

BROOKLYN COLLEGE
OF
THE CITY UNIVERSITY OF NEW YORK
FACULTY COUNCIL

Meeting of November 13, 2012

The Committee on Undergraduate Curriculum and Degree Requirements herewith submits its recommendations in Curriculum Document 358.

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Note: All curriculum proposals will now include only new course numbers, wherever possible, with old numbers used only when there is no corresponding new number.

Respectfully submitted,

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Aaron Tenenbaum (Computer & Information Science, Chair)
Philip Thibodeau (Classics)
Michael Weinstein (Finance and Business Management)

Members of Faculty Council with any questions are urged to contact Aaron Tenenbaum at tbaum@sci.brooklyn.cuny.edu or (718) 951-5657 prior to the meeting.

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SECTION A-IV: NEW COURSES

Conservatory of Music

3263 Building Electronic Music Instruments

3 hours ; 3 credits

How to design, program, and build students' own electronic music instruments and installations, including both hardware and software. Topics include essentials of electronic circuits, interfacing them with computers, and instrument programming. Although the focus is on music, many aspects of the course topics are also applicable to interactive electronic art and theater.

Prerequisite: Music 3262 or 7372 or PIMA 7741, or permission of instructor.

Frequency of offering: Every other year in the fall semester

Projected enrollment: 16 students per year

Clearances: Computer and Information Science.

Rationale : As the recent Middle States Review has stated, it is imperative for Brooklyn College to continue to provide students with a educational experiences that expose them to new technologies. This course represents one aspect of the Conservatory of Music's attempt to instruct students in technological tools that could enhance their professional productivity. The Conservatory of Music's goals for student learning are to train musicians as artists and as professionals able to start and sustain careers. Given the revolutionary technologies for music creation and dissemination that arose during the last century, we feel that it is valuable to give students the chance to spend an entire semester becoming oriented and gaining experience with the creation of electronic music instruments, both hardware and software. These skills will help students understand the physics of musical sound, hone their abilities in composition, introduce them to electronic design, and develop cross-disciplinary knowledge that will provide them with valuable advantages in the professional world.

Department Goals Addressed by Course:

1. Understanding of the relationship of music to other arts and to technology.
2. Experience in composition, both original and based on models.
3. Understanding of musical elements (rhythm, melody, harmony, timbre, texture, dynamics, form) and their application in aural and score analysis.

Date of Departmental Approval: Oct. 16, 2012

Effective date: Fall 2013

SECTION A-IV: NEW COURSES

Conservatory of Music

3744 Electroacoustic Music Ensemble

3 hours; 1 credit

Ensemble music performance skills with electronic music instruments, combining diverse timbres and approaches to sound production and control. Instruments will include completely electronic ones as well as hybrids that combine acoustic instruments with digital signal processing. Instrument creation, networked interaction, incorporation of improvisation, and arrangement of amplified sound sources. Students will perform existing repertoire and have the opportunity to compose new works. The goal of each semester will be two or more public performances.

Prerequisite: Music 3262 or 7372, or PIMA 7741; or permission of instructor.

Frequency of offering: Every semester

Projected enrollment: 8-12 students per semester

Clearances: Computer and Information Science.

Rationale: Given the wide proliferation during recent years of instruments for electronic music performance, it is imperative for today's conservatory or music department to engage with these technologies and develop courses to explore the creative potential of the new instruments. This course will do so, allowing students to develop their own instruments and sound, as well as developing musicianship skills and performance skills applicable to new technologies. The process of rehearsal and performance in this ensemble will also be a kind of research, since the history of group electronic performance is quite short and few precedents exist, and because the instruments themselves and the methods for playing them will evolve along with the cutting edge of music technology. This course will teach students not only practical knowledge about instrument development and group performance, but also challenge them to collaborate and adapt their instruments and modes of performing to new compositions and innovative paradigms for ensemble music making.

Department Goals Addressed by Course:

1. Understanding of the relationship of music to other arts and to technology.
2. Understanding of musical elements (rhythm, melody, harmony, timbre, texture, dynamics, form) and their application in aural and score analysis.

Date of Departmental Approval: October 16, 2012.

Effective date: Fall 2013.

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Early Childhood and Art Education
Change in credits

FROM:

2004 Early Childhood Education Foundations

2 hours, 2 hours supervised field experience; ~~4~~ credits

This course provides an overview of the social, historical and philosophical foundations of early childhood education (ECE), including early childhood special education and bilingual education. With an emphasis on young children (birth to 8 years of age) and families from racially, ethnically, culturally, linguistically, and socio-economically diverse backgrounds, including recent immigrants, students will learn about implementing high quality early childhood education, including developmentally appropriate practices; importance of parent involvement and social justice; changing views in ECE curriculum and pedagogy; integrated co-teaching and collaboration with peers, families and communities; role of play, creativity and aesthetic education, and reflective practice in early learning. Current issues in ECE will be addressed. Students will be responsible for 30 hours of required supervised fieldwork in early childhood and early childhood special education settings.

TO:

ECAE 2004; Early Childhood Education Foundations

2 hours, 2 hours supervised field experience; 3 credits

This course provides an overview of the social, historical and philosophical foundations of early childhood education (ECE), including early childhood special education and bilingual education. With an emphasis on young children (birth to 8 years of age) and families from racially, ethnically, culturally, linguistically, and socio-economically diverse backgrounds, including recent immigrants, students will learn about implementing high quality early childhood education, including developmentally appropriate practices; importance of parent involvement and social justice; changing views in ECE curriculum and pedagogy; integrated co-teaching and collaboration with peers, families and communities; role of play, creativity and aesthetic education, and reflective practice in early learning. Current issues in ECE will be addressed. Students will be responsible for 30 hours of required supervised fieldwork in early childhood and early childhood special education settings.

Rationale: The number of course credits allotted for when this new course, ECAE 2004, was initially written were inaccurately reported. Instead of being a 4-credit course, ECAE 2004 should be a 3-credit course.

Material located with ~~strike-through~~ is to be deleted and material underlined is to be added

Date of departmental approval: December 13, 2011

Effective date: Fall 2012

Section A-V: CHANGES IN AN EXISTING COURSE

Department of Health and Nutrition Sciences

Change in hours and credits

FROM:

#3210 Nutritional Chemistry

~~4 hours; 4 credits~~

Biochemistry of carbohydrates, lipids, proteins, inorganic salts, enzymes, vitamins, hormones. Bioenergetics and oxidation reactions. Pathways of intermediary metabolism. (Not open to students who are enrolled in or have completed ~~Health and Nutrition Sciences 54~~ or Chemistry 4580 [58].)

Prerequisite: Health and Nutrition Sciences 2210 [29] and Chemistry *2500 [50] or 3510 [54].

TO:

#3210 Nutritional Chemistry

3 hours; 3 credits

Biochemistry of carbohydrates, lipids, proteins, inorganic salts, enzymes, vitamins, hormones. Bioenergetics and oxidation reactions. Pathways of intermediary metabolism. (Not open to students who are enrolled in or have completed Chemistry 4580.

Prerequisite: Health and Nutrition Sciences 2210 and either Chemistry 2500 or 3510.

Rationale: Accredited nutrition programs in the United States have an unusually large number of required courses in order to meet the learning outcomes set by the accrediting body. We are reducing the number of credits for this course in order to ensure that our students are able to graduate without going over 120 credits. The required content of the course has been adjusted such that items outlined in the course description are still covered in this shortened course. Other edits include removing old course numbers that are no longer being used by the college.

Date of departmental approval: October 16, 2012.

Effective Date: Fall 2013.

Material located with ~~strike-through~~ is to be deleted and material underlined is to be added

APPENDIX

Special Topics: The committee has approved the following special topics for the term indicated and informed the Provost of the committee's approval. These items do not require Faculty Council action and are announced here for information only.

The Special Topics listed below are each a first offering in Spring 2013.

AFST 3290: Special Topics in Literature, Culture and the Arts, Women's Narratives from the Black Atlantic and Mediterranean. (co-listed with ENGL 4100 and WMST 3165)

AMST 3902: Special Topics in the American Experience, The Women's Liberation Movement. (co-listed with WMST 3550)

ANTH 3010: Special Topics in Anthropology, Digital Anthropology.

ENGL 4100: Seminar in Post-Modernism, Women's Narratives from the Black Atlantic and Mediterranean. (co-listed with AFST 3290 and WMST 3165)

MUSC 3493: Special Topics in Music, Computer-Assisted Music Composition.

WMST 3550: Special Topics in Social Science, The Women's Liberation Movement. (co-listed with AMST 3902)

The Special Topics listed below are each a second offering in Spring 2013.

WMST 3165: Special Topics in Humanities: Women's Narratives from the Black Atlantic and Mediterranean. (co-listed with AFST 3290 and ENGL 4100)