BROOKLYN COLLEGE

OF

THE CITY UNIVERSITY OF NEW YORK

FACULTY COUNCIL

Meeting of 4/12/2011
REVISED

The Committee on Graduate Curriculum and Degree Requirements herewith submits its recommendations in Curriculum Document 202

Respectfully submitted,

Jennifer Ball – Art
James Cox – Computer and Information Science
Namulundah Florence – Education, Chair
Renison Gonsalves – English
Atiba Griffith - Student Representative
Frimette Kass-Shraibman – Accountancy

Members of Faculty Council with any questions are urged to contact Namulundah Florence at NFlorence@brooklyn.cuny.edu or (718) 951-3893 prior to the meeting.

Material located with ~~strike-through~~ is to be deleted and material <u>underlined</u> is to be added.

TABLE OF CONTENTS

SECTION A-IV: NEW COURSES

SECTION AI: SPECIAL ACTIONS

Department of Chemistry – Addition of the M.S. degree in Chemistry

RESOLVED, That the Board of Trustees approves the separation of the existing M.A. program in Chemistry at Brooklyn College into two tracks, one track leading to the M.A. degree and the second track leading to the M.S. degree.`

Explanation: The Chemistry Department has long offered a Master of Arts degree in Chemistry (HEGIS code 1905; SED program code 02083). The department now proposes to retain the listing for the M.A. in Chemistry but to modify it slightly (see SECTION AIII: CHANGES IN DEGREE PROGRAMS, below) and create a separate track leading to the Master of Science degree (proposed Bulletin text, below). The principal change assigns the comprehensive examination requirement to the M.A. degree and the thesis requirement to the M.S. degree. This change will not create a new program per se but rather will add a separate program listing to the State Education Department's Inventory of Registered Programs and provide interested students an alternate award (the M.S. degree) based on the distinctive orientation of the research track.

Students in the M.A. and M.S. tracks must complete a common core of seven courses. Students pursuing the M.S. degree must take one additional course, Thesis Research, and submit a thesis acceptable to the Chemistry Department. Faculty mentors supervise master's theses.

Although there is no discernible difference between the definitions of the M.A. degree and the M.S. degree in the official *Regulations of the Commissioner of Education* (New York State), there continues to be a strong perception among many students in the M. A. program that the M.S. degree has greater currency and recognition in the job marketplace and therefore the proposed M.S. is the degree of preference. The distinction between the two degrees in the Chemistry master's program derives from the greater emphasis on laboratory research in the M.S. degree. Students see this as providing a competitive advantage in applying for research positions in the chemical and pharmaceutical industries or as preparation for doctoral studies.

No new courses are entailed by this proposal and there are no additional costs.

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Proposed requirements for the Master of Science degree:

M.S. in Chemistry
HEGIS code 1905; SED program code TBA

Matriculation requirements
Applicants must offer the following: two terms of general chemistry including qualitative analysis; one term of analytical chemistry; two terms of organic chemistry; two terms of physical chemistry; two terms of calculus; and two terms of general physics.

General matriculation and admission requirements of the Division of Graduate Studies are in the *Bulletin* section "Admission."

Degree requirements:
Thirty credits are required for the M.S. degree.

Students must complete 26 credits in courses in the Chemistry Department. The following courses are required:

Chemistry 7110G: (Seminar, 2 credits)
Chemistry 7761G: (Advanced Inorganic Chemistry, 3 credits)
Chemistry 7550G: (Advanced Organic Chemistry, 3 credits)
Chemistry 7571G: Biochemistry (3 credits) or Chemistry 7670G: Chemical Thermodynamics (3 credits)
Chemistry 7640G: Quantum Chemistry (3 credits)
Chemistry 7420G: Basic Laboratory Techniques for Research (5 credits)
Chemistry 7421G: Basic Laboratory Techniques for Research (5 credits)

Students must complete Chemistry 7910G (Thesis Research, 2 credits) and submit a thesis acceptable to the department. Either Chemistry 7420G or 7421G (listed above) must be completed before work is begun on the thesis.

Information about requirements for the thesis is in the *Bulletin* section "Academic Regulations and Procedures."

The remaining credits required for the M.S. degree may be in graduate courses in any department approved by the deputy chairperson.

Courses in the Chemistry Department offered toward the degree must be 7000-level courses.

The program of study must be approved by the deputy chairperson.

Date of departmental approval: February 8, 2011

Effective date: Fall, 2011

SECTION A-VI: DEGREE WITHDRAWALS

Department of Health and Nutrition/School of Education

M.A., M.S. in Ed.: Adolescence Education and Special subjects - M.S. in Ed., Health and Nutrition Sciences: Health Teacher
HEGIS code 0837; NYS SED program code 27318

~~The Master of Science in Education Health Teacher (all grades) program provides a means for school health educators to focus on contemporary health issues, curricula development, and research skills to meet the needs of the school health education program. Required courses are offered once per academic year. Elective courses are offered less frequently on a rotating basis. If a student has not completed student teaching in health prior to application to the program, additional courses in specific areas including health counseling, human sexuality, substance abuse, and human nutrition and physiology will be required to qualify for student teaching.~~

~~Admission Requirements~~

~~The program is no longer accepting new applications for Fall 2011 for the following reason: The program is on hiatus.~~

~~The profession of teacher is licensed by the New York State Education Department. Therefore, program requirements are subject to change. All students should consult with the School of Education for the current requirements.~~

~~Matriculation requirements~~
~~Applicants must offer 18 credits in courses in the health sciences or equivalent courses in other fields.~~

~~Applicants must also offer (a) or (b) or (c):~~

~~(a) New York State Initial Certification in Adolescence Education in teaching health for all grades;~~

~~(b) courses in education that meet the New York State standards for the pedagogical core. These courses include study of the following: history of education and philosophy of education or principles of education or educational sociology; educational psychology or developmental psychology or psychology of adolescence or adolescent development; classroom management; teaching students with special needs and English language learners; 6 credits in literacy and language acquisition; curriculum development and methods of assessing student learning; uses of technology in the classroom; methods~~

~~of teaching health for all grades; 100 hours of fieldwork; 40 days or 300 hours of student teaching health for all grades, or one year of full-time teaching health for all grades; and submission of scores on the L.A.S.T.;~~

~~(c) an undergraduate degree with an appropriate major or appropriate course work (including introduction to health, human physiology, health counseling, health appraisal or the physiology of health and disease, occupational health ot first aid, evaluation or statistics, human sexuality, health and human ecology or environmental health, and drugs and society), and submission of scores on the Liberal Arts and Science test (L.A.S.T.).~~

~~Applicants must have a minimum undergraduate grade point average of 3.00. A minimum average of 3.00 in graduate courses is required to maintain matriculation.~~

~~International applicants for whom English is a second language are required to pass the Test of English as a Foreign Language (TOEFL) with a score of 550 before being considered for admission.~~

~~Applicants who have not completed all the specific course requirements are given individual consideration and may be admitted with conditions, with the approval of the head of adolescence education and special subjects in the School of Education and the chairperson of the Department of Health and Nutrition Sciences.~~

~~General matriculation and admission requirements of the Division of Graduate Studies are in the section "Admission."~~

~~Degree requirements~~
~~A minimum of thirty credits is required for the degree.~~

~~Students must complete 18 credits in health sciences in the Department of Health and Nutrition Sciences. Health and Nutrition Sciences 7190X and 7930X are required.~~

~~Students must also complete 12 credits in courses in the School of Education. Students take different education courses and sequences of courses depending on their previous course work, teaching experience, and the certificates they hold. Students who possess Initial Certification in teaching health must complete 9 credits in Group II and 3 credits in Group III, below. Students who do not possess Initial Certification or equivalent course work and teaching experience or who are teaching but do not possess Initial Certification in teaching health must have the appropriate course work and credits in the subject area and must complete the appropriate courses in Group I before taking courses in Groups II and III, below.~~

~~Students pursuing Initial Certification in teaching health must take Education 7503X, Teaching Writing Across the Curriculum, in Group III.~~

~~Students who already have a master's degree but wish Initial Certification in teaching health must take appropriate courses in Group I and Group III below, as determined at the time of matriculation by the head of adolescence education and special subjects in the School of Education.~~

~~- Group I~~
~~Education 7500X, 7501X, 7536T, 7542T, 7518T, 7543T.~~
~~- Group II~~
~~Education 7502T, 7512T, 7525T.~~
~~- Group III~~
~~Education 7005X, 7551T, 7671X, 7527T, 7684T, 7683T, 7545X, 7503X, Education 7548X/English 7507X, Education 796X/Theater 7141X, Education 7038X.~~

~~Students must pass a comprehensive examination or submit a thesis acceptable to the Health and Nutrition Sciences Department. Students who choose to write a thesis must complete Health and Nutrition Sciences 7999X. Information about requirements for the comprehensive examination and the thesis is in the section "Academic Regulations and Procedures." Courses offered toward the degree must be 700-level courses.~~

~~The program of study must be approved in the first semester by the chairperson or deputy chairperson of the Health and Nutrition Sciences Department and the head of adolescence education and special subjects in the School of Education.~~

Rationale: This degree program, offered in conjunction with the School of Education, was disconnected due to lack of resources.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION AIII: CHANGES IN DEGREE PROGRAMS

Department of Chemistry

M.A. in Chemistry
HEGIS code 1905; SED program code 02083

Matriculation requirements
Applicants must offer the following: two terms of general chemistry including qualitative analysis; one term of analytical chemistry; two terms of organic chemistry; two terms of physical chemistry; two terms of calculus; and two terms of general physics.

General matriculation and admission requirements of the Division of Graduate Studies are in the Bulletin section “Admission.”

Degree requirements

Thirty credits are required for the M.A. degree.

Students must complete 24 credits in courses in the Chemistry Department. The following courses are required: Chemistry 7110G, 7761G, 7571G or 7670G, 7640G, 7420G, 7421G.

~~Students must (a) submit a thesis acceptable to the department or (b) pass a comprehensive examination. Students who elect to write a thesis must take Chemistry 7910X, Chemistry 7420X or 7421X must be completed before work is begun on the thesis.~~

Student must pass a comprehensive examination.

~~Information about requirements for the thesis is in the section “Academic Regulations and Procedures.”~~

The remaining credits required for the M.A. degree may be in graduate courses in any department approved by the deputy chairperson.

Courses in the Chemistry Department offered toward the degree must be 7000-level courses.

The program of study must be approved by the deputy chairperson.

Rationale: The master’s in Chemistry is being divided into two tracks, one (above) still leads to the M.A. degree. The second track, which is a modification of the M.A.

requirements, leads to the M.S. degree. The latter is described in Section AI: Special Actions (above); it entails a separate listing for the M.S. in Chemistry on the SED Inventory of Registered Programs. The main effect of this revision is to separate the current option in the M.A. program of passing a comprehensive examination or completing a thesis by requiring the comprehensive examination only for the M.A. degree and completion of a satisfactory master's thesis for the M.S. degree. The latter also requires one additional course, Thesis Research (2 credits).

Date of departmental approval: February 8, 2011

Effective date: Fall, 2011

SECTION A-III: CHANGES IN A DEGREE PROGRAM

Department of Computer and Information Science

M.A. in Computer Science
HEGIS code 0701; SED program code 77202

Matriculation requirements
Applicants are expected to have the equivalent of at least 15 credits in computer and information science and related areas, including all of the following: knowledge of a high-level computer language (preferably C++ or Java), knowledge of assembly language and computer architecture, a course in discrete structures, a course in data structures, and a course in calculus. Students who do not have all of these requirements can be accepted with the condition that they complete these courses at the undergraduate level.
General matriculation and admission requirements of the Division of Graduate Studies are in the section "Admission."

Degree requirements
Thirty credits are required for the degree. Students must maintain at least a B (3.00) average.
Students must complete 30 credits in courses numbered 700<u>0</u> and above, including at least three courses labeled with an asterisk (*) and at least one course from each of the following five groups:
1. Computer and Information Science 7310X, 7312X, 7110X, 7120X, 7124X, 7132X;
2. Computer and Information Science 7200X, 7210X, 7212X, 7214X;
3. Computer and Information Science 7410X, 7412X, 7510X, 7512X, 7610X, 7414X, 7620X, 7500X;
4. Computer and Information Science 7422X, 7220X, <u>7221X,</u> 7224X, 7228X;
5. Computer and Information Science 7302X, 7330X, 7360X, 7332X, 7334X.
Up to 10 credits in courses in other departments may be substituted, with the permission of the graduate deputy chairperson.
Graphics/Multimedia concentration: Students who wish to have a concentration in graphics/multimedia should take any three of the following courses as part of their program in satisfying the degree requirements:
Computer and Information Science 7610X, 7620X, 7622X, 7630X, 7640X, 7642G, 7650X.
Students must complete one of the following: (a) Computer and Information Science 7990G and a thesis acceptable to the department; no more than 6 credits in thesis research may be counted toward the degree; or (b) pass a written comprehensive examination.
As an exception to the general college rule, the comprehensive examination in the Department of Computer and Information Science may be taken in the term preceding

the one in which the student will complete all course requirements for the degree. However, all other college regulations concerning the comprehensive examination still apply. Students are strongly advised to take advantage of this exception and to take the comprehensive examination in the earlier semester.

Rationale: These changes will allow the new course CISC 7221, Theoretical Computer Science, to satisfy the group 4 requirement for the M.A. Degree. The course introduces students to formal language theory and computability theory.

Date of departmental approval: March 3, 2011

Effective date: Fall, 2011

SECTION A-III: CHANGES IN DEGREE REQUIREMENTS

Department of Earth and Environmental Sciences

Earth Science Teacher (7-12), M.A.T.
HEGIS code 1917.01, NYS SED program code 33640

Matriculation requirements
Each candidate will be evaluated individually. Based upon this evaluation and certification requirements of the New York State Education Department, courses in education or another department may be substituted for required courses with permission of the program coordinator. Applicants to Concentration A must have completed a minimum of six credits in geology or in cognate sciences including chemistry and physics. Applicants to Concentration B must have completed a minimum of 9 credits in earth science and six credits in cognate sciences including chemistry and physics. Students deficient in science credits may be accepted on condition that they complete additional coursework as recommended by the program coordinator.

This program leads to a Master of Arts in Teaching Earth Science, and a New York State Professional Teaching Certificate in Adolescent Science Education with a specialization in earth science in grades 7-12.

Applicants must submit scores on the Liberal Arts and Science Test (L.A.S.T.).

Applicants must have a minimum undergraduate grade point average of 3.00. A minimum grade point average of 3.00 in graduate courses is required to maintain matriculation.

International applicants for whom English is a second language are required to pass the Test of English as a Foreign Language (TOEFL) with a minimum score of 650 on the paper based test or 280 on the computer based test or 114 on the internet based test to be considered for matriculation.

General matriculation and admission requirements of the Division of Graduate Studies are in the section "Admission."

Degree requirements
Thirty to thirty-three credits are required for the degree depending on the applicants' previous coursework, teaching experience and the certificates they hold.

General matriculation and admission requirements of the Division of Graduate Studies are in the section "Admission."

Concentration (A): 30 credits (for in-service teachers)
This program leads to a New York State Professional Teaching Certificate in Adolescent Earth Science and General Science Education for in-service science teachers. Applicants must hold a New York State Initial Certification in classroom teaching and a minimum of six credits in geology or in cognate sciences including chemistry and physics.

Twenty four credits in ~~Geology~~ Earth and Environmental Sciences from among: ~~GEOL~~ EESC 7000T, 7006T, 7012T, 7013T, 7040T, 7041T, 7042T, ~~643T,~~ 7044T, 7091T, 7092T, 7093T or any ~~700 level geology~~ Earth and environmental sciences course numbered 7100 or higher.

Education 7340T and one of the following courses in education: EDUC 7311T, 7305T, 7326T or 7320T.

Concentration (B): 30-36 credits (for pre-service teachers)
This option leads to both New York State Initial and Professional Teaching Certificates for pre-service science teachers. Applicants must have completed a minimum of 9 credits in Earth science and six credits in cognate sciences including chemistry and physics.

Fifteen credits in ~~Geology~~ Earth and Environmental Sciences from among: ~~GEOL~~ EESC 7000T, 7006T, 7012T, 7013T, 7040T, 7041T, 7042T, ~~643T,~~ 7044T, 7091T, 7092T, 7093T or any ~~700 level geology~~ Earth and environmental sciences course numbered 7100 or higher.

All of the following courses in education: EDUC 7500X, 7503X, 7312T or 7311T, 7320T and EDUC 7340T.

Other requirements that must be met include 100 hours of field experience, 40 days or 300 hours of student teaching at appropriate grade levels (EDUC 7332T and 7542T) or one year of full-time teaching at the appropriate subject area at appropriate grade level, completed study at the college level of a foreign language, submission of passing scores on the Liberal Arts and Science test (LAST), and any additional New York State requirements.

Clearances: School of Education 07/03/2011

Rationale: Students in our MAT Earth Science Teacher program hold degrees in disciplines other than Earth Science, and are working to gain content knowledge and skills sufficient for accreditation as an Earth Science teacher in New York State (typically an in-service teacher seeking a second certification). Thus they lack a 4-year undergraduate experience as a student of Earth Science, in which students gain added-

value experiences associated with being a professional geoscientist (e.g., internships, independent research opportunities, extended field courses). Such teachers are prepared to deliver state-mandated content and skills, but they lack the deep experience required to convey aspects of Earth Science as a profession, career, and research endeavor. This is problematic because such teachers typically fail to meet the National Science Education Standards expectation that teachers be "*familiar enough with a science discipline to take part in research activities in that discipline*" (National Research Council, 1996, p. 60). As part of an NSF-Geoscience Education grant-funded project (1035076), the Department of Earth and Environmental Sciences seeks to address this experience gap by providing a scaffolded experience in Earth Science research to teachers who are near completion of their MAT and have demonstrated exemplary performance and aptitude in previous geoscience classes.

The name of the Department of Geology has been formally changed to the Department of Earth and Environmental Sciences (item AI:4.2 in the Chancellor's University Report for June 2010). Courses of the Department of Earth and Environmental Sciences deal with issues of Earth Science and environmental science, often intermixed within individual courses, and the field of geology generally has become more interdisciplinary and often studies scientific issues related to knowledge and research of the environment. Accordingly, the program title "Earth and Environmental Sciences" more accurately reflects the curricula within the existing program.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-III: CHANGES IN DEGREE PROGRAM

Department of Health and Nutrition Sciences

M.P.H. in Community Health
HEGIS code 1214; SED program code 21578

Matriculation requirements
Applicants must offer at least 18 undergraduate credits in acceptable health or related courses, a GPA ~~in the major~~ of at least 3.00~~., and a minimum 2.85 overall GPA or a minimum 3.00 GPA in health and nutrition sciences courses taken as a nonmatriculated student~~. Applicants ~~must~~ should have experience in a health-related field and must submit a statement of academic interests and goals. Applicants also must submit results of the Graduate Record Examination.~~ or equivalent standardized professional admission examination. An interview may be required. Substitutions or.~~ A waiver of ~~some requirements~~ the GRE may be made when a student has a master's degree or higher from an accredited US college or university.~~ in specific circumstances.~~ General matriculation and admission requirements of the Division of Graduate Studies are in the section "Admission."

Degree requirements
Students must complete Health and Nutrition Sciences 7100X, 7110X, 7920X, 7140X, 7120X, 7130X, 7150X, 7930X, 7940X and 7950X. Students must receive a grade of at least B in each of these ~~nine~~ ten core courses; courses may be repeated if necessary.

In addition, students must complete one of the following ~~three~~ two concentrations of study:

General ~~P~~public health concentration: Students in this concentration must take Health and Nutrition Sciences 7163X (Conducting Community Needs and Strengths Assessments), 7164X (Health Services Development and Implementation in Community and Public Health) and 7171X Program Evaluation in Community Health). Students must choose their remaining courses from courses numbered Health and Nutrition Sciences 700X and above unless they receive permission from the deputy chairperson to substitute a specific course. In addition, students must submit either an acceptable thesis or an acceptable master's paper. Students electing to submit a thesis must complete Health and Nutrition Sciences 7935X and 7999X in lieu of 7940X and 7950X. Information about the thesis is in the section "Academic Regulations and Procedures." Students electing to complete a master's paper must complete Health and Nutrition Sciences 7940X and 7950X with a grade of B or better~~., and then one of the courses numbered 7950X through 7990X in which the master's paper will be written. The student must earn a grade of B or better for a master's paper to be acceptable.~~

Courses in the Health and Nutrition Sciences Department offered toward the degree must be 7000-level courses.
~~Health care management concentration: All of the following: *Health and Nutrition Sciences* 7141X, 7143X, 7144X, 7145X, and electives from courses numbered Health and Nutrition Sciences 7000X and above.~~

Health ~~care~~ policy and administration concentration (offered in cooperation with the Department of Political Science) must take the following courses: Health and Nutrition Sciences 7141X, 7142X, 7143X, ~~772.4X,~~ 7144X. ~~7145X.~~ Students in the health care policy and administration concentration must choose their remaining courses from the following list unless they receive permission from the deputy chairperson to substitute specific courses: Health and Nutrition Sciences ~~7144X,~~ 7145X, 7184X, 7161X, 7146X, 7162X; Political Science 7150X, 7310X, 7340X, 7370X, 7400X, 7470X, 7480X, 7510X, 7760X, 7720X, 7760X. Students with advanced preparation may substitute other courses for required courses with the permission of the graduate deputy ~~department graduate committee~~. In addition, students must submit either an acceptable thesis or an acceptable master's paper. Students electing to submit a thesis must complete Health and Nutrition Sciences 7935X and 7999X in lieu of 7940X and 7950X. Information about the thesis is in the section "Academic Regulations and Procedures." Students electing to complete a master's paper must complete Health and Nutrition Sciences 7940X and 7950X with a grade of B or better~~:, and then one of the courses numbered 7950X through 7990X in which the master's paper will be written. The student must earn a grade of B or better for a master's paper to be acceptable.~~ Courses in the Health and Nutrition Sciences Department offered toward the degree must be 7000-level courses.

Rationale: The general public health track (SIMS 323*)* has two new courses and a revision of an existing course (7171X), to meet Council on Education for Public Health (CEPH) accreditation requirements. In December, 2010, CEPH stated that Brooklyn's MPH should have courses that meet the existing track competencies. Two new proposed courses, 7163X and 7164X plus revisions in 7171X will provide skills in areas that public health professionals often called upon to show expertise. And, students still have two elective courses they can take in the public health area of their interest (e.g., international health or urban health, etc.).

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-III: CHANGES IN DEGREE PROGRAM

Department of Health and Nutrition Sciences

M.A. in Community Health
HEGIS code 1214; SED program code 78495

The master of arts degree in community health serves both national and international students who are pursing a career in health promotion/disease prevention. Many of our graduate students are in practice in the field and come to Brooklyn College for advanced training and professional development.

The program has two concentrations: community health education and thanatology. The community health education concentration develops professionals who design, conduct, and evaluate activities that help improve the health of individuals and communities. Graduates typically find employment in public health departments, community-based organizations, hospitals, and clinics as patient educators, health education teachers, health coaches, community organizers, public health educators, and health program managers.

The thanatology concentration focuses on the development of expertise in the area of dying, death, and bereavement. Graduates hold a variety of positions including that of hospice program director, hospital bereavement coordinator, hospice volunteer coordinator, funeral aftercare counselor, and bereavement counseling program director.

Matriculation requirements
Applicants must offer at least 18 credits in acceptable health related courses. Experience in a health-related field is required for the Thanatology concentration. Applicants must offer at least 18 credits in acceptable health-related courses and a minimum GPA of 3.0.

Degree requirements
Thirty-six credits are required for the degree. Students must complete one of the following two concentrations of study: Community Health Education (36 credits) or Thanatology (33 credits).

Community health education concentration. Required courses (~~27~~ 30 credits): Health and Nutrition Sciences, 7110X, 7120X, 7140X, 7141X, 7150X, 7161X, 7170X, 7171X, 7925X and 7930X.
Elective courses (~~9~~ 6 credits): Students must complete 6 credits chosen from 7000-level health courses after consultation with ~~the deputy chairperson~~ their faculty advisor.
Thanatology concentration. Students must take 24 credits from the following: Health and Nutrition Sciences 7180X, 7181X, 7182X, 7183X, 7184X, 7185X, 7186X, 7188X 7930X.

Rationale: Analysis of data on students who have been on probation, dismissed, or having difficulty maintaining a graduate GPA revealed that most of these students had an undergraduate GPA of less than 3.0.

The graduate health faculty approved adding HNSC 7150 (Biostatistics) as a required course so that graduates have a better understanding of research and comprehending the professional literature. In addition, students are assigned a faculty advisor who meets with them each semester. The faculty advisor can make recommendations about courses to take rather the graduate deputy. HNSC 7188X Adolescents, Death, and Bereavement should be a part of a comprehensive graduate thanatology program.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-III: CHANGES IN DEGREE PROGRAM

Department of Health and Nutrition Sciences

M.S. in Nutrition
HEGIS code 1306; SED program code 86173

The master of science degree in nutrition provides advanced level study of nutritional science and clinical nutrition. The program is appropriate for individuals who wish to become registered dieticians, nutrition educators, administrators of programs that provide nutritional services in commercial or institutional settings, nutritionists in community centers or private practice, researchers, or interpreters of research for the public employed by industry, government, academia, or mass media. Students whose baccalaureate degrees are in fields other than nutrition may take specified undergraduate courses to fulfill the prerequisites for application to the program. Students who wish to become registered dieticians will have to satisfy the undergraduate and/or graduate course requirements of our Dietetic Internship program before making a separate application to it.

Matriculation requirements
Applicants must offer undergraduate or graduate courses in general biology, physiology, general chemistry, organic chemistry, nutrition, biochemistry or nutritional chemistry, statistics, and medical nutrition therapy.
General matriculation and admission requirements of the Division of Graduate Studies are in the section “Admission.”

Degree requirements
Thirty to 39 credits are required for the degree.
Students must complete the following required core courses: Health and Nutrition Sciences 7230X, 7210X, 7211X, 7213X, 7241X, and 7930X. Students must receive a grade of at least B in each of these courses or approval of the Graduate Deputy Chairperson for Nutrition in order to qualify for the comprehensive examination or thesis; courses may be repeated if necessary.
A minimum of 15 additional credits is required. Students may choose among the following courses: Health and Nutrition Sciences 7120X, 7161X, 7172X, 7183X, 7200X, 7201X, 7212X, 7220X, 7221X, 7222X, 7223X, 7224X, 7231X, 7232X, 7233X, 7234X, 7240X.
Students interested in the Dietetic Internship (DI) accredited by the American Dietetic Association must take Health and Nutrition Sciences 7240X, 7241X, and two additional graduate courses in nutrition before beginning the DI. The DI consists of Health and Nutrition Sciences 7200X, 7201X, 7202X, and 7203X. Separate applications must be made to the DI and to the M.S. program in nutrition.

Students must pass a comprehensive examination or submit a thesis acceptable to the department. Students who choose to write a thesis must complete Health and Nutrition Sciences 7999. Information about the requirements for the comprehensive examination and thesis is in the section “Academic Regulations and Procedures.”

Dietetic Internships (DI)
The American Dietetic Association accredited Dietetic Internship (DI) at Brooklyn College is a one-year part-time program that provides the supervised practice experience required to sit for the Registered Dietitian (R.D.) examination. Students must be enrolled in the M.S. in nutrition program to be eligible for the DI, and they must file a separate application for the DI. Application to the DI is through the American Dietetic Association’s matching program. Contact the DI program director, Roseanne Schnoll, for details. The program enables students to apply theory and research to practice in clinical, community, and food service settings, thereby enriching their education and preparing them to make significant contributions to and rapid advancement in the profession.

Rationale: A new course, HNSC 7213X, Human Pathophysiology, is proposed as a prerequisite to an already required course, HNSC 7241X, Nutrition and Disease. This addition renders HNSC 7213X a required course as well. The Change in Program Requirements is being made to make this requirement clear.

The course Health and Nutrition Sciences 717X has been moved to inactive status and should not appear in the Bulletin.

Date of departmental approval: March 11, 2011

Effective date: Fall, 2011

SECTION A-III: CHANGES IN DEGREE AND MATRICULATION REQUIREMENTS

Department of Psychology

M.A. in Mental Health Counseling
HEGIS code 2104.10; SED program code 30978

Human development, psychopathology, counseling theory, professional foundations and the three major streams of current counseling and psychotherapeutic practice: cognitive-behavioral, psychodynamic, and experiential/humanistic counseling. The focus is on preparation for a career in mental health counseling. Students focus primarily on clinical work with adults and families. After 3,000 hours of supervised post-degree experience, students are eligible to take the licensing exam to permit private/independent practice of counseling and are equipped for a career in mental health counseling.

Matriculation requirements
Applicants must offer a minimum of 15 credits in undergraduate courses in psychology, with at least one course in each of the following areas: child or adolescent (developmental) psychology; general or introductory psychology; abnormal psychology, personality or psychopathology; and statistics or evidence of appropriate comparable background in related fields. Applicants must provide a personal statement, including discussion of related work, internship and/or personal experiences. Applicants must also submit letters of recommendation from individuals familiar with applicants' professional and academic experience. The program invites selected applicants to participate in an interview and to complete an on-site writing sample.

General matriculation and admission requirements of the Division of Graduate Studies are in the section "Admission."

Degree requirements
Sixty credits are required for the degree, a minimum of 48 of which must be taken in the Psychology Department.

Students must pass a comprehensive examination after completing 48 credits.

Required courses are: Psychology 7410G, 7720G, 7755G, 7421G, 7431G, 7771G, 7441G, 7449G, 7442G, 7443G, 7110G, 7544G, 7591G, 7545G, 7106G, 7592G, 7245G; the remainder of each student's program must be approved by the program director. The program may be completed on either a full- or part-time basis.

Failure to earn a grade of B (3.00) or better in any one attempt at Psychology 7431G, 7449G, 7591G or 7592G may result in implementation of a student remediation plan,

independent of the overall GPA, as deemed appropriate and according to procedures adopted by the department. Following remediation, failure to earn a grade of B or better in a subsequent attempt at Psychology 7431G, 7449G, 7591G, or 7592G may result in restrictions on registration in the Mental Health Counseling program. In addition, continued enrollment in all clinical practicum and internship courses is also contingent upon the student's adherence to and demonstration of standards of professional conduct and demeanor as deemed appropriate by the psychology department in concurrence with standards codified in the American Psychological Association and American Counseling Association and American Mental Health Counseling Association professional and ethical codes and guidelines and New York State regulations, as well as Brooklyn College standards for student conduct. These standards include, but are not limited to, confidentiality, client welfare, honesty, and academic integrity. Significant and/or repeated violations of these standards may result in dismissal from the Mental Health Counseling program when warranted and in conformity with policies and procedures adopted by the department and the College as appropriate.

New York State Mental Health Counseling Licensing
3,000 hours of supervised post-degree experience are required to be eligible to take the examination for licensure permitting private practice of mental health counseling. Information about New York State licensing for mental health counseling may be found at: http://www.op.nysed.gov/mhp.htm.

Rationale: The amended degree and matriculation requirements outlined above are required to implement a Mental Health Counseling Program Student Conduct Policy by reference in the Bulletin in order to ensure student conduct in clinical practice situations of practicum and internship courses is in accord with required professional standards for licensure.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-III: CHANGES IN DEGREE PROGRAMS

Department of Theater

M.F.A. in Theater
HEGIS code: 1007; SED program code 76211

The Department of Theater offers a master of fine arts degree in theater with a concentration in one of the following areas: performing arts management, acting, directing, ~~dramaturgy,~~ or design. The two-year, 60-credit program prepares students for leadership and professional careers in each area of concentration through a combination of practical and theoretical courses as well as through internships with major institutions in the New York metropolitan area.

Matriculation requirements:
Acting: Applicants must offer at least 18-21 credits in acting courses. Consideration will also be given to applicants who do not meet course requirements but have equivalent experience or unusual talent in the chosen concentration. Such applicants should consult the head of concentration directly. Applicants must apply to the head of concentration for an audition/interview appointment once their application has been submitted.

Design and technical production: Applicants must offer at least 18 credits in theater courses including courses in directing, design, and theater production, or in such design-related courses as architecture, art history, and painting. Applicants must be interviewed by the Theater Department or submit a portfolio directly to the Theater Department at the time of application.

Directing: Applicants must offer at least 18 credits in theater courses including courses in acting, directing, dramatic literature, theater history, and stagecraft. A production book for an actual or proposed production must be submitted directly to the Theater Department at the time of application. If possible, applicants should arrange to be interviewed by the Theater Department.

~~Dramaturgy: Applicants must offer at least 18 credits or the equivalent in theater and/or dramatic literature courses, submit at least three samples of formal essays or papers, and submit a statement of professional goals. If possible, applicants should arrange to be interviewed by the Theater Department.~~
Performing arts management: Applicants must offer at least 18-21 credits or the equivalent in courses in one of the following: dance, fine arts, music, or theater. Applicants must submit an essay on professional goals. Applicants must be interviewed by the Theater Department.

Consideration is also given to applicants who do not meet course requirements but have equivalent experience or unusual talent in the chosen concentration. Such applicants should consult the head of concentration.

A request for an audition or interview appointment may be made by letter or telephone to the head of the relevant concentration.
General matriculation and admission requirements of the Division of Graduate Studies are in the section "Admission."

Degree requirements:
Sixty credits are required for the degree.
Students must also submit a thesis based on a thesis project and/or production acceptable to the department. Information about requirements for the thesis is in the section “Academic Regulations and Procedures.”

Prior to the above, all students must undergo a pre-thesis evaluation (consisting of a work-in-progress shown to the faculty, an academic progress review by faculty, or both) by the time they complete 24 credits. If a student’s progress is not deemed satisfactory by the chairperson, the student will be denied the approval of a thesis production or project until the deficiencies noted in written form to the student have been corrected. Students must complete requirements in one concentration as follows. No student may exceed a total of 12 credits in practicum and/or externship courses. The remaining credits required for the degree must be in courses chosen in consultation with the ~~chairperson~~ head of concentration.

Acting: Theater 7321X (721.3X), 7322X (722.3X), 7323X (723.3X), 7324X (724.3X), 7331X (725.3X), 7332X (726.3X), 7333X (736.3X), 7334X, 7341X (727.3X), 7342X (728.3X), 7325X (731.3X), 7343X (732.3X), 7344X (733.3X), 7351X (734.3X), 7352X (735.3X), ~~7326X (737.3X)~~, 7353X (738.3X), 7354.X (739.3X), and 7742X (778X). Acting candidates are required to audition for all departmental productions and must accept roles as cast. Before taking Theater 7742X (778X), students must perform in a pre-thesis role approved by the head of concentration, and may serve as a production running crew supervisor.

Design and technical production: Theater 7212X, 7213X, 7415X, 7431X, 7433X, 7435X, 7421X, 7721X ~~or 777.9X~~, 7722X, 7723X, 7742X, ~~7516X~~; and a minimum of three additional courses in design and technical production. Before taking Theater 7742X, students must complete designs for actual productions at the experimental or thesis production level and must complete a design for a major production in fulfillment of the practicum course requirements.
Directing: Theater 7121X (U703X) or 7122X (U704X), 7311X (720.3X), 7212X (U751X) or 7221X (U706X) and 7213X (U752X) or 7222X (U707X), 7431X (771.5X) or 7433X (771.6X) or 7435X (771.7X), 7611X (773.9X), 7511X (775.2X), 7512X (776.2X), 7513X (777.2X), 7721X (777.09X) or 7621 (778.09X), 7722X (777.10X) or 7622X (778.10X), 7723X (777.11X), 7742X (778X), and 7514X (778.2X). Before taking Theater 778X,

students must participate in such production capacities as actor, stage manager, technician, and/or assistant director in fulfillment of the practicum course requirements.

~~Dramaturgy: Theater 7121X, 7122X, 7221X, 7222X, 7111X, 7131X, 7212X, 7213X, 7223X, 7142X, 7611X, 7721X or 777.9X or 7621X or 7621X, 7722X, 7742X, 7618X, 7151X, 7152X, 7153X, and 7154X. Students must spend two semesters as dramaturgy/literary management interns in fulfillment of the practicum course requirements; these assignments will be in association with a departmental production or off-campus production or publication approved by the adviser. The thesis may be a production protocol, or a collection of critical articles, or a historical research study.~~

Performing arts management: Theater 7212X (U751X), 7213X (U752X), 7442X (THE 773.4X), 7617X (777.1X), 7619X (787X), 7611X (773.9X), 7612X (774.9X), 7613X (775.9X), 7615X (776.8X), 7616X (776.9X), 7621X (778.09X or 778.9X), 7622X (778.10X), 7623X (778.11X), and Accounting 7101X (701X). Students must also take Theater 7631X (789X), which requires the satisfactory completion of a ten- to fifteen-week week residency with a professional arts organization or agency approved by the head of concentration and a thesis report based on the residency experience.
Courses in the Theater Department offered towards the degree must be ~~700~~ 7000-level courses.
The program of study must be approved in advance by the head of concentration.

Rationale: At this time, the heads of the concentrations do registration advising with their students (not the chairperson), so we are changing the Graduate Bulletin to reflect that practice.

The curriculum for the concentration in Acting is carefully integrated and designed to create a course of training that is specific, progressive, and sequential. The changes to the current list of degree requirements accurately reflect the four core graduate acting courses offered in sequence each semester over the two year degree period: Acting, Movement, Voice Production for the Actor, and Diction and Dialect for the Actor. THEA 7321 (721.3X) and THEA 7360 (742.3X) are two basic first semester courses that unify the pedagogy and developing acting process of the incoming actor. THEA 7321 focuses on the application of the techniques introduced in THEA 7360 to the craft and practice of scene-study and therefore THEA 7360 is a co-requisite for THEA 7321.

In recent years, most students in the Design and Technical Theater concentration have been granted a substitution for THEA 7516X (786X): Stage and Company Management, as it is no longer considered a requirement of the curriculum structure necessary for training a stage designer. It is far more valuable to have these credits available for specialized study in a particular area of stage design or Technical Theater, therefore we request that this course be removed as a requirement for the degree and be available as an elective for those who will find it beneficial.

In recent years, students in the Directing concentration who have already taken one or more undergraduate theater history survey courses have been granted one or

more substitutions as follows: THEA 7221 (U706X): History of Theater Theory and Criticism I and/or 7222X (U707X): History of Theater Theory and Criticism II in lieu of THEA 7212X (U751X): History of Theater to 1642 and/or THEA 7213 (U752X): History of Theater from 1642. These students benefit from broadening and deepening their knowledge of theater history by taking History of Theory and Criticism I and/or II.

Currently, mainly due to a lack of resources, the department is no longer accepting students who wish to pursue the concentration in Dramaturgy. The concentration is inactive and will remain so indefinitely. Therefore, in order to avoid confusion among potential applicants, it is time to delete material related to the Dramaturgy concentration from the Graduate Bulletin.

In the Performing Arts Management concentration, THEA 7442 (THE 773.4X): Theater Design and Planning has been treated as an established core class in the MFA concentration in Performing Arts Management for 32 years. Theater Design and Planning first appeared in the 1978 Graduate Bulletin. Since the course has been treated essentially as a requirement in the concentration, it is now time for this class to be a formal requirement of the concentration.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-III: CHANGES IN DEGREE PROGRAMS

Department of Theater

M.A. in Theater History and Criticism
HEGIS code: 1007; SED program code: 83119

The Department of Theater offers a master of arts degree in theater, theater history and criticism. This ~~one-year~~ ~~30~~ 33-credit program requires a minimum of ~~21~~ 27 credits to be completed in the ~~Theater~~ Department of Theater with the remaining credits chosen in consultation with the program head. The program is an important step toward a doctorate in theater.

Matriculation requirements

Applicants must offer at least 18 credits in theater courses including at least one course in each of the following: dramatic literature, theater history, and theater production.

General matriculation and admission requirements of the Division of Graduate Studies are in the section “Admission.”

Degree requirements

Thirty-three credits are required for the degree. The following courses are required: Theater 7121X (U703X), 7122X (U704X), 7211X (701X), 7212X (751X), 7213X (752X), 7221X (U706X), 7222X (U707X), 7742X (778X).

At least ~~21~~ 27 credits must be completed in courses in the ~~Theater~~ Department of Theater. ~~Theater 7741G (no credit) is required.~~ The remaining credits required for the degree must be in courses chosen in consultation with the ~~chairperson~~ program head.

Students must submit a thesis acceptable to the department. Information about requirements for the thesis is in the section “Academic Regulations and Procedures.”

Courses in the ~~Theater~~ Department of Theater offered toward the degree must be 7000-level courses.

The program of study must be approved in advance by the ~~chairperson~~ program head.

Rationale: It has been the accepted practice over the last decade for the students in the MA program to take the above core courses. As well, this change in degree requirements replaces the MA degree’s current thesis course (THEA 7741G, 0 credits) with the thesis course taken by all other graduate students in Theater (THEA 7742X, 3 credits). Bringing the MA students in line with the rest of the department’s graduate students will avoid confusion in the future and the misunderstandings that were

associated with a zero-credit thesis course (which carries the same tuition cost as a three-credit course). In addition, in the Department of Theater, the program head approves an MA student's program of study (not the chairperson); a change in the catalogue description is needed to update and clarify what is already being done in practice.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION AIII: CHANGES IN DEGREE PROGRAMS

Department of Political Science

M.A. in Political Science

M.A. in International Affairs
HEGIS code 2207; NYS SED program code 02108

The political science master's program offers students a choice of three concentrations: political science, international affairs, or urban politics and administration.

The political science concentration combines the theories and methodologies of political science with the opportunity to specialize in one of four fields: American politics, comparative politics, political theory, or international relations.

The international affairs concentration is designed to prepare students for professional and academic careers in international affairs through programs of study tailored to their specific interests and goals. Courses range from broad overviews to seminars on specific world regions, and are combined with independent study classes and master's thesis courses in close collaboration with faculty members. To foster professional preparation, the program also publishes student work in the department's Political Science Journal and places students in internships as well as study and work opportunities abroad.

The urban policy and administration concentration, given at the Brooklyn College Graduate Center for Worker Education campus at 25 Broadway in lower Manhattan, provides theoretical and practical understanding of the criminal justice system, labor organizations, racial and ethnic politics, public policy processes, and New York City government. All political science courses in this concentration are taught by an experienced faculty with a broad range of connections to government agencies, community-based organizations, and labor institutions. Students develop skills in policy analysis, organizational theory, and the application of statistical concepts applied to administrative and management abilities. A wide range of internships are available. Students complete the program with a master's seminar. Graduates find professional opportunities in city, state, and federal government agencies; international agencies; not-for-profit and community-based organizations; unions; foundations; hospitals; and in the private sector. Alumni have also pursued careers in electoral politics. Students have continued their studies in doctoral programs and law schools. The program publishes Working USA: Journal of Labor and Society, a leading professional peer-reviewed academic journal found in hundreds of universities and libraries.

Matriculation requirements
~~Applicants must have an undergraduate GPA of at least 3.0 and preferably completed at least eight courses in political science or related fields.~~ Admission is highly competitive; decisions are based on GPA, recommendation letters, personal statement, and relevant experience. General matriculation and admission requirements of the Division of Graduate Studies are in the section "Admission."

Degree requirements
Students choose one of the following three concentrations described below: Political Science, International Affairs, or Urban Policy and Administration.

I. Political Science: The requirements for the concentration in political science are:

1. Credits: Thirty credits, all from 7000-level courses. With the permission of the deputy chairperson, a maximum of 12 credits (four courses) may be transferred from graduate courses in other departments or other universities to substitute for any requirement below.

2. Distribution: Courses are grouped into four main areas of study: American government (POLS 7200X-7570X), comparative politics (POLS 7712X-7891X), international relations (POLS 7600X-7691X), and political theory (POLS 7000~~0~~10X - 7190X, excluding 7000X and 7170X). A minimum of 9 credits must be from one of these areas, which will be the student's specialization, and a minimum of 3 credits from each of the other three areas. Note: The statistics course (POLS 7000X) does not count for the political theory requirement.

3. Statistics/Methodology or Language: Students must either take an approved course in statistics or methodology, in political science or another graduate program, or pass a language examination in a major language approved by the deputy chairperson other than the student's native language. Three credits are given for a statistics or methodology course; no credits are given for the language examination.

4. Comprehensive Examination or Thesis: After completing a minimum of 21 credits, students must either take a comprehensive examination or write a thesis. The examination consists of two essay questions: one in the student's area of specialization and one in any other area. Students have a choice of questions in each area but must pass both to pass the examination. No credits are given for the comprehensive examination. The thesis, taken as POLS 7910G for 3 credits, consists of a sixty-page original research project. The thesis process, beginning with a proposal submitted to the department, is described in the Thesis Guidelines on the program website, http://www.brooklyn.cuny.edu/pub/departments/gradpolisci/
II. International Affairs: The requirements for the concentration in international affairs are:

(1) Courses: ~~Ten~~ Eleven 7000-level courses (3~~0~~3 credits) with the following distribution:

1. Modern International Politics (POLS 7610X) and at least two other international affairs courses (POLS 7600X-7691X).

2. Comparative Politics (POLS 7720X) and at least two ~~one~~ other Comparative Politics courses (7770X - 7891X);

3. Statistics (POLS 7000Xor equivalent in other departments) or Methodology (POLS 7160X);

4. One of the following four choices, a) - d):
a) Political Theory (one course chosen from POL 7010X 7170X- 7190X, excluding POLS 7170X);
b) International Internship (POLS 7950G);
c) Independent Study (POLS 7940X);
d) Master's Thesis (POLS 7910G) (see description above).
5. Three electives: any courses from the political science or related graduate program. With department approval, up to 12 credits (four courses) ~~may be~~ from other departments or graduate programs may ~~to~~ substitute for any requirement(s) above.
(2) Examinations: Students take a pass/fail comprehensive exam and a foreign language examination.

Rationale: There are three areas of change in this proposal. The first is simply to add an “S” to the course names in order to conform with the new numbering system. The second is to replace the 3.0 minimum for admissions with a statement of competitiveness. This change is needed because there are so many applications that the department no longer has space for many applicants with GPAs of over 3.0. The third change is to require one more course (3.0 credits) in the field of comparative politics for the international affairs concentration. This addition is proposed to bring the concentration in line with other masters programs, including our Urban Policy and Administration concentration, which require 33 credits. In addition, the extra course will be in comparative politics to get students into classes taught by full-time faculty. With all four of our international affairs professors specializing in regional politics, this area should receive more emphasis in the concentration.

Date of departmental approval: November 9, 2010

Effective date: Fall, 2011

SECTION A-III: CHANGES IN DEGREE PROGRAM

School of Education

M.S. in Ed.: Teacher of students with disabilities ~~in middle childhood education~~ 7-12 generalist
HEGIS code 0808; SED program code 31136

Matriculation requirements
Applicants must present a minimum undergraduate scholastic index of 3.0. A minimum grade point average of 3.0 in graduate education courses is required to maintain matriculation. International applicants for whom English is a second language are required to pass the Test of English as a Foreign Language (TOEFL) with a minimum score of 650 on the paper-based test, or 280 on the computer-based test, or 114 on the Internet-based test, before being considered for graduate studies.

~~Applicants must have successfully completed a New York State Initial Certificate in one of the following New York State approved teacher certification areas: a) early childhood, b) childhood education, c) middle childhood education, d) adolescence education, e) special subjects or f) teacher of students with speech and language disabilities; or the equivalent preparation and/or certification; or have a baccalaureate degree in a liberal arts and sciences major, or 36 credits in a liberal arts and sciences concentration and demonstrated undergraduate preparation in English, science, mathematics, the social sciences, and foreign language, or~~ Applicants must quality for a New York State Transitional B Certificate as a Teacher of Students with Disabilities ~~in Middle Childhood Education.~~ Generalist (7-12). Students who do not possess Transitional B Alternative Certification Certificates or who have Transitional B Alternative Certificates but who are not employed as teachers will be required to complete six credits of student teaching. Applicants must present evidence of six credits of prior upper division undergraduate or graduate work in each of four areas: Humanities, including English; social sciences; mathematics; physical and/or life sciences.

Applicants must submit scores on the Liberal Arts and Science Test (L.A.S.T.).
Applicants are required to demonstrate written proficiency in English and must submit three appropriate letters of recommendation.
Students should note additional requirements found at the beginning of this section as well as in the sections "Admissions" and "Academic Regulations and Procedures" in the Graduate Bulletin.

Thirty-three ~~or 30 to 45~~ ~~to 39~~ credits are required for the degree. ~~The course of study and credit options are determined by previous course work, teaching experience, and the certificates they hold. During the first term students in both options (33 or 30 to 45 credits) must file a program of study approved by the head of the program in teaching~~

~~students with disabilities.~~ A program of study will be developed by the student and head of program upon student's admission.

Note on NYS Certification: With appropriate courses in the liberal arts and sciences, individuals may qualify for extensions to base certificates in several subject areas : English, mathematics, biology, earth science, chemistry, physics, social studies, Spanish, French, Italian, and visual arts. This option will be discussed and planned individually with students as they enter the program.

~~**Option A: 33 credits**~~

~~This option is for students holding an Initial Certificate in one of the New York State approved teacher certification areas, without student teaching experience and without certification in students with disabilities in grades 5-9. Students must complete 33 credits: Education 7675T and 7672T; 7676Tand 7678T; 7679Tand 7659T; 7664T and 7680T; 7675Tand 7657T; and Education 7681T, Seminar and Student Teaching: Students with Special Needs. Students must complete at least 50 hours of supervised field experience and at least 20 days of student teaching (teaching students with disabilities in middle childhood). In addition, students must complete a research project under advisement of a faculty member in Education 7657T.~~

~~**Option B 30 to 45 credits**~~

~~This option is for students who have a baccalaureate degree in a liberal arts and sciences major, or 36 credits in a liberal arts and sciences concentration and demonstrated undergraduate preparation in English, science, mathematics, the social sciences, and foreign language, and who do not possess Initial Certification in any teacher certification area. Students must complete 30 to 45 in the following courses, which should be taken in this recommended order: Education 7531T, 7532T, 7462T, 7312T, 7674T, 7672T, 7675T, 7676T, 7664T, 7678T, 712.33 T, 7680T, 7657T, 764.21T,and Education 7681T, Seminar and Student Teaching: Students with Special Needs. Students must complete at least 100 hours of supervised field experience and at least 40 days of student teaching. In addition students must complete a research project under advisement of a faculty member in Education 7657T.~~

~~**Option C**~~**A~~**: 39 credits**~~

~~This option is for students who have a baccalaureate degree in a liberal arts and sciences major, or 36 credits in a liberal arts and sciences concentration and demonstrated undergraduate preparation in English, science, mathematics, the social sciences, and foreign language, and who qualify for New York State Alternative Certification as a Teacher of Students with Disabilities in Middle Childhood Education or holding such certification. Students must complete 39 21 credits in the following education courses, which should be taken in this recommended order: Education 7653T,7674T, 7531T,726.2T, 7532T, 7462T, 712.33 T, 7312T, 7676T, 7678T, 7680T,~~

~~7664T, 7657T, 7659T, 7503, six credits in 7681T; and 12 credits in graduate liberal arts and sciences courses, to be approved by the program head. In addition students must complete a research project under advisement of a faculty member in Education 7657T.~~

~~Option D 44~~ 33 credits in the following courses:

~~This option is for students who have a baccalaureate degree in a liberal arts and sciences major, or 36 credits in a liberal arts and sciences concentration and demonstrated undergraduate preparation in English, science, mathematics, the social sciences, and foreign language, and who are teaching or have secured a position teaching students with special needs and qualify for New York State Alternative Certification as a Teacher of Students with Disabilities in Middle Childhood Education.~~
Students must complete ~~39~~ 21 credits in the following education courses~~, which should be taken in this recommended order~~: Education ~~7653T~~,7674T, ~~7531T~~, ~~726.2T~~, ~~7532T, 7462T, 712.33 T~~, ~~7312T~~, 7676T, 7678T, ~~7680T~~, 7664T, 7657T, 7659T, 7503; and 12 credits in graduate liberal arts and sciences courses, to be approved by the program head.
In addition, students must complete a research project under advisement of a faculty member in Education 7657T.

Rationale: Responding to a statewide shortage of certified secondary special education teachers, the New York State Education Department abruptly ordered that schools of education convert existing 5-9 (Middle Childhood) Students with Disabilities programs to 7-12 (Secondary) Students with Disabilities programs, affecting two of Brooklyn College's four program options. Brooklyn's existing courses already address the revised age/grade levels as parts of their scope and sequence. Changes in this program reflect the demands of high school teaching, and the State's demand for increased preparation in liberal arts and sciences for teachers of students with disabilities.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Conservatory of Music

MUSC 7370X: Introduction to Music Technology
45 hours; 3 credits

Introduction to an array of available software for the creation, documentation, and instruction of music. Designed for any graduate musician interested in computer-based tools to enhance musical life and career. Topics include digital audio, MIDI, music notation, music on the Internet, presentation of one's work, and pedagogical tools. ***Prerequisite:*** Matriculation in a graduate visual, media, or performing arts program; or permission of instructor.

Frequency of offering: Once per year in the fall semester

Projected enrollment: 15 students per year

Clearances: None

Rationale: As the recent Middle States Review has stated, it is imperative for Brooklyn College to continue to provide students with 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 in professional audio and computer tools. These tools will help students present their work better, will enhance their creativity, and will provide practical, marketable skills.

Date of departmental approval: November 9, 2010

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Department of Art

ARTD 7097G: Architecture and Urban Design in New York City
45 hours lecture; 3 credits

Study of New York City's monuments and infrastructure. Contextualization of the city's built environment within its architectural discourse.

Frequency of offering: Every 3 to 4 semesters

Projected enrollment: 10-15 students

Clearances: none

Rationale: This course will explore the history of architecture and urban design in New York City from the colonial period through the present day. We will study well-known monuments along with lesser-known but important works, and consider the political, cultural, and economic factors that fueled the development of New York's built environment. This course will situate the architecture of New York City within the broader discourse of American architectural history, and will consider the impact that New York had on nationwide architectural trends. Classroom lectures will be supplemented regularly with site visits across the city.
This course is intended to complement the department's offerings in general architectural history. It will draw on the city's rich local resources to offer students the opportunity to study architecture through direct exposure to the works discussed in class.

Date of department approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Department of Art

ARTD 7157G: History of Architecture: Renaissance through Nineteenth Century
45 hours lecture; 3 credits

Exploration of the history of architecture in Europe and the United States from the Renaissance through the 19th Century.

Prerequisite: none

Frequency of offering: Every 3 to 4 semesters

Projected enrollment: 10-15 students

Clearances: none

Rationale: This course will offer an overview of architectural development in the West from the Renaissance through the Nineteenth Century. It will explore a variety of architectural cultures and contextualize the development of the built environment within the emergence of the Modern Age and its relevant social, political, and religious circumstances. Additionally, this course will teach students how to study architectural form for meaning, using both images and local buildings as teaching tools.
This course is intended as the second of a sequence to give students a comprehensive understanding of issues in architecture and urbanism from the ancient world through the modern.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Department of Art

ARTD 7158G: History of Architecture: Modern through Contemporary
45 hours lecture; 3 credits

Exploration of the history of architecture across the globe from the turn of the 20th century through contemporary practice. Key monuments and theories of the modern age.

Prerequisite: none

Frequency of offering: Every 3 to 4 semesters

Projected enrollment: 10-15 students

Clearances: none

Rationale: This course will offer an overview of architectural development in the modern world from the turn of the 20th century through the present. It will contextualize the emergence of Modern architecture within its relevant social, political, and theoretical circumstances. Additionally, this course will teach students how to study architectural form for meaning, using both images and local buildings as teaching tools.
This course is intended as the third of a sequence to give students a comprehensive understanding of issues in architecture and urbanism from the ancient world through the modern.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Department of Biology

BIOL 7013X: Principles of Immunology
45 hours, 3 credits

Innate and adaptive immunity with emphasis on the cellular and molecular mechanisms of immunity. Immune responses to viral, bacterial, fungal and protozoan pathogens, allergic hypersensitivity responses and autoimmune diseases. Recent developments in modifying the immune system to respond effectively to cancer, the development of more effective vaccines and the role of inflammation in disease. Case studies will provide a clinical context. [Not open to students who have taken BIOL 4013 or equivalent].

Prerequisites: None

Projected enrollment: 30 students per year.

Course offering: Once a year in the fall semester.

Clearances: None

Rationale: Immunology is a rapidly advancing field and is essential to understanding infectious diseases as well as non-infectious illnesses such as chronic inflammation and autoimmunity. Immunology is touched on in General Biology and Microbiology, but there are currently no courses offered in the Biology Department that cover immunology in significant detail. The interactions between the innate immune response and adaptive immune response are complex, involving numerous different cell types and signaling molecules, and require a complete course dedicated to these topics.

Date of department approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Department of Computer and Information Science

CISC 7221X: Theoretical Computer Science
37½ hours plus conference and independent work; 3 credits

Overview of theoretical computer science. Finite automata and pushdown automata, grammars, Turing machines, the Halting Problem, unsolvable problems. Time complexity, space complexity, complexity classes, P, NP, NP-Complete, PSPACE, EXPTIME.

Prerequisite: a course in discrete structures. Not open to students who have completed a course in theoretical computer science.

Frequency of offering: every semester

Projected enrollment: 1 section of 20 students

Rationale: Right now there are two graduate courses in theoretical computer science that are given on a regular basis: computability theory (7220), and formal language theory (7224). Graduate students in the MA in computer science program are required to take one, which means they are introduced to one of these two areas but not both. This new course is intended to be a survey course of different areas of theoretical computer science. It is the intention that this course will be the one theory class that will be taught regularly. The other courses will be electives, and they will have this course as a prerequisite.

Date of departmental approval: March 3, 2011

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Department of Earth and Environmental Sciences

EESC 7091T: Research Experience for Teachers I: Immersion
5 hours seminar, 40 hours lab, One and a half credits

Participation in faculty-led research team; field and lab components; reflection on transferability to pre-college classroom.

Prerequisite: 12 credits in Earth science and permission of the instructor

Frequency of offering: Every summer

Projected enrollment: 6 students

Clearances: None

Rationale: Students in our MAT Earth Science Teacher program hold degrees in disciplines other than Earth science, and are working to gain content knowledge and skills sufficient for accreditation as an Earth Science teacher in New York State (typically an in-service teacher seeking a second certification). Thus they lack a 4-year undergraduate experience as a student of Earth Science, in which students gain added-value experiences associated with being a professional geoscientist (e.g., internships, independent research opportunities, extended field courses). Such teachers are prepared to deliver state-mandated content and skills, but they lack the deep experience required to convey aspects of Earth Science as a profession, career, and research endeavor. This is problematic because such teachers typically fail to meet the National Science Education Standards expectation that teachers be "*familiar enough with a science discipline to take part in research activities in that discipline*" (National Research Council, 1996, p. 60). As part of an NSF-Geoscience Education grant-funded project (1035076), the Department of Earth and Environmental Sciences seeks to address this experience gap by providing a scaffolded experience in Earth science research to teachers who are near completion of their MAT and have demonstrated exemplary performance and aptitude in previous geoscience classes.

This course is the entry into a three-course sequence that will prepare teachers to engage in field-based research. Taking an internship-type model, it will allow teachers to participate in an active faculty-led research project as part of a team that includes faculty and graduate students. Teachers will be able to both observe and practice Earth Science as a professional research endeavor, begin to develop a sense of inclusion in this research community, and reflect upon how the skills, behavior, and habits of mind modeled by professional geoscientists map on to their own classroom experiences and their teaching requirements.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Department of Earth and Environmental Sciences

EESC 7092T: Research Experience for Teachers II: Research Proposal
45 hours seminar, one and a half credits

Seminar approach to development of research proposals; literature searches; literature reviews
Prerequisite: EESC 7091 and permission of the instructor

Frequency of offering: Every fall semester

Projected enrollment: 6 students

Clearances: None

Rationale: Students in our MAT Earth Science Teacher program hold degrees in disciplines other than Earth Science, and are working to gain content knowledge and skills sufficient for accreditation as an Earth Science teacher in New York State (typically an in-service teacher seeking a second certification). Thus they lack a 4-year undergraduate experience as a student of Earth Science, in which students gain added-value experiences associated with being a professional geoscientist (e.g., internships, independent research opportunities, extended field courses). Such teachers are prepared to deliver state-mandated content and skills, but they lack the deep experience required to convey aspects of Earth Science as a profession, career, and research endeavor. This is problematic because such teachers typically fail to meet the National Science Education Standards expectation that teachers be "*familiar enough with a science discipline to take part in research activities in that discipline*" (National Research Council, 1996, p. 60). As part of an NSF-Geoscience Education grant-funded project (1035076), the Department of Earth and Environmental Sciences seeks to address this experience gap by providing a scaffolded experience in Earth Science research to teachers who are near completion of their MAT and have demonstrated exemplary performance and aptitude in previous geoscience classes.

This course is the second of a three-course sequence that will prepare teachers to engage in field-based research. Reflecting on their experience in their summer internship observation, and in partnership with their faculty research mentor, teachers will develop a proposal to conduct a one-term research project that is integrated with ongoing faculty-led research, and is informed by their experience in EESC 7091 and the existing scientific literature.

Date of departmental approval: March 8, 2011
Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Department of Earth and Environmental Sciences

EESC 7093T: Research Experience for Teachers III: Independent Research
Minimum of 9 hours conference and independent work, 3 credits

Independent research within a faculty-supervised research team; public presentation of results required; reflection on transferability to pre-college classroom.
Prerequisite: EESC 7092 and permission of the instructor

Frequency of offering: Summer and Fall semesters

Projected enrollment: 6 students

Clearances: None

Rationale: Students in our MAT Earth Science Teacher program hold degrees in disciplines other than Earth science, and are working to gain content knowledge and skills sufficient for accreditation as an Earth Science teacher in New York State (typically an in-service teacher seeking a second certification). Thus they lack a 4-year undergraduate experience as a student of Earth Science, in which students gain added-value experiences associated with being a professional geoscientist (e.g., internships, independent research opportunities, extended field courses). Such teachers are prepared to deliver state-mandated content and skills, but they lack the deep experience required to convey aspects of Earth Science as a profession, career, and research endeavor. This is problematic because such teachers typically fail to meet the National Science Education Standards expectation that teachers be "*familiar enough with a science discipline to take part in research activities in that discipline*" (National Research Council, 1996, p. 60). As part of an NSF-Geoscience Education grant-funded project (1035076), the Department of Earth and Environmental Sciences seeks to address this experience gap by providing a scaffolded experience in Earth Science research to teachers who are near completion of their MAT and have demonstrated exemplary performance and aptitude in previous geoscience classes.

This course is last of a three-course sequence that will prepare teachers to engage in field-based research. Teachers will implement their research proposals that they developed in EESC 7092. The final results will we presented in a public presentation that will be aimed at a non-technical audience to facilitate the transition of the experience into teachers' classrooms.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Department of Earth and Environmental Sciences

EESC 7522G: Advanced GIS and Remote Sensing
30 hours lecture, 30 hours lab, 3 credits

Advanced techniques and modeling applications of ArcGIS taught such as spatial analyst, 3D analyst, and advanced techniques in modeling; image processing including image enhancement and classification of satellite data using Idrisi and ArcGIS softwares.
Prerequisite: EESC 7525 or with department chairperson approval.

Frequency of offering: Once every four semesters.

Projected enrollment: 15 students

Clearances: None

Rationale: The use of GIS and remote sensing are essential skills for many types of Earth and environmental research. Currently, graduate students at Brooklyn College who wish to take GIS courses are required to go to Hunter or Lehman Colleges where the courses often do not meet their Earth and environmental science research emphasis. Inquiries have been made by faculty at Queens College to see if we will offer GIS/geospatial techniques courses for they would like to send their students here. Lehman College offers a minor and certificate in GISc (Geographic Information Science); however, the travel distance to the Lehman College campus is difficult for many Brooklyn College based students. During Fall 2010, the Lab and Field Techniques Using Geospatial Technologies course was approved by Faculty Council. The Advanced GUS and Remote Sensing course will build on skills and concepts taught in lab and field technique course.

This course will replace 766G Geological Application of Remote Sensing. The Earth and Environmental Sciences Department now has a fully functional Geospatial lab with ArcGIS and Idrisi, an image processing software, on 20 computers, a 42” scanner, B&W and color printers, 20 Trimble high end GPS units with 2-5 meter horizontal resolution, and one Trimble ProXRT GPS receiver with sub meter horizontal resolution. Working with the Anthropology and Archaeology Department, the departments share 2 total stations and will be acquiring a base station for centimeter level horizontal and vertical accuracies.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Department of Health and Nutrition Sciences

HNSC 7163X: Conducting Community Needs and Strengths Assessments
45 hours; 3 credits

Introduction to community needs and strengths assessments. Identification, location, gathering, synthesis and presentation of population (neighborhood) specific data related to a public health issue or condition using technologically appropriate presentations. Analysis of multiple data sources including: U.S., Census, State, county, neighborhood quantitative data as well as key informant interviews and focus groups.

Prerequisites: 9 credits of core courses in the MPH or MA Community Health Education.

Frequency of offering: 1 time per year. Fall semester.

Projected Enrollment: 20 Students per year

Clearances: None

Rationale: Assessment is one of the three core functions of public health (assessment, assurance and policy development). Community need/strength assessments provide the foundation for understanding populations' morbidity and mortality rates. Possessing competency in conducting and critiquing community needs assessments is a critical public health function and an essential precursor for program design and health planning.

Date of department approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Department of Health and Nutrition Sciences

HNSC 7164X: Health Services Development and Implementation in Community and Public Health
45 hours; 3 credits

Planning, developing and implementing public health and personal health services and relationship to population health. Examination of health planning in the United States and New York State from historical and contemporaneous perspectives. Public policy agenda shaping health services; and local activity derivation from national agenda. Implementation and operating among policy and resource constraints.

Prerequisites: 9 credits of core courses in the MPH or MA Community Health Education.

Frequency of Offering: once per year in the spring semester

Projected Enrollment: 25 students per year

Clearances: none

Rationale: This new course is required as part of the MPH concentration in General Public Health (GPH) (SIMS code 323). Professionals in the health sciences are called upon to develop new programs or interventions and assess their effectiveness. This course is tailored to meet the demands of contemporary, competent health professionals and the types of professional activities that are routinely conducted in both public and private sectors of the health field. The course is oriented towards giving students the requisite tools and skills to plan and implement new health services or programs. This course addresses the conceptual and historical foundations of health planning in the United States and in New York State.

Date of department approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Department of Health and Nutrition Sciences

HNSC 7213X: Human Pathophysiology
45 hours; 3 credits

Etiology, pathogenesis, and clinical manifestations of human diseases that are treated by nutritional therapies.
Prerequisite: a course in human physiology

Frequency of Offering: every Fall semester

Projected enrollment: 1 section of 25 students

Clearance: none needed

Rationale: Students in the M.S. program in Nutrition take courses in Nutrition and Disease and in Assessment and Nutritional Care which require background knowledge of the causes, progression and manifestations (i.e. pathophysiology) of the diseases under discussion before Nutritional aspects of the disease and its therapy can be addressed. Addition of this course to the program as a prerequisite to the above-mentioned courses will allow instructors for those courses to forgo the use of lecture time to provide this necessary background, thereby increasing the class time for the main subject matter of the courses.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Political Science Department

POLS 7060X: Biopolitics
30 hours plus conference; 3 credits

Investigation into the state's role in fostering the safety and welfare of its population. Examination of technologies of power for governing the life, health, and death of populations. Exploration of the theories of biopolitics and governmentality and their application to particular institutions and discourses such as public health, immigration, surveillance, risk assessment, and security. Exposure to different forms of critical analysis.

Frequency of offering: one section per year

Projected enrollment: 25 students per section

Clearances sought and received: None

Rationale: According to the Political Science Department's missions and goals, political science courses should impart a "broad understanding of the theories and concepts that shape the discipline of political science." Within the subfield of political theory, one of the most exciting and vigorous areas of inquiry is that of "biopolitics." This course will further the department's stated goals for student learning: 1) it will help students understand this and related foundational concepts in political theory; 2) it will impart to the skills they need to interpret and explain the political phenomena related to the governing of life itself; 3) it will explore contemporary political issues through multiple theoretical lenses; 4) it will show students how to use the tools of political theory to interpret their own lived experience. This course is a much-needed addition to the department's political theory curriculum.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Department of Political Science

POLS 7640X: Global Gender Politics
30 hours plus conference, 3 credits

Study of gender politics and policy around the globe. Examination of women's citizenship and impact of gender on public policy and of public policy on gender in a range of societies. Exploration of the gendered foundations and impacts of the international processes of globalization, militarization, and democratization. Exposure to several types of political analysis such as political ethnography and feminist comparative policy.

Projected enrollment: 25

Frequency of offering: one section per year

Clearances: None

Rationale: Gender, as understood by feminist political theorists, is an active process that creates divisions of labor and power between men and women and is implicit in economic, political, and cultural institutions both within states and between states. The comparative study of gender around the world reveals the varied ways that gender is constructed and implicated in politics and public policy. Framing this course as about citizenship allows for the discussion of the powerful ways that women's (and men's) political lives are shaped by gender both domestically and internationally.

Date of departmental approval: November 9, 2010

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Department of Political Science

POLS 7680X: Global Politics and Global Climate Change
30 hours plus conference, 3 credits

Examination of how international law, organizations, and relations respond to climate change. Critical analysis of national interests, the global commons, and policy impacts.

Frequency of offering: Once every two years

Projected enrollment: 25

Rationale: No issue better exemplifies the political and policy challenges ahead for states around the world than global climate change. More devastating weather patterns, disruptions in agricultural seasons, and competition for shrinking resources all fuel civil and inter-state conflict. Among the wealthier states, efforts to reign in the causes of global warming present tough choices in domestic policy, new debates in electoral politics, and growing tensions in international politics. International organizations like the UN, meanwhile, face the ultimate test of whether they can take effective leadership roles amid a vacuum of national action.

Date of departmental approval: November 2010

Effective date: Fall, 2011

SECTION A-IV: NEW COURSE

Department of Political Science

POLS 7740X: Democratization
30 hours plus conference, 3 credits

Examination of the process of democratization. Analysis of historical developments, obstacles to consolidation, implementation of standards, institutional arrangements, and contemporary variations of constitutional rule.

Frequency of offering: Once every two years

Projected enrollment: 25

Rationale: The central concern in comparative politics over the past thirty years has been democratization. For the first time in world history, the vast majority of countries have constitutional and elected governments. But a host of ongoing and entrenched problems – such as corruption, organized crime, institutional weakness, economic uncertainly and party patronage – have trapped most of them in the grey area between transition and consolidation. Understanding this process of democratization, the focus of this class, allows us to develop a common analytical framework and focus to comparatively and more deeply understand politics around the world today.

Date of departmental approval: November 9, 2010

Effective date: Fall, 2011

SECTION A-V: CHANGE IN EXISTING COURSES

Department of Computer and Information Science

Change in title and prerequisite

FROM:

CISC 7220X: ~~Introduction to~~ Computability and Unsolvability
37½ hours plus conference and independent work; 3 credits

Formal systems, propositional and quantification logic, theorem proving, equivalent characterizations of effective computability. Turing machines, recursive functions, and sets. Other notions of Godel, Herbrand, Kleene, Church, Post, and Markov. Classification of unsolvable problems.
Prerequisite: ~~an undergraduate course in formal language theory, automata theory, or computability; or~~ Computer and Information Science ~~7200X [714X] or a course in analysis of algorithms~~.

TO:

CISC 7220X: Computability and Unsolvability
37½ hours plus conference and independent work; 3 credits

Formal systems, propositional and quantification logic, theorem proving, equivalent characterizations of effective computability. Turing machines, recursive functions, and sets. Other notions of Godel, Herbrand, Kleene, Church, Post, and Markov. Classification of unsolvable problems.
Prerequisite: Computer and Information Science <u>7221X</u> or a course in theoretical computer science.

Rationale: CISC 7221X is a new course that will survey a broad range of theoretical computer science and cover new areas that post-date the material in CISC 7220X. Students will be required to take this course before optionally delving into the material in CISC 7220X where particular topics will be covered in more detail.

Date of department approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-V: CHANGE IN EXISTING COURSES

Department of Computer and Information Science

Change in prerequisite

FROM:

CISC 7224X: Formal Languages and Automata Theory
37½ hours plus conference and independent work; 3 credits

Theory of grammars, regular grammars, context-free and context-sensitive grammars, recognizers. Models of computation, finite state machines, pushdown automata, random access stored program machines. Introduction to notions of category theory and its influences.
Prerequisite: ~~an undergraduate course in formal language theory, automata theory, or computability; or~~ Computer and Information Science ~~7200X [714X] or a course in analysis of algorithms~~.

TO:

CISC 7224X: Formal Languages and Automata Theory
37½ hours plus conference and independent work; 3 credits

Theory of grammars, regular grammars, context-free and context-sensitive grammars, recognizers. Models of computation, finite state machines, pushdown automata, random access stored program machines. Introduction to notions of category theory and its influences.
Prerequisite: Computer and Information Science 7221X or a course in theoretical computer science.

Rationale: CISC 7221X is a course that will survey a broad range of theoretical computer science and cover new areas that post-date the material in CISC 7224X. Students will be required to take this course before optionally delving into the material in CISC 7224X where particular topics will be covered in more detail.

Date of departmental approval: March 3, 2011

Effective date: Fall, 2011

SECTION A-V: CHANGE IN AN EXISTING COURSE

Department of Health & Nutrition Sciences

Change in course title and prerequisite

FROM:

HNSC 7171X: ~~Program Planning and Evaluation in Community Health Education~~
45 hours plus conference; 3 credits

~~Continued development and application of community health education program assessment, planning, implementation, and evaluation methods.~~ Critique of existing community health education programs for promoting critical thinking and analytic skills. *Prerequisite:* Health and Nutrition Sciences 7170X [758X].

TO:

HNSC 7171X: Program Evaluation in Community Health
45 hours plus conference; 3 credits

Development and application of program evaluation methods applicable in a range of community health and public health settings. Critique of existing community health education and other health programs for promoting critical thinking and analytic skills. *Prerequisite:* Health and Nutrition Sciences 7170X [758X] OR Health and Nutrition Sciences 7110X.

Rationale: Changing the focus of the course from program planning and evaluation to program evaluation will allow students to develop more in-depth expertise in evaluation, a skill in high demand throughout the health professions. The course will prepare all students to employ evaluation and analytic skills in a broad range of health care and health promotion settings. (For students in the MA Community Health Education program, material on health education program planning will be emphasized in Health and Nutrition Sciences 7170X, a required course for MA students.)

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-V: CHANGE IN EXISTING COURSE

Department of Health and Nutrition Sciences

Change in course prerequisite

FROM:

HNSC 7240X: Assessment Techniques and Nutritional Care
45 hours; 3 credits

Study of the components of nutritional assessment as the initial step in nutrition care process. Emphasis on comparative analysis of dietary intake methods, interpretation of clinical laboratory values, evaluation of anthropometric and body composition methods, retrieval of medical history/physical examination data.
Prerequisite: a course in ~~diet therapy~~.

TO:

HNSC 7240X: Assessment Techniques and Nutritional Care
45 hours; 3 credits

Study of the components of nutritional assessment as the initial step in nutrition care process. Emphasis on comparative analysis of dietary intake methods, interpretation of clinical laboratory values, evaluation of anthropometric and body composition methods, retrieval of medical history/physical examination data.
Prerequisite<u>s</u>: a course in <u>medical nutrition therapy and Health and Nutrition Sciences 7213X</u>.

Rationale: Nutritional Assessment requires background knowledge of the causes, progression and manifestations (i.e. pathophysiology) of the diseases under discussion. Addition of this prerequisite will allow instructors to forgo the use of lecture time to provide this necessary background, thereby increasing the class time for the main subject matter of the course.

Medical nutrition therapy is the term in current usage for nutritional interventions, and is replacing the term diet therapy.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-V: CHANGE IN EXISTING COURSE

Department of Health and Nutrition Sciences

Change in course prerequisite

FROM:

HNSC 7241X: Nutritional Aspects of Disease
45 hours; 3 credits

Changes in requirements and utilization of nutrients; nutritional status of the individual during pathological states. Disease, malnutrition, and environmental pollution assaults on nutrient metabolism. Methodology and interpretation of recent clinical nutrition research.
Prerequisites: a course in ~~diet therapy~~ or permission of the chairperson.

TO:

HNSC 7241X: Nutritional Aspects of Disease
45 hours; 3 credits

Changes in requirements and utilization of nutrients; nutritional status of the individual during pathological states. Disease, malnutrition, and environmental pollution assaults on nutrient metabolism. Methodology and interpretation of recent clinical nutrition research.
Prerequisites: a course in <u>medical nutrition therapy and Health and Nutrition Sciences 7213X</u> or permission of the chairperson.

Rationale: Nutritional Aspects of Disease requires background knowledge of the causes, progression and manifestations (i.e. pathophysiology) of the diseases under discussion. Addition of this prerequisite will allow instructors to forgo the use of lecture time to provide this necessary background, thereby increasing the class time for the main subject matter of the course.

Medical nutrition therapy is the term in current usage for nutritional interventions, and is replacing the term diet therapy.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Political Science

Change in course title, and course description

From:

POLS 7760X: Comparative ~~Public Administration~~
Hours to be arranged, 3 credits

~~Comparative analysis of different bureaucratic structures and processes in industrialized and developing areas of the world~~.
Prerequisites and/or corequisites: None.

To:

POLS 7760X: Comparative Social Policy
Hours to be arranged, 3 credits

Key areas of social policy, such as welfare, healthcare, and education, from a comparative perspective. Spans continents and specific geographical regions. Focus on tensions in social policymaking.
Prerequisites and/or corequisites: None.

Clearances: None

Rationale: This course will provided a much-needed update from the previous focus on administration to a more dynamic, current focus on policy. The updated course examine why social policies, on issues like healthcare, welfare, education, and immigration, differ across nations. It will trace the origins of the American welfare state and the current contours, tensions, and questions surrounding the "American exception" in social policy, e.g., as the only industrialized country without universal healthcare. The course will primarily draw case studies from high-income, industrialized nations like the US, Britain, France, Japan, and Sweden. The course will pay special attention to the ways in which state policies in these nations address issues of equity in their social policies, as well as the ways in which they help to shape popular discourse on who is "deserving" of governmental services.

This course will expand the course offerings of the Department of Political Science by introducing students to the theoretical, conceptual and methodological debates within the fields of Public Policy and Comparative Politics. Presently, most of

the courses in the Comparative Politics section focus on a specific geographic region; this course will help students to examine political economic contexts and apply appropriate analytical lenses to public policies across regions.

Date of departmental approval: November 9, 2010

Effective date: Fall, 2011

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Political Science

Change in course title, and course description

From

POLS 7930X: Research Tutorial
Hours to be arranged; 1 credit

~~A one-credit course for students preparing for or completing their thesis or preparing for the comprehensive exam, designed to provide support for successful completion of these requirements through a focus on political science methodology, analysis, and scholarship.~~
Prerequisite or corequisite: Approval of the graduate deputy and completion of all required course work except the thesis, ~~final project,~~ comprehensive or foreign language examination.

To:

POLS 7930X: Research Tutorial
Hours to be arranged; 1 credit

Practical guidance for students writing Master's Theses in Political Science and International Affairs. Brief introduction to quantitative and qualitative methods employed in these fields. Overview of the process of writing a thesis, including formulating a research question, deciding on a method to collect and analyze information, and developing a credible argument based on logic and evidence. Assistance with goal setting and setting up peer writing groups**.**
Prerequisite or corequisite: Approval of the graduate deputy and completion of all required course work except the thesis, comprehensive or foreign language examination.

Clearances: None

Rationale: This course will expand the course offerings of the Master's Program of the Department of Political Science by providing the guidance in terms of method and process for graduate students writing a Master's Thesis. Presently, there is no course introducing students to the research process and only a few students take a course on statistics. This course will provide the necessary background so that students can advance through the thesis process much more quickly and produce more persuasive theses. Students must have a research proposal accepted by the department and an

advisor before taking this course.
As outlined in the department's 2007 Assessment Plan, this course will build on the department's goals to teach students to "explain political phenomena critically and logically" (goal #1), and to "explain contemporary political issues through multiple theoretical lenses" (goal #2). The course assignments will also help students develop and enhance the skills necessary to "identify and summarize the main arguments of scholarly sources" (goal #6), to "assess the credibility of competing arguments" (goal #7), to "use quotations, paraphrases, and appropriate documentation" (goal #8), to "advance a compelling argument" (goal #9); and "to craft arguments using supportive evidence appropriate to social science" (goal #10).

Date of departmental approval: March 3, 2011

Effective date: Fall, 2011

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Political Science

Change in course description and prerequisites

From:

POLS 7940X: Independent Study
Hours to be arranged; 3 credits

~~Study of a selected topic in political science developed by the student and a faculty advisor, with a set of readings, written assignments, and regular meetings.~~

~~Prerequisite: at least 21 credits completed and permission of the deputy chairperson.~~

To:

POLS 7940X: Independent Study
Hours to be arranged; 3 credits

Study of a selected topic in political science developed by the a group of 3 – 6 students and a faculty advisor, with a set of readings, written assignments, and regular meetings.

Prerequisite: at least 21 credits completed and Submission of a course syllabus and permission of the deputy chairperson.

Rationale: Since much of the value in independent studies courses derives from collaborative work and learning among the students, we would like the independent studies course to require a group of students instead of just one. For a student who wishes to pursue a topic on her own, the thesis is the better option.

Date of departmental approval: November 9, 2010

Effective date: Fall, 2011

SECTION A-V: CHANGES IN AN EXISTING COURSE

Department of Psychology

Change in course description

FROM:

PSYC 7591G: Mental Health Counseling Internship I
90 hours; 6 credits

A term (at least 300 hours) of supervised internship in a mental health work setting similar to that in which the student expects to work as a counselor. Interns are expected to perform a full range of mental health counseling functions supervised by college and site personnel.
Prerequisite: permission of chairperson; completion of Psychology 7442G and 7443G.

TO:

PSYC 7591G: Mental Health Counseling Internship I
90 hours; 6 credits

A term (at least 300 hours, including at least 120 direct service counseling hours) of supervised internship in a mental health work setting similar to that in which the student expects to work as a counselor. Interns are expected to perform a full range of mental health counseling functions supervised by college and site personnel.

For Psychology 7591G and 7592G, interns must complete the two terms of internship at a single (the same) site for both courses or, if this is not possible, no fewer than 7 consecutive months and 450 hours, including 180 direct service counseling hours, at a single (either the original or a new) site in conformity with procedures adopted by the department.

Prerequisite: permission of chairperson; completion of Psychology 7442G and 7443G.

Rationale: This course description change is required to implement appropriate internship standards by reference in Bulletin descriptions of internship courses in accord with mental health counseling professional principles. Duration and involvement at a single site must be sufficient to provide a long-term internship experience that gives the intern the opportunity for sufficient clinical experience in longer-term work with some clients over an approximately half-year period and a supervisory relationship of

sufficient duration to establish trust and at least begin to work through deeper issues that usually can only emerge in this context.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-V: CHANGES IN AN EXISTING COURSE

Department of Psychology

Change in course description

FROM:

PSYC 7592G: Mental Health Counseling Internship II
90 hours; 6 credits

A term (at least 300 hours) of supervised internship in a mental health work setting similar to that in which the student expects to work as a counselor. Interns are expected to perform a full range of mental health counseling functions supervised by college and site personnel.
Prerequisite: permission of chairperson; completion of Psychology 7591G Mental Health Counseling Internship I.

TO:

PSYC 7592G: Mental Health Counseling Internship II
90 hours; 6 credits

A term (at least 300 hours, including at least 120 direct service counseling hours) of supervised internship in a mental health work setting similar to that in which the student expects to work as a counselor. Interns are expected to perform a full range of mental health counseling functions supervised by college and site personnel.

For Psychology 7591G and 7592G, interns must complete the two terms of internship at a single (the same) site for both courses or, if this is not possible, no fewer than 7 consecutive months and 450 hours, including 180 direct service counseling hours, at a single (either the original or a new) site in conformity with procedures adopted by the department.

Prerequisite: permission of chairperson; completion of Psychology 7591G Mental Health Counseling Internship I.

Rationale: This course description change is required to implement appropriate internship standards by reference in Bulletin descriptions of internship courses in accord with mental health counseling professional principles. Duration and involvement at a single site must be sufficient to provide a long-term internship experience that gives the intern the opportunity for sufficient clinical experience in longer-term work with some clients over an approximately half-year period and a supervisory relationship of

sufficient duration to establish trust and at least begin to work through deeper issues that usually can only emerge in this context.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Theater

Changes in course descriptions and co-requisites

FROM:

THEA 7321X: Acting I: Acting with Imagination
60 hours; 3 credits

Development of self-awareness, imagination, space, and environment. Working with improvisational exercises, actors will focus on freeing the imagination, spontaneity, and the "art of doing," or actions/objectives and obstacles. ~~Students~~ will explore the journey of the play script, ~~develop techniques and tools that facilitate script analysis, define character, and analyze the relation of each character to the spine of the play~~. Fall term.

Prerequisite: Matriculation for the M.F.A. in theater with a concentration in acting ~~or audition~~.

TO:

THEA 7321X: Acting I: Acting with Imagination
60 hours; 3 credits

Development of self-awareness, imagination, space, and environment. Working with improvisational exercises, actors will focus on freeing the imagination, spontaneity, and the "art of doing," or actions/objectives and obstacles. <u>They</u> will explore the journey of the play script <u>through scene work, applying techniques from Theater 7360X The Energized Self: Applied Kinetics and Analytic Techniques for the Actor</u>. Fall term.

Prerequisite: Matriculation for the M.F.A. in theater with a concentration in acting.
<u>*Co-requisite:* Theater 7360.X The Energized Self: Applied Kinetics and Analytic Techniques for the Actor.</u>

Rationale: THEA 7321 and THEA 7360 are two basic first-semester courses that unify the pedagogy of the incoming actor. THEA 7321 focuses on the application of the techniques introduced in THEA 7360 to scene work.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Theater

Changes in course description

FROM:

THEA 7360X: The Energized Self: Applied Kinetics and Analytic Techniques for the Actor
60 hours; 3 credits

In this course students will expand their sensory perception through a practical exploration of kinetics~~, the branch of physics concerned with the motion of bodies in relation to forces acting on them~~. To complement their expansion of physical awareness and being, students will also explore the journey of the playscript by developing techniques and tools that facilitate script analysis, define character, and clarify the relationship of each character to the spine of the play.

Prerequisite: Matriculation for the M.F.A. in Theater with a concentration in acting or directing.

TO:

THEA 7360X: The Energized Self: Applied Kinetics and Analytic Techniques for the Actor
60 hours; 3 credits

In this course students will expand their sensory perception through a practical exploration of kinetics. To complement their expansion of physical awareness and being, students will also explore the journey of the playscript by developing techniques and tools that facilitate script analysis, define character, and clarify the relationship of each character to the spine of the play.

Prerequisite: Matriculation for the M.F.A. in Theater with a concentration in acting or directing.

Rationale: The change in the course description avoids redundancy with the course material in THEA 7321.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION VI: COURSES RENUMBERING 69

School of Education: School Counseling

EDUC 708.1T (EDUC 7896): Supervised Fieldwork I
EDUC 709.1T (EDUC 7897): Internship I
EDUC 709.2T (EDUC 7898): Internship II
EDUC 775.5T (EDUC 7772): Colloquium in Advanced Educational Administration

School of Education: Early Childhood

EDUC 700.14T (EDUC 7112T): Teacher Function and Analysis of Teacher/Learner Behavioral Interactions
EDUC 702.14T (EDUC 7125T): Seminar in Applied Theory and Research
EDUC 709.1T (EDUC 7123T): Internship I
EDUC 709.2T (EDUC 7124T): Internship II
EDUC 712.2T (EDUC 7118T): Study of School, Community, and Institutions
EDUC 721.05T (EDUC 7126T): Critical Issues in Education: Social Values and Individual Need

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

SECTION A-VI: COURSE WITHDRAWALS

M.P.H. in Community Health
~~**HNSC 7923X: Seminar in Public Health Practices**~~
~~45 hours seminar plus conference; 3 credits~~
~~Analysis of public health work settings. Each student is required to develop a public health practice portfolio. Student draws on internship experiences. Discussion of each student portfolio in progress.~~
~~Prerequisite: Health and Nutrition Sciences 7920X [764.4X].~~

Rationale: This course is inactive (has never been taught). It no longer serves the MPH program goals.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

~~**HNSC 7960X: Master's Paper: Research in Medical Care Costs**~~
~~30 hours plus conference; 3 credits~~
~~Analysis of the recent research on medical care costs. Examination of factors that cause, and of attempts to reduce, the rise in costs. Students will be required to write a master's paper on this topic. Discussions of each student's master's paper in progress. (Not open to students who have completed Health and Nutrition Sciences 7935X [791.2X] or any of the courses numbered 7950X [797.1X] through 7990X [797.9X].)~~
~~Prerequisite: Health and Nutrition Sciences 791X or 7930X [791.1X], and 7940X [791.3X] with a grade of B or higher, and a GPA of 3.00 (B) or better in graduate courses completed to date.~~

Rationale: Withdraw this course which has been inactive for more than five years and is supplanted by 7950X, above.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

~~**HNSC 7970X: Master's Paper: Research on Dilemmas in Health Care**~~
~~30 hours plus conference; 3 credits~~
~~Examination of dilemmas resulting from the practice of the health sciences and medicine. Elucidation of social, legal, and ethical issues for patients, families, practitioners, and society. Students will be required to submit a master's paper on this~~

~~topic. Discussions of each student's master's paper in progress. (Not open to students who have completed Health and Nutrition Sciences 7935X [791.2X] or any of the courses numbered 7950X [797.1X] through 7990X [797.9X].) Prerequisite: Health and Nutrition Sciences 791X or 7930X [791.1X], and 7940X [791.3X] with a grade of B or higher, and a GPA of 3.00 (B) or better in graduate courses completed to date.~~

Rationale: Using the 7950X course as the standard course which follows 7940X is more easily understood by students.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

~~HNSC 7980X: Master's Paper: Research on Issues in Women's Health and Medicine~~
~~30 hours plus conference; 3 credits~~
~~Analysis of research on factors affecting women's health and medical care. An evaluation of women's health as it is affected by social, cultural, political, and economic factors. Students will analyze these issues from medical, legal, and ethical perspectives. Students will be required to write a master's paper on a research topic in women's health. Discussions of each student's master's paper in progress. (Not open to students who are enrolled in or have completed Health and Nutrition Sciences 7935X [791.2X] or any of the courses numbered 7950X [797.1X] through 7990X [797.9X].) Prerequisite: Health and Nutrition Sciences 791X or 7930X [791.1X], and 7940X [791.3X] with a grade of B or higher, and a GPA of 3.00 (B) or better in graduate courses completed to date.~~

Rationale: Withdraw this course which has been inactive for more than five years and is supplanted by 7950X, above.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

~~HNSC 7990X: Master's Paper: Research on Adherence With Health Promotion/Disease Prevention and Treatment Regimens~~
~~30 hours plus conference; 3 credits~~
~~Critical analysis of the recent research on adherence to health-related regimens. Examination of theoretical models and empirical research on adherence. Students will be required to write a master's paper on this topic. Discussions of each student's master's paper in progress. (Not open to students who have completed Health and Nutrition Sciences 7935X [791.2X] or any of the courses numbered 7950X [797.1X]~~

~~through 7990X [797.9X].) Prerequisite: Health and Nutrition Sciences 791X or 7930X [791.1X], and 7940X [791.3X] with a grade of B or higher, and a GPA of 3.00 (B) or better in graduate courses completed to date~~

Rationale: Withdraw this course which has been inactive for more than five years and is supplanted by 7950X, above.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

~~**HNSC 7903X: Internship III**~~
~~90 hours; 3 credits~~
~~Continuation of Health and Nutrition Sciences 7902X [790.2X].~~
~~Prerequisite: Health and Nutrition Sciences 7902X [790.2X] and permission of the chairperson.~~

~~**HNSC 7904X: Internship IV**~~
~~90 hours; 3 credits~~
~~Continuation of Health and Nutrition Sciences 7903X [790.3X].~~
~~Prerequisite: Health and Nutrition Sciences 7903X [790.3X] and permission of the chairperson.~~

Rationale: Withdraw these courses because they have not been active in more than five years. There are two active internship courses in the Graduate Bulletin HNSC 7901 and 7902. Students generally only take 7901X in fulfillment of the MA degree requirements.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

MS Health Teacher (SIMS 661)

~~**7191X: School and Community Health Programs**~~
~~30 hours plus conference; 3 credits~~
~~Analysis of health needs and programs. Survey of services available to students and schools through public and volunteer agencies. Exploration of ways to improve use of facilities and community cooperation for greater protection and promotion of community health. (Not open to students who have completed Health Science 768X.)~~
~~*Prerequisite:* Health and Nutrition Sciences 7110X.~~

~~**7193X: Colloquium on Drug Abuse in Schools**~~
~~30 hours plus conference; 3 credits~~
~~Contemporary theories and practices related to establishing, organizing, administering, and evaluating meaningful drug abuse prevention programs in schools. Discussion of problems and exploration of the role of sensitivity training. Independent projects on drug abuse programs. (Not open to students who have completed Health Science 769.1X.)~~

Rationale: Withdraw these courses since they have not been active in more than five years and will not be offered as the degree will no longer be offered.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

~~**6601X: Biological Basis for Healthful Living**~~
~~30 hours plus conference; 3 credits~~
~~Information from biological and related physical sciences as a foundation for understanding the applied health sciences. Commonly held concepts and misconceptions in light of scientific principles. (Not open to students who have completed Health Science 660.1X.)~~

~~**6650T: Health Sciences in Elementary School**~~
~~30 hours plus conference; 3 credits~~
~~Health concepts. Relationships between well-being and learning. Special problems. Supplementary teaching materials and integration with other curriculum areas. (Not open to students who have completed Health Science 665T.)~~
~~*Prerequisite:* a course in personal and community health.~~

~~**6670X: Drug Education in the School Curriculum**~~
~~30 hours plus conference; 3 credits~~
~~Drug abuse. Responsibility of the teacher, principal, other school personnel in implementing drug abuse prevention programs. Related research summarized and evaluated. (Not open to students who have completed Health Science 667X.)~~

Rationale: These courses are to be withdrawn because they are not appropriate for master's level students and have not been active in more than five years.

Date of departmental approval: March 8, 2011

Effective date: Fall, 2011

APPENDIX: SPECIALTOPICS

The committee has approved the following special topics for the term(s) 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 here are all first offerings.

Conservatory of Music

MUSC 7632G: Building Electronic Musical Instruments
45 hours; 3 credits

Designing, programming, and building electronic music instruments and installations, including both hardware and software. Essentials of electronic circuits, interfacing them with computers, and instrument programming. Applicable to interactive electronic art and theater students, as well as music students.
Prerequisite: MUSC 7372 or PIMA 7741; or permission of instructor.

Frequency of offering: Every other year in the fall semester

Projected enrollment: 15-20 students

Clearances: None.

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, 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.

Date of Departmental Approval: March 15, 2011

Offered first time: Fall, 2011

APPENDIX: SPECIAL TOPICS

The committee has approved the following special topics for the term(s) 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 here are all first offerings.

Department of Psychology

Psychology 7109G: Special Topics in Human Relations Training
45 hours; 3 credits

Workplace Communication in Organizations
Introduction to communication skills and strategies that managers need in today's workplace, including leadership communication, 360 degree communication, facilitating meetings, managing conflict, and identifying personality types to enhance communication effectiveness. Review of techniques for giving and receiving feedback, negotiating, listening, and managing conflict.
Prerequisites: None

Project Enrollment: Approximately 25 students

Clearances: Business, Speech

Rationale: This course will serve as an elective course for students in the Psychology master's program in Industrial and Organizational Psychology and provides an overview of various approaches to communication in organizations that are essential for Human Resource managers. These topics have been identified as being under-addressed in the current program curriculum and will be valuable to students wishing to pursue employment in human resource management.

Date of departmental approval: March 8, 2011

Offered first time: Summer, 2011