

BROOKLYN COLLEGE
OF
THE CITY UNIVERSITY OF NEW YORK
FACULTY COUNCIL

Meeting of November 8, 2011

REVISED

The Committee on Undergraduate Curriculum and Degree Requirements herewith submits its recommendations in Curriculum Document 349.

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

Respectfully submitted,

Herve Queneau (Finance & Business Management)
Doug Schwab (Art)
Jeffrey Suzuki (Mathematics)
Aaron Tenenbaum (Computer & Information Science, Chair)

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

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

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SECTION A-II: CHANGES IN GENERIC REQUIREMENTS

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Additional requirements for a B.S. degree

Candidates for a B.S. degree with a major in biology, chemistry, computer ~~and information science~~ and multimedia computing (including computational mathematics and multimedia computing), earth and environmental sciences, physics or psychology must complete at least 60 credits in science and mathematics; 24 of these 60 credits must be completed in advanced courses in the major department or Departments. These 24 credits must be completed at Brooklyn College with a Grade of C- or higher in each course departments of Biology, Chemistry, Earth and Environmental Sciences, Mathematics and Psychology) or with a grade of C or higher in each course (departments of Computer and Information Science and Physics). Several departments have specific course requirements for a B.S. degree; these requirements are described under each department listing. The following courses may be applied toward the 60 credits in science and mathematics: all courses in the departments of Biology, Chemistry, Computer and Information Science, Earth and Environmental Sciences, Mathematics, Physics and Psychology; courses marked with a (•) symbol in the Department of Health and Nutrition Sciences; Anthropology and Archaeology 2200 ~~2204~~, 3199, 3230, 3240, 3250, 3260, 3265, 3266, 3425, 3440, 3470 and 4665; Core Studies 5, 5.1, 5.2, 7.1, 7.2, 8.1 and 8.2; Core Curriculum 1300 through 1399 and 3301 through 3399; Economics 3400, 3410, 4410 and 4422; Philosophy 3203, 3204, 3231, 3232, 3422, 3423, and 3601, 3605, and 3610; Physical Education and Exercise Science 3023, 3271, 3275, 3281, 3285, 4229 and 4251; and Sociology 2701.

Rationale: The change reflects the change in the name of the computer and information science major to computer science and the addition of the multimedia computing major in the Department of Computer and Information Science. There is also an update to qualifying Anthropology and Archaeology, Philosophy, and Physical Education courses due to added courses and a number change.

Date of Curriculum Committee approval: October 25, 2011

Effective date: Fall 2012

SECTION A-III CHANGES IN DEGREE REQUIREMENTS

Department of Computer and Information Science (department-wide requirements for three separate degree programs)

B.S. Program in Computational Mathematics

HEGIS code 1701; SED program code 02067

B.S. Program in Computer Science

HEGIS code 0701; SED program code 01991

B.S. Program in Multimedia Computing

HEGIS code 0799; SED program code 31604

Additional requirements for a B.S. degree

Candidates for a B.S. degree with a major in computer and information science (including computational mathematics and multimedia computing) must complete at least 60 credits in science and mathematics; 24 of these 60 credits must be completed in advanced courses in the Department of Computer and Information Science. For the B.S. degree in computational mathematics, these 24 credits must be in the Department of Computer and Information Science and/or the Department of Mathematics. These 24 credits must be completed at Brooklyn College with a grade of C or higher in each course. Specific course requirements for a B.S. degrees in the department are described below ~~above~~. The following courses may be applied toward the 60 credits in science and mathematics:

A) All courses in the departments of biology, chemistry, computer and information science, geology, mathematics, physics, and psychology.

B) Courses marked with a dot (•) in the Department of Health and Nutrition Sciences.

C) Anthropology and Archaeology 2200 ~~2204~~, 3199, 3230, 3240, 3250, 3260, 3265, 3266, 3425, 3440, 3470 and 4665.

Core Studies 5, 5.1, 5.2, 7.1, 7.2, 8.1 and 8.2, ~~5~~, Core Curriculum 1300 through 1399, Core Curriculum 3301 through 3399.

Economics 3400, 4410, 3410, 4422.

Philosophy 3203, 3204, 3231, 3232, 3422, 3423, and 3601, 3605, and 3610.

Physical Education and Exercise Science 3023, 3271, 3275, 3281, 3285, 4229 and 4251.

Sociology 2701.

Rationale: The change reflects the change in the name of the major in computer and information science to a major in computer science and the addition of the multimedia computing major in the Department of Computer and Information Science. It also adds the old science Core Studies courses and some new Anthropology, Philosophy, and Physical Education courses as science courses that count towards the B.S. degree, in consonance with Section A-II above.

Date of departmental approval: October 11, 2011

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Effective date: Fall 2012.

A-III CHANGES IN DEGREE PROGRAMS

Department of Computer and Information Science Department of Finance and Business Management

B.S. degree program in information systems

HEGIS code 0702; SED program code 32153

Degree Requirements (62-65 credits)

All of the following: Computer and Information Science 1110 or 1180, 3110, 3120, 3130, 3810, 4900 or 5001.

Students unfamiliar with PC application software (word processing, spreadsheet software, database management software, and presentation software) should also complete Computer and Information Science 1050. Knowledge of such software is prerequisite for Computer and Information Science 3810.

Two courses chosen from the following: Computer and Information Science 3800, 3140, 3150, 3171, 3410, 3820, 3340, 3345.

With permission of the chairperson of the Department of Computer and Information Science, the student may substitute one of the following courses for any course in this requirement: Computer and Information Science 3220, 3160, 3320, 3310, 3630.

Computer and Information Science 2820W or Philosophy 3318W.

Business 3420 or Computer and Information Science 1590.

Business 3430 or Computer and Information Science 2531.

One of the following: Business 3120, or Computer and Information Science 1530,
Business 2432, Computer and Information Science 2532.

Business 4202W or Computer and Information Science 1580W.

Economics 2100 or Business 2100.

Economics 2200 or Business 2200.

Business 3200 and 3310

Accounting 2001.

Business 3400 or Economics 3400 or Mathematics 2501 or 3501 or Psychology 3400.

Business 3410 or Economics 3410 or Mathematics 1201.

24 credits must be completed in advanced courses in the Departments of Accounting, Computer and Information Science, Economics and/or Finance and Business Management. These 24 credits must be completed at Brooklyn College with a grade of C or higher in each course.

Rationale: The added requirement applies to other majors in the Department of Computer and Information Science, and insures appropriate residency and achievement for graduates of the program.

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Date of departmental approval:

Department of Computer and Information Science: October 12, 2011

Department of Finance and Business Management: September 6, 2011

Effective Date: Fall 2012

Section A-III: CHANGES IN DEGREE PROGRAM
Department of Finance and Business Management

B.B.A. degree program in business administration
HEGIS Code 0506, SED Program Code 30604

A. Department requirements (56 – 64 credits)

Business Core (44 - 46 credits)
Students must complete all of the following:

Accounting 2001, Accounting 3201, Computer and Information Science 1050 or Computer and Information Science 1110, Business 2100 or Economics 2100, Business 2200 or Economics 2200, Business 3400 or Economics 3400 or Mathematics 2501 or Mathematics 3501 or Psychology 3400, Business 3410 or Economics 3410 or Mathematics 1201, Business 3430 or CISC 2531, Business 3100, Business 3200, Business 3310, Business 3170, Business 4200W, Philosophy 3314 or Classics 3233

Concentration (12- 18 credits)
Students must complete a minimum of 12 credits in one of the following ~~seven~~ eight concentrations:

Business for Health Professions

Required Courses (15 credits): Any 15 credits from any combination of the following courses:

Any Biology or Chemistry courses except for courses in the college-wide Core Curriculum,
Health and Nutrition Sciences 2111, 2120, 2300, 2301, 3160, 3210,
Physical Education and Exercise Science 3041, 3042, 3045, 3271, 3275, 3281, 3285,
4251,
Psychology 2600, 3180, 3600, 3680.

A student specializing in this track may modify the Business Core above and may use a lesser number of credits to satisfy the Business Core. Specifically, Business 3170 and either Business 3430 or Computer and Information Science 2531 are not required. The student may also substitute Business 3220 for Accounting 3201.

Business Law and Real Estate

Required Courses (15 – 16 credits): Accounting 4201, Business 2300, Business 3220, Business 3350, and Business 3360 or Accounting 3360 or Business 3182 or Philosophy 3740 or Accounting 3101.

E-Business

Required Courses (15 credits): Business 3110 or Computer and Information Science 1597 or Television and Radio 3537; Business 3120 or Computer and Information

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Science 1530; Business 3420 or Computer and Information Science 1590; Business 3432 or Computer and Information Science 2532; and Business 3440 or Computer and Information Science 1595.

A student specializing in this track may modify the Business Core above and should take Business 4202W or Computer and Information Science 1580W in lieu of Business 4200W; and may take Computer and Information Science 2820W or Philosophy 3318W in lieu of Philosophy 3314 or Classics 3233. Business 4200W will only be acceptable for students in this track with the permission of the deputy. Students may also substitute Computer and Information Sciences 1600 for Business 3170.

Finance and Investments

Required Courses (18 credits): Business 3320 or Economics 3320, Business 3330, Business 3340 or Business 4400W or Economics 4400W, Business 2300, Business 3350, Business 4300W

International Business

Required Courses (9 credits): Business 3140, Business 3150 or Puerto Rican and Latino Studies 4515, Business 3175

Elective Courses (a minimum of 3 credits): ~~Africana Studies 3140, Africana Studies 3340,~~ Business 3171, Business 3245, Business 3250 or Women's Studies 3345, Economics 3352, Economics 3362, Sociology 2601, Political Science 3242, Puerto Rican and Latino Studies 4505, Anthropology 3520 or Puerto Rican and Latino Studies 3210

Leadership and Human Resource Management

Required Courses (17 credits): Business 3240 or Psychology 3172, Business 3245 or Business 3250 or Women's Studies 3345, Business 3251 or Philosophy 3335 or Business 3252, Business 3220, Business 3210 or Psychology 3171 or Economics 3212, Business 3260

Management

Required Courses (12 credits): Business 3240 or Psychology 3172, Business 3210 or Psychology 3171, Business 3220, Business 3230

Elective Courses (a minimum of 2 credits): Africana Studies 3337, Business 2010, Business 3420 or Computer and Information Science 1590, Business 3250 or Women's Studies 3345, Business 3251 or Philosophy 3335, Business 3252, Business 3260, Business 3440 or Computer and Information Science 1595, Business 3180, Business 4202W or Computer and Information Science 1580W, Economics 3212, Economics 3242, Sociology 3607

Marketing

Required Courses (12 credits): Business 3130 or Television and Radio 2517, Business 3140, Business 3150 or Puerto Rican and Latino Studies 4515 or Business 3160 or

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Business 3180, Business 4100W

Elective Courses (a minimum of 3 credits): Business 3120 or Computer and Information Science 1530, Business 3110 or Computer and Information Science 1597 or TV and Radio 3537, Sociology 2800, Television and Radio 1165, Television and Radio 2519

Writing-Intensive Requirement: Students are required to take at least one writing-intensive course (W course).

Residence Requirement: At least 21 credits of the above courses, including at least one required capstone seminar course, must be completed at Brooklyn College

Rationale: Companies that wish to thrive today must have individuals with expertise in E-Business. Students opting for this concentration take courses in new media, electronic commerce, management information systems, information systems project management, management of new and emerging technologies, and a seminar in computer-assisted management games. Other changes being made correct obvious errors.

Date of department approval: October 11, 2011

Effective date of the change: Fall 2012

SECTION A-IV: NEW COURSES

Department of Art

3151 The Art of Death and Dying in Mexico

3 hours; 3 credits

Examination of visual culture in Mexico, from 2000 B.C.E. to the present, with a focus on death, dying, and the afterlife.

Prerequisite: Core Curriculum 1120 or Art 1050

Frequency of offering: Every 3-4 semesters

Projected enrollment: 25-30 students

Clearances: Puerto Rican and Latino Studies

Rationale: Some of the most popular and prevalent images we associate with Mexico are of skeletons and skulls, realized in the works of artists like José Guadalupe Posada, in Day of the Dead paper-mâché figurines, and in Aztec skull racks and cadaverous masks. Given the myriad visual objects from Mexico that seem to communicate a fascination or fixation with death and dying, it seems appropriate that anthropologist Claudio Lomnitz (2005:23) has asked with respect to Mexico, “Can Death be a national symbol?” This course queries Lomnitz’s question, focusing on the visual and literary culture from pre-colonial times to the present to give a broad overview of Mexico’s focus on death and dying. Topics studied include elaborate burials and burial goods, human sacrifice, the Underworld, apocalyptic imagery, martyrdom, the body of Christ, death and satire, revolutionary death, the Day of the Dead, and La Santa Muerte (Saint Death). We will examine death in relation to the Maya, Zapotecs, and Aztecs in the pre-Columbian period. We will investigate how the arrival of Christianity affected representations and understandings of death in the colonial era. Lastly, we will see how death once again was re-imagined and re-formulated in the post-colonial period (19th & 20th centuries). Death and dying will provide us with a focused lens with which to approach the art and architecture found in Mexico.

This course complements the department’s offerings in Latin American art. It also works to expand upon the strengths of the department’s current courses focused on Western culture by offering a survey of Mexico, a country that is firmly rooted in both Western and non-Western traditions and cultures. Currently, there is increasing scholarly and popular attention to Latin America, and, thus, a course focusing on Mexico allows students the opportunity to know their southern neighbors better.

Departmental goals addressed by the course: Students will:

- (1) “learn to analyze works of art critically from both an historical and an interpretative point of view; in addition, they will gain an understanding of the importance of cultural diversity through exposure to the arts of many different times and places”; and

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(2) “have extensive practice in articulating aesthetic judgments effectively in spoken and written form.”

In addition, this course meets all of the learning objectives of the department. These include having students

- (1) “recognize and analyze theories of art,”
- (2) “Use terms of art historical analysis correctly and be able to apply them to unfamiliar work,”
- (3) “Formulate and defend critical judgments about works of art in the context of classroom discussions and exams,”
- (4) Write clearly and analytically, with papers including precise thesis statements, well-constructed arguments and thoughtful conclusions, cleanly written and error-free,” and
- (5) “Visit museums and art exhibitions frequently in order to learn to appreciate a wide and varied range of works of art.”

Date of departmental approval: September 13, 2011

Effective date: Fall 2012

SECTION A-IV: NEW COURSES

Department of Art

3054 Latin American Art, 1492-2000

3 hours; 3 credits

Examination of art and architecture of Latin America from the Conquest to the present.

Prerequisite: Core Curriculum 1120 or Art 1050

Frequency of offering: Every 3-4 semesters

Projected enrollment: 25-30 students

Clearances: Puerto Rican and Latino Studies

Rationale: This class offers a broad introduction to the art, architecture, and visual culture produced in Latin America from the colonial period to the present. The course will begin by examining the introduction and adaptation of European artistic models into the Americas as well as the transformation of American art as a result of the conquest, analyzing a variety of materials and media including urban planning, religious and secular architecture, paintings, sculpture, manuscript drawings, and prints from the colonial period (1492 – *circa* 1820). We will then study materials from the nineteenth century, examining the role of the arts in building independent nations, and from the twentieth and twenty-first centuries, focusing on modern and contemporary art. It relies on primary and secondary sources to introduce students to the historical moment and issues in the field.

This course works in conjunction with the department's courses in Latin American art, especially the pre-colonial courses and colonial arts course. It expands upon the strengths of the department's current courses focused on Western culture by examining the arts of Latin America, which showcases the unique intersection of Western and non-Western cultures and ideas between 1492-2000. Currently, there is increasing scholarly and popular attention to Latin America, and thus a course focusing on the cultures there allows students to engage with themes about cultural contact, hybridity, religious syncretism, race and gender, modernism, and contemporary issues.

Departmental goals addressed by the course: Students will:

- (1) “learn to analyze works of art critically from both an historical and an interpretative point of view; in addition, they will gain an understanding of the importance of cultural diversity through exposure to the arts of many different times and places”; and
- (2) “have extensive practice in articulating aesthetic judgments effectively in spoken and written form.”

In addition, this course meets all of the learning objectives of the department. These include having students

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- (1) “recognize and analyze theories of art,”
- (2) “Use terms of art historical analysis correctly and be able to apply them to unfamiliar work,”
- (3) “Formulate and defend critical judgments about works of art in the context of classroom discussions and exams,”
- (4) Write clearly and analytically, with papers including precise thesis statements, well-constructed arguments and thoughtful conclusions, cleanly written and error-free,” and
- (5) “Visit museums and art exhibitions frequently in order to learn to appreciate a wide and varied range of works of art.”

Date of departmental approval: September 13, 2011

Effective date: Fall 2012

SECTION A-IV: NEW COURSES

Department of Finance and Business Management

BUSN 3311 Advanced Corporate Finance

3 hours; 3 credits

Continues and expands on material taught in Business 3310, Corporate Financial Management. Topics covered include: capital structure, dividend policy, mergers and acquisitions, financial derivatives, behavioral finance, international finance, bankruptcy and corporate restructuring.

Prerequisite: Business 3310

Frequency of offering: Once a year, Spring term

Projected enrollment: 30 students per semester

Clearances: None

Rationale: This second course in corporate finance (the sequel) will build on material taught in Business 3310 and will extend the student's knowledge deeper into the field of corporate financial management. This class will deepen and widen students' knowledge in areas that include capital budgeting for risky projects, tapping capital and money markets, hedging various forms of risk and managing working capital. This class offers important value and will be especially valuable to students pursuing careers in corporate finance, financial analysis and accounting.

Department goals addressed by the course: This course advances the following goals of our business programs:

1. Students will develop knowledge and understanding of corporation financial management and learn how to use theoretical tools to solve business problems. Corporate finance is an important area for business students to master. This will increase the value of the BBA program concentration in finance and investments as well as the B.S. in Business, Management, and Finance (BMF) degree;
2. Students will develop competency in analytical thinking, and problem solving skills;
3. Students will develop competency in written communication and will learn the importance of business ethics in making financial decisions

The BS in Business, Management, and Finance and the BBA programs are interdisciplinary and prepare majors for all types of careers in business while providing students with a strong grounding in the liberal arts. This course fits in with all of these objectives.

Date of Approval by the Department: October 11, 2011

Effective Date: Fall 2012

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SECTION A-IV: NEW COURSE

Department of History

3015 The Rise of Macedon

3 hours, 3 credits

Rise of Macedon, from feudal state to world power. Development of government and society. Political and military developments under Philip II and Alexander the Great. Cultural exchange under Alexander. Focus on archaeological, epigraphic, and literary evidence. Emphasis on research methodologies. This course is the same as Classics 4011.

Prerequisite: English 1012 or permission of the chairperson.

Frequency of offering: Once every other year

Projected enrollment: One section; limit 25 students

Clearance: Obtained from the Department of Classics on account of the cross listing.

Rationale: The Ancient Greeks classified the Macedonians as non-Greek barbarians, practically devoid of culture and sophistication. Yet under Alexander the Great the Macedonians not only conquered much of the known world, but also were celebrated for spreading the elements of Greek culture. This course examines the development of Macedonia, from its Iron Age origins as a feudal state to its consolidation under the early Argead kings to its emergence as a leading world power in the fourth century BCE. The conquests of Alexander the Great further allowed for cultural exchange between the Greeks and other societies, including the Persians, Indians, and Egyptians, which changed the face of the eastern Mediterranean world and ushered in the period known as the Hellenistic era.

Department Goals Addressed by Course: This course addresses three of the Department's goals for students. First, it will help students achieve a simultaneously broad and deep familiarity with the range of surviving Greek and Roman texts and genres, and of the literary, social, historical, material and performance contexts in which these texts were produced and circulated. Second, it will provide them an opportunity to build skills relating to the ability to build cogent and critically rigorous arguments regarding literary texts and cultural issues which respect the complexity and ambiguity frequently characterizing the material. Finally, the course will aid students in describing and analyzing with intellectual rigor the relationship between ancient Greek and Roman and modern Western cultures, in terms of both differences and continuities.

Date of Departmental Approval: December 11, 2007

Effective Date: Fall 2012

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SECTION A-VI: OTHER CHANGES

Department of Biology

Withdrawal of course

~~4023 Biology Topics Workshop: A Virtual Tour of Research Laboratories in Biology~~

~~4 hours laboratory; 2 credits~~

~~Independent exploration of Internet resources under the supervision of a faculty member. Current research topics in top biology laboratories around the world. Preparation for higher-degree studies. Asynchronous use of Internet resources and relevant literature. Preparation of a research proposal in the form of an application to a research laboratory.~~

Rationale: This course will no longer be offered.

Date Approved by the Department: October 18, 2011

Effective Date: Fall 2012

APPENDIX

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

The Special Topics listed below are each a first offering in Spring 2012.

PSYC 3090 Advanced Special Topics in Psychology: Psychology of Gender

MUSC 3493 Special Topics Seminar: History of Sound Art

The Special Topics listed below are each a second offering in Spring 2012.