READ:

THE SECONDARY EDUCATION OPTION (CONCENTRATION CODE MATH-SEC)

A co-major in SEYS is required; see SEYS.

Required: MATH 151 and 152 (or the equivalents), 201, 205 (or 505), 218 (or 518), 220, 231 (or 237), 241, 301 (or 601), and 385W, CSCI 111 (or 112), and one of CSCI 211, CSCI 212, PHYS 121, or PHYS 145. Three or four additional courses as follows: Three additional courses chosen from Lists X and Y below, of which at least two must be from List X, or four additional courses chosen from Lists X and Y below, of which at least one must be from List X. At least fifteen credits of these required and elective courses must be taken at Queens College.

List X: MATH 305 (or 605), 310, 317 (or 617), 318 (or 618), 336 (or 636), 609, and 626. MATH 310 is recommended for those who expect to teach calculus. Also especially recommended are MATH 305, 317, and 318 or their graduate equivalents.

List Y: MATH 202, 223, 232, 242, 245, 247, 248, 250, 255, 320 and all 500- and 600-level courses not already used to satisfy the above requirements. MATH 202 is usually required for entry into master's degree programs in mathematics.

Proposal 4: Update requirements for the Elementary Education Option of the Mathematics Major.

TO READ:

THE ELEMENTARY EDUCATION OPTION (CONCENTRATION CODE MATH-ELEM)

Required: MATH 119, 141–143 (or 151–152), 218 (or 318 or 518 or 618), 220 (or 209 or 509), 231, 241, and CSCI 12 or higher. Two additional MATH courses numbered 200 or above will be chosen with the advice and approval of the student's department advisor. At least twelve credits of these required and elective courses must be taken at Queens College. Each student must obtain a department advisor by the beginning of the junior year. A student pursuing this option is required to declare and complete a second major in EECE.

New Courses

Point of Information: The new undergraduate courses presented here are cross-listings of courses that exist in the Graduate Curriculum. Courses are being renumbered to ensure consistency among subject areas. We prioritized courses that are taken by many undergraduates (sometimes as degree requirements (!)) and those that occur in many undergraduate curricula throughout the country.

Proposal 5: Undergraduate version of MATH 505: Mathematical Problem Solving:

MATH 205. Mathematical Problem Solving. 3 hr.; 3 cr. Prereq. or coreq.: One year of college mathematics. This course presents techniques and develops skills for analyzing and solving

problems mathematically and for proving mathematical theorems. Students will learn to organize, extend, and apply the mathematics they know and, as necessary, will be exposed to new ideas in areas such as geometry, number theory, algebra, combinatorics, and graph theory. Not open to students who are taking or who have received credit for MATH 505.

Proposal 6: **Undergraduate version of MATH 518: College Geometry: (Course name to be updated to match)**

MATH 218. Euclidean Geometry. 3 hr.; 3 cr. Prereq.: One course in linear algebra. A course in advanced Euclidean geometry for current and prospective mathematics teachers that will provide mathematical background for teaching geometry in secondary schools. The course will focus on definitions, theorems, existence proofs, and constructions. Not open to students who are taking or who have received credit for MATH 518.

Proposal 7: **Undergraduate version of MATH 555: Mathematics of Games and Puzzles: (Course name to be updated to match)**

Math 255. Introduction to Game Theory. 3 hr.; 3 cr. Prereq: One of the following: MATH 120, 142, 152, 209, 220, or 509. Elements of mathematics of game theory. Foundational material, combinatorial games, zero and non-zero sum games. Two-player matrix games, pure and mixed strategies, pay-offs, equilibrium pairs. This is a proof-based course with an emphasis on examples and applications, especially in economics. Not open to students who are taking or who have received credit for MATH 555.

Proposal 8: Undergraduate version of the current MATH 618: Foundations of Geometry.

MATH 318. Foundations of Geometry. 3 hr.; 3 cr. Prereq.: MATH 201 and two proof-based courses in mathematics such as MATH 209, 220, 301, 302, 310, or 320. The course is an exploration of Euclid's fifth postulate, often referred to as the parallel postulate. Development of the basics of Euclidean geometry with a focus on understanding the role of the fifth postulate. Development and exploration of hyperbolic geometry, a non-Euclidean geometry. Not open to students who are taking or have received credit for MATH 618.

Proposal 9: Undergraduate version of the current MATH 628: Complex Variables. (Course name and number to be updated to match)

MATH 316. Complex Analysis. 3 hr.; 3 cr. Prereq.: MATH 202 or the equivalent. Topics covered include analytic functions, Cauchy's Integral Theorem, Taylor's theorem and Laurent series, the calculus of residues, singularities, meromorphic functions. Not open to students who are taking or have received credit for MATH 616.

Proposal 10: Undergraduate version of the current MATH 634: Theory of Graphs. (Course name to be updated to match)

MATH 334. Graph Theory. 3 hr.; 3 cr. Prereq.: MATH 231. An introduction to the theory of directed and undirected graphs. Families of graphs, graph statistics, graph isomorphism,

coloring, cycles, connectivity, planarity, graph algorithms. Not open to students who are taking or have received credit for MATH 634.

Proposal 11: Undergraduate version of the current MATH 636: Combinatorial Theory. (Course name to be updated to match)

MATH 336. Combinatorics. 3 hr.; 3 cr. Prereq.: Linear Algebra. Techniques in enumeration. Permutations, combinations, distributions, equivalence classes, principle of inclusion/exclusion, bijective proof, combinatorial proof, generating functions, partitions, Catalan numbers. Not open to students who are taking or have received credit for MATH 636.

Changes to Existing Courses

Proposal 12: Update the bulletin entry for Point-Set Topology.

TO READ:

MATH 320. Point-Set Topology. 3 hr.; 3 cr. coreq.: MATH 201. The basic concepts and fundamental results of point-set topology. The course includes a review of sets and functions, as well as the study of topological spaces including metric spaces, continuous functions, connectedness, compactness, and elementary constructions of topological spaces. Not open to students who are taking or who have received credit for MATH 620.

Proposal 13: Updating MATH 340 language to address new graduate cross-listed course.

TO READ:

MATH 340. Probability Theory for Data Science.
4 hr.; 4 cr. Prereq.: MATH 241. Coreq.: MATH 201 and 231.
Topics include introducing common random variable models, the central limit theorem, law of large numbers, random variable convergence. Topics may also include order statistics, probability inequalities, Slutsky's Theorem, Markov chains and stochastic gradient descent. Probability computation using modern software. Not open to students who are taking or who have received credit for MATH 640.

Proposal 14: Updating MATH 341 language to address new graduate cross-listed course.

TO READ:

MATH 341. Statistical Theory for Data Science. 4 hr.; 4 cr. Coreq.: MATH 340. Point estimation, confidence sets and hypothesis testing from both the Frequentist and Bayesian perspectives. Topics may also include power calculations, multiple comparisons, model selection and randomized experimentation. Not open to students who are taking or who have received credit for MATH 641.

Proposal 15: Updating MATH 342W language to address new graduate cross-listed course.

TO READ:

MATH 342W. Data Science Fundamentals and Machine Learning. 6 hr. lec./lab; 4 cr. Prereq.: <u>ENGL 110;</u> MATH 231, MATH 241, CSCI 111 (or equivalent). Philosophy of modeling with data. Prediction via linear models and machine learning including support vector machines and random forests. Probability estimation and asymmetric costs. Underfitting vs. overfitting and model validation. Formal instruction of data manipulation, visualization and statistical computing in a modern language. <u>Not open to students who are taking or who have received credit for MATH 642.</u> Writing Intensive (W). Recommended corequisites include ECON 382, 387, MATH 341, MATH 343 or their equivalents.

Proposal 16: Updating MATH 343 language to address new graduate cross-listed course.

TO READ:

MATH 343. Computational Statistics for Data Science.
3 hr.; 3 cr. Prereq.: MATH 341. Coreq.: MATH 342W.
Topics may include the Score and generalized likelihood ratio tests, chi-squared tests, Kolmogorov-Smirnov test, basic linear model theory, ridge and lasso, Metropolis-within-Gibbs sampling, permutation tests, the bootstrap and survival modeling. Special topics. <u>Not open to students who are taking or who have received credit for MATH 643.</u>

6. Psychology

a. New course.

Psych 257. The Psychology of Sport and Exercise.
3 hr., 3 cr. Prerequisites: Psych 101.
The science and professional practice of sport and exercise psychology. Areas such as personality, motivation, leadership, performance enhancement, aggression, stress and anxiety, and reinforcement will be highlighted. The course will cover competition and cooperation; team dynamics and cohesion; diversity and inclusion; exercise adherence; and children in sport and exercise. In addition, the course will investigate the benefits of sport and exercise participation on psychological wellbeing.

b. New course.

Psych 259. LGBTIQ Psychology
3 hr., 3 cr. Prerequisites: Psych 101.
Introduction to some of the major issues surrounding sexuality and gender diversity, and how these issues shape the experiences and well-being of individuals who identify as Lesbian, Gay, Bisexual, Transgender, Intersex and Queer. Topics covered include: History in psychology; gender identity and development; stigma and discrimination; close relationships; family and parenting; aging and chronic illness; intersectionality; recognition, resilience and protective factors.

7. **Hispanic Languages and Literatures**

To:
REQUIREMENTS FOR THE MAJOR IN SPANISH (MAJOR CODE SPAN-BA)
The major consists of 36 credits.

Required (27 credits)
SPAN 221 (for native speakers) or SPAN 222 (for non-native speakers); SPAN 224, 225, 240 (these courses are prerequisites for all higher-numbered courses); SPAN 250, 260, 280, and 290 (one or more of these courses is prerequisite for all higher-numbered literature courses); and SPAN 310 or 312.

Electives
9 additional credits chosen from the following courses, including at least one capstone/writing-intensive seminar (SPAN 390 [literature] or 391 [language]); SPAN 291, 337, 338, 340, 341, 350–353, 356–359, 370, 371–374, 377–379, 390, and 391. Students must obtain a minimum grade of C+ in all courses taken in fulfillment of the major in Spanish.

8. **European Languages and Literatures**

a. Change to the German Minor

To read:
15 credits beyond GERM 111 or its equivalent. Nine credits must be taken from among the language courses (GERM 112 - GERM 236). The remaining 6 credits may be chosen from courses in the German Program in consultation with the advisor. Students should consult with the undergraduate advisor for German as early as possible in order to plan their programs.
b.
To read:

EURO 250, 250W. European Film and Media. 3 hr.; 3 cr. Prereq.: ENGL 110. The historical, cultural, aesthetic, political, and technical aspects of European film and media as studied through tendencies, topics, or individual directors. May be repeated once for credit provided the topic is different.

9. **Reinstatement of withdrawn courses:**

MUSIC 247W
ANTH 233
ANTH 304

10. **Art**

To Read:
ART HISTORY

No more than 6 credits in introductory courses (ARTH 1, 101, 102) in Art History may be applied to the <u>Art History BA</u> degree. Special conditions are noted, such as charges,* semesters,† or possible scheduling.††

11. Curriculum Council Resolution

Proposal to the Academic Senate for the extension of the QNS 101 pilot program

Contact: Drew Jones, Special Assistant to the Provost for Curriculum
             David.jones@qc.cuny.edu

Background:

At a meeting of the Curriculum Council of Queens College on Feb 16, 2022, made up of representatives of all academic departments and programs, the decision was made to propose to the Academic Senate a renewal of the Queens 101 pilot program for the next two years. This will allow us to assess the program and evaluate what would be necessary to scale it up so that we could offer it for all students.

QNS 101 is an approved 3 hour/3 credit course which is designed to be taken as part of the Pathways College Option. The course consists of three elements: a discipline-specific curriculum whose topic will vary, but which is related to the particular research interests of the faculty member teaching the course; a "going to college" curriculum which introduces basic campus knowledge; and a community curriculum which introduces larger questions such as what it means to be a citizen of the diverse society of Queens College and the borough of Queens, how students can engage with these communities and the larger world, and how institutions such as social media impact the community. This course would help students orient themselves academically *and* practically on a course to a successful Queens College degree, and help them see the impact their education will have on them as citizens of the diverse society in which they live.

In order to open the course to all students, it must fulfill a degree requirement. While it is possible to allow students to choose QNS 101 as the fourth, variable course in the college option, this would not make it available to all students, as only 60% of students are required to take all four courses in the College Option. To be able to reach 100% of the students, QNS 101 would have to substitute for a course required of all students. For the purposes of this pilot, QNS 101 will substitute for either the LIT requirement (required of all students), or the fourth College Option course. Queens 101 is not meant to permanently replace the Literature requirement--the eventual permanent place of Queens 101 in the College Option will have to be evaluated as the pilot program progresses.

Proposal:

Queens 101 will be offered each semester during the 2022-23 and 2023-24 academic years. 10 sections will be offered initially, with an enrollment cap of 25 students per course, and with the possibility of expanding the number of sections due to increasing demand. Students would be allowed to take the course as the fourth course (after Literature, Language and Science) of the College Option, unless they were exempt from the fourth course, in which case they could take QNS 101 in lieu of their Literature requirement.

12. Mathematics (from December, 2021)

Proposal 6: Restricting repetition in service courses for STEM majors

The following language will be added in the Special Requirements Section _between_ the existing first and second paragraphs:
Students who are majoring in mathematics may not enroll in MATH 115, 122, 131, 132, 141, 142, 143, 151, 152, 201, or 231 if they have withdrawn from or received a failing grade (F, FIN, W, WD, WN, WU) in that same course three times. Students may not declare a major in mathematics if they have received a failing grade three times in any one of MATH 115, 122, 131, 132, 141, 142, 143, 151, 152, 201, or 231.

The following language will be added to MATH 115, 122, 131, 132, 141, 142, 143, 151, 152, 201, 231. See Appendix A for the updated bulletin entries for these courses.
Students who fail or withdraw from this course multiple times may be prohibited from majoring in the sciences or mathematics; see the bulletin language for your major.

Justification: A number of students repeat the same course over and over and repeatedly fail or withdraw. It is a waste of instructor energy and teaching resources to repeatedly enroll such students in the same course. Furthermore, restricting repetition may encourage students to select classes or majors that are more suited to their skill sets.

Point of Information: This policy change has been discussed amongst the Mathematics, Earth and Environmental Sciences, Chemistry, Biology, Physics, and Computer Science departments and all are in agreement that this is warranted. We introduced language that allows each department to set its own policy about the number of times courses may be repeated.

<div align="center">Appendix A. Bulletin Changes due to Proposal 6.</div>

These are the changes that are applicable due to the changes in Proposal 6. Note that (MQR) was missing from the bulletin entry for MATH 115 even though it is an MQR class.

TO READ:
MATH 115. College Algebra for Precalculus. 3 hr.; 3 cr. Prereq.: Knowledge of elementary algebra. Topics include linear, polynomial, rational, and radical expressions as mathematical models; solving equations and systems of equations that arise through the application of these models. Not open to students who are taking or have received credit, including transfer credit or advanced placement credit, for any precalculus or calculus course. Students who fail or withdraw from this course multiple times may be prohibited from majoring in the sciences or mathematics; see the bulletin language for your major. (MQR)

TO READ:
MATH 122. Precalculus. 4 hr.; 4 cr. Prereq.: Three years of high school math or MATH 115. This course offers a thorough introduction to the topics required for calculus. Topics include real and complex numbers, algebra of functions, the fundamental theorem of algebra, trigonometry, logarithms, and exponential functions, conic sections, and the use of graphing calculators. Students unsure of their preparation for calculus are advised to take the Queens College mathematics placement test. Not open to students who have received credit, including transfer credit or advanced placement credit, for any calculus course. Students who fail or withdraw from this course multiple times may be prohibited from majoring in the sciences or mathematics; see the bulletin language for your major. (MQR)

TO READ:
MATH 131. Calculus with Applications to the Social Sciences I. 3 hr.; 3 cr. Prereq.: MATH 122, or a grade of A- or above in MATH 115, or permission of the department. Introduction of the fundamental ideas and techniques of calculus to nonscience students. Special emphasis is given to applications. Topics include functions and graphs; derivatives and differentiation techniques; the marginal concept in economics; optimization methods; compound interest;

exponential and logarithmic functions. Not open to students who are taking any other calculus course or have received credit, including transfer credit or advanced placement credit, for any calculus course. <u>Students who fail or withdraw from this course multiple times may be prohibited from majoring in the sciences or mathematics; see the bulletin language for your major.</u> Fall, Spring (MQR)

TO READ:

MATH 132. Calculus with Applications to the Social Sciences II. 3 hr.; 3 cr. Prereq.: MATH 131. A continuation of MATH 131. Topics include limits and continuity; mean value theorem; antiderivatives; integrals and integration techniques; applications of the definite integral; the calculus of logarithmic, exponential, and trigonometric functions. This course prepares students who have taken MATH 131 to continue into MATH 143. <u>Students who fail or withdraw from this course multiple times may be prohibited from majoring in the sciences or mathematics; see the bulletin language for your major.</u>

TO READ:

MATH 141. Calculus/Differentiation. 3 hr.; 3 cr. Prereq.: MATH 122, or placement by departmental exam, or permission of the department. The first part of a three-semester sequence (MATH 141, 142, 143) covering the same material as MATH 151 and 152. Credit is given for each course satisfactorily completed; a student need not take the entire sequence. Not open to students who are taking any other calculus course or have received credit, including transfer credit or advanced placement credit, for any calculus course. <u>Students who fail or withdraw from this course multiple times may be prohibited from majoring in the sciences or mathematics; see the bulletin language for your major.</u> Fall, Spring (MQR)

TO READ:

MATH 142. Calculus/Integration. 3 hr.; 3 cr. Prereq.: MATH 141. A continuation of MATH 141. Not open to students who are taking any other calculus course or have received credit, including transfer credit or advanced placement credit, for any calculus course other than MATH 141 or MATH 151. <u>Students who fail or withdraw from this course multiple times may be prohibited from majoring in the sciences or mathematics; see the bulletin language for your major.</u> Fall, Spring (MQR)

TO READ:

MATH 143. Calculus/Infinite Series. 3 hr.; 3 cr. Prereq.: MATH 132 or 142. MATH 151 does not satisfy the prerequisite. A continuation of MATH 142. Not open to students who are taking any other calculus course or have received credit, including transfer credit or advanced placement credit, for any calculus course other than MATH 131, MATH 132, MATH 141, MATH 142 or MATH 151. <u>Students who fail or withdraw from this course multiple times may be prohibited from majoring in the sciences or mathematics; see the bulletin language for your major.</u> Fall, Spring (MQR)

TO READ:

MATH 151. Calculus/Differentiation and Integration. 4 hr.; 4 cr. Prereq.: Grade of B- or above in MATH 122 or permission of the department. The first part of a two-semester sequence (MATH 151 and 152) intended for students who want to study mathematics, physics, chemistry, or engineering. Credit is given for each course satisfactorily completed; a student need not take the entire sequence. Students who want a less rapid introduction to calculus should take MATH 141. Topics include sets, inequalities, straight lines, circles, functions, limits, continuity, the derivative, formulas of differentiation, implicit differentiation, velocity, acceleration, maxima and minima, Rolle's theorem, the mean value theorem, points of inflection, curve sketching, and

antiderivatives. Not open to students who are taking any other calculus course or have received credit, including transfer credit or advanced placement credit, for any calculus course. Not open to students who have received either a D or F in MATH 141. <u>Students who fail or withdraw from this course multiple times may be prohibited from majoring in the sciences or mathematics; see the bulletin language for your major.</u> Fall, Spring (MQR)

TO READ:
MATH 152. Calculus/Integration and Infinite Series. 4 hr.; 4 cr. Prereq.: MATH 151. Deals with several aspects of differential and integral calculus. Among the topics studied are the definite integral, applications of the definite integral, the differentiation of logarithmic, exponential, and inverse trigonometric functions, integration, indeterminate forms, improper integrals, infinite series, and expansions of functions. Applications to problems of geometry and physics. Not open to students who are taking any other calculus course or have received credit, including transfer credit or advanced placement credit, for any calculus course other than MATH 151. <u>Students who fail or withdraw from this course multiple times may be prohibited from majoring in the sciences or mathematics; see the bulletin language for your major.</u> Fall, Spring (MQR)

TO READ:
MATH 201. Multivariable Calculus. 4 hr.; 4 cr. Prereq.: MATH 143 or 152. A continuation of the work of MATH 143 or 152. The topics include polar coordinates, vectors, solid analytic geometry, vector valued functions, double and triple integrals, functions of several variables, partial derivatives. Wherever possible, applications are made to problems of geometry and physics. <u>Students who fail or withdraw from this course multiple times may be prohibited from majoring in the sciences or mathematics; see the bulletin language for your major.</u> Fall, Spring (MQR)

TO READ:
MATH 231. Linear Algebra I. 4 hr.; 4 cr. Prereq.: One semester of calculus. An introduction to linear algebra with emphasis on techniques and applications. Topics to be covered include solutions of systems of linear equations, vector spaces, bases and dimension, linear transformations, matrix algebra, determinants, eigenvalues, and inner products. Not open to students who are enrolled in or who have completed MATH 237. <u>Students who fail or withdraw from this course multiple times may be prohibited from majoring in the sciences or mathematics; see the bulletin language for your major.</u> Fall, Spring (MQR)

b. Graduate Curriculum Committee

 i. MOTION: Duly made by Ping Li, Chair of the Graduate Curriculum Committee:

 "To accept the GCC minutes of March 9, 2022 as distributed"

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

GCC Minutes Dated March 9, 2022

A. ITEMS FOR UNIVERSITY REPORT

1. **MATH**

    a. **Minor Change: Change in course title and change in course description**

3) Please list the course as you wish it to read in the Graduate Bulletin, with number, hours, credits, *etc.* Eliminate whatever was crossed out above and underline new material you are substituting or adding.

TO:

MATH 634. Graph Theory. 3 hr.; 3 cr. Prereq.: One course in Linear Algebra. An introduction to the theory of directed and undirected graphs. Families of graphs, graph statistics, graph isomorphism, coloring, cycles, connectivity, planarity, graph algorithms. Not open to students who are taking or have received credit for MATH 334.

2. MATH

    b. **Minor Change: Change in course title and change in course description**

TO:

MATH 636. Combinatorics. 3 hr.; 3 cr. Prereq.: One course in Linear Algebra. Techniques in enumeration. Permutations, combinations, distributions, equivalence classes, principle of inclusion/exclusion, bijective proof, combinatorial proof, generating functions, partitions, Catalan numbers. Not open to students who are taking or have received credit for MATH 336.

3. MATH

    c. **Minor Change: Add course to Reserve List**

FROM:

~~**MATH 704. Functional Analysis.** 3 hr.; 4 1/2 cr. Prereq.: A course in linear algebra and MATH 614. Abstract linear spaces, normed linear spaces, continuous linear transformations, dual spaces. Hahn-Banach theorem, closed graph theorem, uniform boundedness principle, Hilbert spaces, the weak-star topology, Alaoglu's theorem, topological linear spaces.~~

4. MATH

      d.   **Minor Change: Add course to Reserve List**

FROM:

~~**MATH 705. Theory of Functions of a Complex Variable.** 3 hr.; 4½ cr. Prereq.: MATH 701.~~

5. MATH

      e.   **Minor Change: Course Withdrawal**

FROM:

~~**MATH 706. Advanced Ordinary Differential Equations.** 3 hr.; 4½ cr. Prereq.: MATH 616.~~

6. MATH

      f.   **Minor Change: Course Withdrawal**
FROM:

~~**MATH 707. Partial Differential Equations. 3 hr.; 4½ cr. Prereq.: MATH 706.**~~

7. MATH

      g.   **Minor Change: Course Withdrawal**

FROM:

~~**MATH 708. Combinatorial Topology. 3 hr.; 4½ cr. Prereq.: MATH 703.**~~

8. MATH

      h.   **Minor Change: Course Withdrawal**

FROM:

~~**MATH 709. Set Theory.** 3 hr.; 4½ cr.~~

9. MATH

      i.   **Minor Change: Course Withdrawal**

FROM:

~~**MATH 710. Mathematics and Logic: Advanced Course. 3 hr.; 4½ cr. Prereq.: MATH 626.**~~

10. MATH

j.   Minor Change: Course Withdrawal

FROM:

~~**MATH 711. The Mathematical Structure of Modern Statistics.** 3 hr.; 4 1⁄2 cr. Prereq.: A course in either probability or statistics.~~

11. MATH

k.   Minor Change: Course Withdrawal

FROM:

~~**MATH 712. Higher Geometry.** 3 hr.; 4 1⁄2 cr..~~

12. MATH

l.   Minor Change: Course Withdrawal

FROM:

~~**MATH 713. Modern Abstract Algebra II. 3 hr.; 4 1⁄2 cr. Prereq.: MATH 702.**~~

13. MATH

m.   Minor Change: Course Withdrawal

FROM:

~~**MATH 717. Theory of Approximation I.** 3 hr.; 4 1⁄2 cr. Prereq.: MATH 614 or permission of the department..~~

14. MATH

n. Minor Change: Course Withdrawal

FROM:

~~**MATH 718. Theory of Approximation II.** 3 hr.; 4 1⁄2 cr. Prereq.: MATH 717~~

15. ECP

o.   Minor Change: Change in course title and change in course description

3) Please list the course as you wish it to read in the Graduate Bulletin, with number, hours, credits, *etc.* Eliminate whatever was crossed out above and underline new material you are substituting or adding.

TO:

EECE 750. <u>**Learning and Technology in Early Childhood and Childhood.**</u> 3 hr.; 3 cr. <u>This course explores how current technologies can be applied in early childhood and elementary classrooms to support learning in ways that are developmentally appropriate. Students consider the role of technology in the development and learning of children and explore the skills and knowledge children need to succeed in a digital world. Topics focus on the ways technology can be used as a tool to support learning and expand possibilities for instruction in the classroom. Students develop knowledge about current technologies through hands-on practice and reflection about the role of technology in the classroom.</u>

16. MUSIC

p.   Program Change: Change in requirements for admission and change in requirements for degree/certificate

HEGIS: 1099.00

4) Please state the requirements as you wish them to read in the future. Eliminate whatever was crossed out above, and underline new material you are substituting or adding:

TO:

This program consists of <u>18 credits</u>. Completion of the prescribed course of study will yield a Certificate of Advanced Study.

The MAP program establishes a consistent and flexible path in several aspects of music technology and content creation for graduate students at Queens College. Topics will include, but are not limited to, digital recording, MIDI sequencing, composition, and film scoring.

Admission Requirements
Admission into the program requires an initial interview. During this interview, faculty will assess the applicant's current level of technical skill and experience. Qualified applicants will enroll in Digital Recording 1 or Audio and MIDI 1 to begin the program. <u>Less</u> qualified applicants <u>may</u> be required to complete the Recording Studio Fundamentals course in order to qualify for full admission.

Curriculum

Required Courses (<u>**12–15 credits**</u>)
<u>*Note*: All students enrolled in 700-level courses that are cross-listed with 300-level courses will be expected to do higher-level work than undergraduates in the same class.</u>

	Credits
MUSIC 714 Recording Studio Fundamentals as required by faculty based on interview	3*
MUSIC 740 & 741 Digital Recording and Composition 1 & 2 6	
MUSIC 735 & 736 Audio and MIDI Sequencing 1 & 2	6
	If required.

Elective Courses (3–6 credits): Choose from

MUSIC 7261 Electronic Music Studio I	3
MUSIC 7262 Electronic Music Studio II	3
MUSIC 727 Electronic Music Mixing	3
MUSIC 739 Film Scoring I	3
MUSIC 743 Film Scoring II	3
MUSIC 744 Music for Media	3
MUSIC 720 Advanced Orchestration	3
MUSIC 721 Music Business	3
PHYS 507 The Physics Of Music and Sound	3

17. MUSIC

q.   Minor Change: Change in course number

3) Please list the course as you wish it to read in the Graduate Bulletin, with number, hours, credits, *etc.* Eliminate whatever was crossed out above and underline new material you are substituting or adding.

TO:

MUSIC 714. Recording Studio Fundamentals. 3 hr.; 3 cr. An introductory survey of modern music production and recording techniques. Students will learn basic techniques for creating digital audio content, including simple MIDI and virtual instrument techniques, stereo recording techniques, digital audio editing, and session file techniques. Students will complete a series of individual and group projects to understand the various aspects of the production process.

18. MUSIC

r.   Minor Change: Change in course prerequisite or corequisite and change in course description

TO:

MUSIC 7261. Electronic Music Studio I. 3 hr.;3 cr. Prereq: MUSIC 714 or permission of instructor. Introduction to laptop-based (Mac or PC) electronic music studio synthesis through lectures and assignments. Emphasizes the virtual operation of cross-platform, software-based analog, digital, sampling, and recording techniques. To be offered in person, hybrid, or online.

19. MUSIC

s.   Minor Change: Change in course prerequisite or corequisite and Change in course description

3) Please list the course as you wish it to read in the Graduate Bulletin, with number, hours, credits, *etc.* Eliminate whatever was crossed out above and underline new material you are substituting or adding.

TO:

MUSIC 7262. Electronic Music Studio II. 3 hr.; 3 cr. Prereq.: MUSIC 7261 <u>or</u> permission of the instructor. A continuation of Electronic Music Studio I, <u>with an emphasis on modular synthesis using cross-platform software such as VCV Rack and programming with interactive software such as MAX. To be offered in-person, hybrid, or online.</u>

20. MUSIC

t.   Minor Change: Change in course title, course hours, course prerequisite or corequisite and change in course description

3) Please list the course as you wish it to read in the Graduate Bulletin, with number, hours, credits, *etc.* Eliminate whatever was crossed out above and underline new material you are substituting or adding.

TO:

MUSIC 727. Electronic Music <u>Mixing</u>. 3 hr.; 3 cr. <u>Prereq.: MUSIC 714 or permission of instructor. This class explores advanced mixing techniques that are essential to electronic music composition: balance, EQ, dynamics, time-based and spatial effects, automation, pitch and time correction, mixing for digital streaming services, and more.</u>

21. MUSIC

u.   Minor Change: Change in course title and change in course description

3) Please list the course as you wish it to read in the Graduate Bulletin, with number, hours, credits, *etc.* Eliminate whatever was crossed out above and underline new material you are substituting or adding.

TO:

MUSIC 739. Film Scoring <u>I</u>. 3 hr.; 3 cr. Prereq. or coreq.: <u>MUSIC 720</u>, equivalent study, prior experience, or permission of the instructor. This course is a practical study in the <u>fundamentals of music composition to accompany moving images in film and television. It includes the analysis of existing film music and the creation of original music based on given subjects. Issues covered include timing music to picture, interacting with production staff, and developing skills for working under deadlines. To be offered online or hybrid.</u>

22. MUSIC

v.   Minor Change: Course withdrawal

2) Please list the course as previously passed by the Academic Senate. (Include the course number, title, hours, credits, prerequisites, corequisites and description.) Cross-out the material that you wish changed or eliminated.

FROM:

~~**MUSIC 715. Audio/MIDI Sequencing I**. 3 hr.; 3 cr. Through weekly assignments, students learn the ProTools MIDI work environment. Students will learn to input and edit notes as well as continuous controller automation to create expressive music. Students will master file import, quantizing, and time stretching of audio files. They will then learn to integrate those tracks with virtual instruments as an introduction recording live audio. This class will emphasize content creation.~~

3) Please list the course as you wish it to read in the Graduate Bulletin, with number, hours, credits, *etc.* Eliminate whatever was crossed out above and underline new material you are substituting or adding.

N/A (course is to be withdrawn)

23. MUSIC

w. Minor Change: Course withdrawal

2) Please list the course as previously passed by the Academic Senate. (Include the course number, title, hours, credits, prerequisites, corequisites and description.) Cross-out the material that you wish changed or eliminated.

FROM:

~~**MUSIC 716. Audio/MIDI Sequencing II. 3 hr.; 3 cr. This course picks up where Audio MIDI Sequencing I left off. Each week, students learn different sequencing techniques to improve their musical compositions. Topics include recording simple audio for creating sampled instruments; rendering virtual instrument tracks to audio; equalization and audio compression; time-based effects; and audio routing within ProTools. By recording together on collaborative projects, students learn the basics of recording live audio, including gain structure, room acoustics, microphone placements, types, and polar patterns.~~**

3) Please list the course as you wish it to read in the Graduate Bulletin, with number, hours, credits, *etc.* Eliminate whatever was crossed out above and underline new material you are substituting or adding.

N/A (course is to be withdrawn)

24. MUSIC

x. Request: New Course

Please state the course as follows:

Course number and title: **MUSIC 717, Songwriting**

      hours and credits: 3 hr.; 3 cr.

      prerequisites or corequisites: MUSIC 714 or permission of instructor

Description (as it should read in the Graduate Bulletin):

Students learn basic techniques of songwriting. The course covers concepts of form, rhyme, rhythm, scansion, prosody, tone, metaphor, simile, conceit, and song types. Students complete a series of projects to understand the various aspects of the songwriting process.

25. MUSIC

y.   Request: New Course

Please state the course as follows:

Course number and title: **MUSIC 743, Film Scoring II**

hours and credits: 3 hr.; 3 cr.

prerequisites or corequisites: MUSIC 739 or permission of instructor

Description (as it should read in the Graduate Bulletin):

Advanced study of scoring to picture. Students will compose music to several short films. Students will prepare, organize, and run recording sessions to realize their works. To be offered in hybrid mode.

26. MUSIC

z.   Request: New Course

Please state the course as follows:
Course number and title: **MUSIC 744, Music for Media**

hours and credits: 3 hr.; 3 cr.

prerequisites or corequisites: MUSIC 739 or permission of instructor

Description (as it should read in the Graduate Bulletin):

This course is both a survey and study of music used in broadcast media. Topics include creating production music, musical branding, theme songs, advertising music, promo music, interstitial music used during television shows, and modular music as used in games. There will also be a business component to the class, with discussion of getting music on air and creating revenue streams.

27. RISK MANAGEMENT

Minor Change: Change in course credits

3) Please list the course as you wish it to read in the Graduate Bulletin, with number, hours, credits, *etc.* Eliminate whatever was crossed out above and underline new material you are substituting or adding.

TO:

RM 792. Special Topics in Risk Management. Prerequisites or corequisites will vary with the particular topic, or with permission of the program director. This course will be a seminar in risk management covering a special topic as it relates to RM, such as governance, behavioral finance, or corporate strategy.

RM 792.1. Special Topics in Risk Management. 1 hr.; 1 cr.

 RM 792.2. Special Topics in Risk Management. 2 hr.; 2 cr.

RM 792.3. Special Topics in Risk Management. 3 hr.; 3 cr.

RM 792.4. Special Topics in Risk Management. 4 hr.; 4 cr.

28. FNES

Program Change: Change in program requirements

HEGIS: 1301.01   NYS Ed Code: 26422

Master of Science in Education in Family and Consumer Sciences Teacher Education, K-12

TO:

4) Please state the requirements as you wish them to read in the future. Eliminate crossed out information above, and underline new material you are substituting or adding:

Requirements for Matriculation 1. An average of B (GPA of 3.0) or better in the undergraduate major. 2. Initial certificate in Family and Consumer Sciences. 3. Two letters of professional recommendation. 4. A personal statement or essay. 5. An interview may be required. (Page 165 in Graduate Bulletin 2020-21)

Requirements for Graduation 1. Students must complete a minimum of 30 credits with an academic average of B (GPA of 3.0) or better. 2. The following courses are required: FNES 636, 643, 731, 732, 747, 748, and 753; and three elective courses (9 credits) from the following list: FNES 707, 727, 728, 741, 742, 745, 749, 751, 755, 760, 781VT, or 782VT. (Page 165 in Graduate Bulletin 2020-21)

29. FNES

Program Change: Change in program requirements

HEGIS: 1301.01   NYS Ed Code: 26442

Post Baccalaureate Advanced Certificate Program in Family and Consumer Sciences Teacher Education, K-12

TO:

4) Please state the requirements as you wish them to read in the future. Eliminate crossed out information above, and underline new material you are substituting or adding:

Requirements for Admission 1. A bachelor's degree with a general education core in the liberal arts and sciences and an average of B (GPA of 3.0) or better in the undergraduate major. **2**. A personal statement or essay. **3**. Two letters of professional recommendation. **4**. An interview may be required. **5**. Applicants who majored in Family and Consumer Sciences but do not hold an Initial Certificate, or applicants who come from disciplines other than Family and Consumer Sciences, will be required to satisfy 30 credits in courses that constitute at a minimum the following: FNES 101, 126, 140 or 745, 147, 151 or 751, 156, 163, or their equivalents. (Page 164 in Graduate Bulletin 2020-21)

30. SEYS

Program Change: Change in requirements for degree

HEGIS: 0829.00

TO:

4) Please state the requirements as you wish them to read in the future. Eliminate whatever was crossed out above, and underline new material you are substituting or adding:

ADVANCED CERTIFICATE IN ETHICAL AND EQUITABLE PRACTICE The SEYS Post-Master's Program in Ethical and Equitable Practice is designed to offer integrated, theoretically grounded views of teaching and learning that address the needs of students and teachers in diverse communities. Program faculty promote rigorous scholarship and research, contextualized learning, and service in school and community settings. They encourage critical reflection on the roles of teachers in society and about their responsibilities as educators. Five cutting-edge, fully online courses are aimed at expanding teachers' knowledge of teaching literacy in their content areas, teaching diverse learners successfully, engaging more effectively in data-driven assessment and instruction, and employing current and innovative pedagogies in their classrooms. Requirements for Matriculation Admission is limited, competitive, and open to individuals who hold initial or professional New York State Teaching Certification and a master's degree in any secondary or elementary content area, including literacy, English, social studies, mathematics, science, music, art, physical education, TESOL, world languages, special education, and elementary education. Applicants must complete the online graduate application

and admissions essay. The applicant's entire record is considered, including undergraduate and graduate grade point average (GPA), teaching and other experiences with children and adolescents, and demonstration of leadership and scholarship. An overall GPA of 3.0 is required. The Graduate Record Examination (GRE) and letters of recommendation are not required for admission.

Course Requirements credits **a**. SEYSL 702, Literacy in the Content Areas 3 **b. SEYS <u>739, Culturally Relevant Pedagogy</u> 3 c.** SEYS 719, Understanding Group Behavior and Cultural Differences in Schools 3 **d**. SEYS 764, The Secondary School Curriculum: Current Theories and Controversies 3 **e**. SEYS 768, Measurement and Evaluation in Education 3 Total 15

31. SEYS

Request: New Course

Please state the course as follows:
Course number and title: **SEYS 739.Culturally Relevant Pedagogy**

hours and credits: 3 hr.; 3 cr.

prerequisites or corequisites: none

Description (as it should read in the Graduate Bulletin):

Culturally responsive, relevant, appropriate, responsible, inclusive, congruent, compatible and sensitive are all terms used to describe teaching that strives to meet the needs of diverse students. Culturally responsive teachers consciously attempt to bridge divides between students' experiences in their homes and communities and those in their classrooms and schools. This course will focus on culturally relevant pedagogy from multiple perspectives and is aimed at teachers of all content areas. After taking this course, teachers will have a deeper knowledge of the issues surrounding culturally relevant pedagogy and will know how to best incorporate this knowledge into their teaching in a multitude of ways.

32. MATH

Minor Change: Change in course number, course title, and course description

3) Please list the course as you wish it to read in the Graduate Bulletin, with number, hours, credits, *etc.* Eliminate whatever was crossed out above and underline new material you are substituting or adding.

TO:

<u>**MATH 605. Number Theory.**</u> 3 hr.; 3 cr. Prereq.: MATH 231 or 237. <u>Not open to students who are taking or have received credit for MATH 305.</u> Prime numbers, the unique factorization property of integers, linear and non-linear Diophantine equations, congruences, modular arithmetic, quadratic reciprocity, contemporary applications in computing and cryptography.

33. MATH

Request: New Course

Please state the course as follows:
Course number and title: **MATH 601. Abstract Algebra I.**

hours and credits: 4 hr.; 4 cr.

prerequisites or corequisites: A course in Linear Algebra

Description (as it should read in the Graduate Bulletin):

Not open to students who are taking or who have received credit for MATH 301 or 702. Theory of groups, including cyclic and permutation groups, homomorphisms, normal subgroups and quotient groups. Theory of rings, including integral domains and polynomial rings. Additional topics may be discussed.

34. MATH

Request: New Course

Please state the course as follows:

Course number and title: **MATH 602. Abstract Algebra II.**

hours and credits: 3 hr., 3 cr.

prerequisites or corequisites: MATH 601 or the equivalent

Description (as it should read in the Graduate Bulletin):

This is a continuation of MATH 601. Not open to students who are taking or who have received credit for MATH 302 or 702. Advanced topics in group and ring theory. Fields and field extensions.

35. MATH
Minor Change: Change in course number, course title, and course description

TO:

MATH 616. Complex Analysis. 3 hr.; 3 cr. Prereq.: One year of multivariable calculus (MATH 202) or the equivalent. Not open to students who are taking or have received credit for MATH 316. Topics covered include analytic functions, Cauchy's Integral Theorem, Taylor's theorem and Laurent series, the calculus of residues, singularities, meromorphic functions

c. Nominating Committee

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

   "To accept the Nominating Committee Report dated April 14, 2022"

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

 1) Campus Affairs, Environment, and Graduation Advisory Committee

  The following faculty was elected by unanimous consent:

   Lisa D. Clark   Education   through: December 2023

  The following student was elected by unanimous consent:

   Saba Jobah   Arts & Humanities   through: December 2023

 2) Policy Board on Administration

  The following student was elected by unanimous consent:

   Minjae Kim   Arts & Humanities   through: December 2023

 3) International Student Affairs Committee

  The following student was elected by unanimous consent:

   Rebecca Ramlall   Arts & Humanities   through: December 2023

 4) Committee on Undergraduate Admissions & Re-entry Standards

  The following student was elected by unanimous consent:

   Lili Han   Education   through: December 2023

 5) Search Committee for Dean of Education

  The following faculty were elected by unanimous consent:

   Natanya Duncan   Social Sciences   Until the search is over

   John Pellitteri   Education   Until the search is over

   Leslee Grey   Education   Until the search is over

Dana Calvet   Arts and Humanities   Until the Search is over

The following students were elected by unanimous consent:

Roi Nachshon   Social Sciences   Until the search is over

Teresa Liu   Education   Until the search is over

Skyler Montoya   Education   Until the search is over

Aisha Farooq   Education   Until the search is over

6) **Auxiliary Enterprises Corporation (faculty only)**

The following faculty were elected by unanimous consent:

David Gerwin   Education   June 2025

6. **Old Business**

   a. **Nominations to the Nominating Committee:**

      i. Student – Arts & Humanities May 2022 - None

7. **New Business**

   a.   Calendar of Senate and Executive Committee meetings 2022-2023

      i.   MOTION: Duly made by Chair Ferguson:

   "To accept the Calendar of Senate and Executive Committee meetings 2022-2023"

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

Academic Senate Meetings
Thursdays at 3:35 pm

Fall 2022   **Spring 2023**

September 8, 2022   February 9, 2023
October 13, 2022   March 9, 2023
November 10, 2022   April 13, 2023* Spring break April 5-13
December 8, 2022   May 11, 2023 (Last)
                                            *May 11, 2023 - Limited Meeting New Senate

Executive Committee Meetings
Thursdays at 3 pm

Fall 2022	**Spring 2023**
August 25, 2022	January 26, 2023
September 22, 2022	February 23, 2023
October 27, 2022	March 23, 2023
November 17, 2022	April 27, 2023

MOTION: Duly made by Chair Ferguson:

"To Adjourn"

The meeting was adjourned at 3:49 pm. The next Academic Senate meeting will be on Thursday, May 12, 2022.