

BROOKLYN COLLEGE
OF
THE CITY UNIVERSITY OF NEW YORK
FACULTY COUNCIL

Meeting of February 14, 2014

The Committee on Undergraduate Curriculum and Degree Requirements herewith submits its recommendations in Curriculum Document 367.

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Respectfully submitted,

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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-III CHANGES IN DEGREE REQUIREMENTS

Department of Art

Minor in Studio Art

Program requirements (12 18 credits):

Art 2210 and 2211 plus twelve additional credits of in studio art courses. All courses must be completed with a grade of C or higher. Prerequisites for entry to the minor are is Core Curriculum 1120, ARTD 1010 or ARTD 1050. ~~Art 2210 and 2211.~~

Rationale: We wish to bring the minor requirements into alignment with prerequisite changes that we are instituting in the department's studio courses.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-III: CHANGES IN DEGREE REQUIREMENTS

Department of Chemistry

B.A. degree program in chemistry

HEGIS code 1905; NYS SED program code 02082

Program requirements (49-53½ credits)

Chemistry 1100 or Chemistry 1050 and 2050.

All of the following: Chemistry 2100, 3410 or 3415W, 3510 or both 3511 and 3512, 3520 or both 3521 and 3522, 4600 or 4610.

At least five credits chosen from the following: Chemistry 2700, 3420, 4530, 4550, 4570, 4571, 4580, 4581, 4620, 4640, 4720, 4760, 4761, either 4780 or 4790; ~~Biology 2073 and 2074 (or Biology 17 and 17.1).~~

One of the following physics sequences, a), or b), or c):

a) Physics 1100 (or Physics 1111 and 1112) and 2100.

b) Physics 1150 and 2150.

c) Physics 1150 and 2100.

The following mathematics sequence:

Mathematics 1201 and 1206

A minimum of 15 credits in advanced courses in chemistry must be completed at Brooklyn College with a grade of C- or higher in each course.

Rationale: The Department of Biology recently revised its course offerings and eliminated Biology 2073 and 2074 from its list of requirements. The courses are inactive at this time. The Curriculum Committee of the Department of Chemistry reviewed course curricula at the time of the revision, and chose not to allow elective credit for current Biology courses. While the same material was covered in other courses under the new curriculum, the Department of Chemistry has re-evaluated the situation and concluded that the level of chemistry incorporated in these courses should not merit elective credit to be applied toward the Chemistry degree.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-III: CHANGES IN DEGREE REQUIREMENTS
Department of Chemistry

B.S. degree program in chemistry

HEGIS code 1905; NYS SED program code 02084

Department requirements (67-70½ credits)

Chemistry 1100 or both Chemistry 1050 and 2050.

All of the following: Chemistry 2100, 3410 or 3415W, 3510 or both 3511 and 3512, 3520 or both 3521 and 3522, 4610, 4620.

At least nine credits chosen from the following: Chemistry 2700, 3420, 4530, 4550, 4570, 4571, 4580, 4581, 4640, 4720, 4760, 4761, either 4780 or 4790; ~~Biology 2073 and 2074 (or Biology 17 and 17.1).~~

One of the following physics sequences a) or b) or c):

- a) Physics 1100 (or Physics 1111 and 1112) and 2100.
- b) Physics 1150 and 2150.
- c) Physics 1150 and 2100.

Computer and Information Science 1110.

One of the following mathematics sequences a) or b):

- a) Mathematics 1201 and 1206 and 2201.
- b) Mathematics 3.20 and 4.20 or 1211 and 2201.

A college-wide minimum of 24 credits in advanced courses in chemistry must be completed at Brooklyn College with a grade of C- or higher in each course.

Additional requirements for a B.S. degree

Candidates for a B.S. degree with a major in chemistry must complete at least 60 credits in science and mathematics; 24 of these 60 credits must be completed in advanced courses in the Chemistry Department. 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. degree are described 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, earth and environmental sciences, mathematics, physics and psychology.

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B) Courses marked with a number sign (#) in the Department of Health and Nutrition Sciences.

C)

- Anthropology and Archaeology 2200, 3199, 3230, 3240, 3250, 3260, 3265, 3266, 3425, 3440, 3470, 4665.
- Core Studies 5, 5.1, 5.2, 7.1, 7.2, 8.1, 8.2.
- Core Curriculum 1300 through 1399.
- Math 1311, Biology 1010, Chemistry 1007, Physics 1331, Earth and Environmental Sciences 1010.
- Core Curriculum 3301 through 3399.
- Economics 3400, 4410, 3410, 4422.
- Philosophy 3203, 3204, 3231, 3232, 3422, 3423, 3601, 3605, 3610.
- Kinesiology 3023, 3271, 3275, 3281, 3285, 4229, 4251.
- Sociology 2701.

Rationale: The Department of Biology recently revised its course offerings and eliminated Biology 2073 and 2074 from its list of requirements. The courses are inactive at this time. The Curriculum Committee of the Department of Chemistry reviewed course curricula at the time of the revision, and chose not to allow elective credit for current Biology courses. While the same material was covered in other courses under the new curriculum, the Department of Chemistry has re-evaluated the situation and concluded that the level of chemistry incorporated in these courses should not merit elective credit to be applied toward the Chemistry degree.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-III: CHANGES IN DEGREE REQUIREMENTS

Department of Chemistry

Minor in Biochemistry

Program requirements (~~49-53½~~ 32 ½ - 37 credits)

~~Biology 2073;~~

Chemistry 1100 or Chemistry 1050 and 2050;

Chemistry 2100;

Chemistry 3410 or 3415W ~~or Biology 2074~~ or Biology 1002;

Chemistry 3510 or both 3511 and 3512; 3520 or both 3521 and 3522; 4570;

Chemistry 4580 or 4581

Rationale: The Department of Biology recently revised its course offerings and eliminated Biology 2073 and 2074 from its list of requirements. The courses are inactive at this time, and are therefore removed from the requirements list.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-III: CHANGES IN DEGREE REQUIREMENTS
Department of Earth and Environmental Sciences

B.S. degree program in earth and environmental science
HEGIS code 1914; NYS SED program code 02092

Department requirements (58½ -60 credits)

All of the following:

a) Earth and environmental sciences 1101, 1201, ~~2200~~, 2200W, 2300, 3100, 3350, 3620, 3675, 3750, 3850, 3855, ~~3400W~~.

b) At least ~~twelve~~ nine additional credits in the following courses: any Earth and environmental sciences courses numbered 1500 or above, which may include up to six credits from the following:

Anthropology 2402, 3440, 3470, 3480, 3250.

Biology 3003, 3082, 3083, 4003, 4080.

Chemistry 2500, 2700, 3410, 3420, 3510, 4610.

Health and Nutrition Sciences 2130.

Physics 3500, 4200.

c) Chemistry 1040, 1100 or its equivalent.

d) Mathematics 1201.

e) Mathematics 1206 or Computer and Information Science 1110 or Earth and Environmental Sciences 3800.

f) Biology 1001 or Physics 1100 or its equivalent or 1150.

All required Earth and environmental sciences courses numbered 1500 or higher must be completed with a grade of C- or higher in each course.

Additional requirements for a B.S. degree

Candidates for a B.S. degree with a major in earth and environmental sciences must complete at least 60 credits in science and mathematics; 24 of these 60 credits must be completed in advanced courses in the Earth and Environmental Sciences Department. 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. degree are described 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

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science, earth and environmental sciences, mathematics, physics and psychology.

B) Courses marked with a number sign (#) in the Department of Health and Nutrition Sciences.

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

D) Core Studies 5, 5.1, 5.2, 7.1, 7.2, 8.1, 8.2. Any courses among Core Curriculum 1300 through 1399 or Core Curriculum 3301 through 3399.

E) Economics 3400, 4410, 3410, 4422.

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

Kinesiology 3023, 3271, 3275, 3281, 3285, 4229, 4251.

Sociology 2701.

Rationale: Over the past 5 years, the curriculum for EES has integrated urban concepts and case studies throughout the curriculum. Accordingly there is no longer a need for a course dedicated to urban geosciences concepts, and so EESC 3400W is being removed from the program requirements. The writing intensive component is being replaced with EESC 2200W which will move the W course to an earlier stage of the program (sophomore) so that we can better develop writing skills through the program as a whole.

The addition of EESC 3620 (Oceanography) as a requirement reflects the department's evolving environmental focus toward marine and coastal issues, and the need to have a foundational course in marine science.

EESC 3855 fills an obvious void in our curriculum, that is, an intensive practical course in marine environmental studies that stresses field experience and quantitative analysis, and which complements the existing field studies course in Earth science (EESC 3850).

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

Section A-III: CHANGES IN DEGREE REQUIREMENTS
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 4101W or Business 4200W, Philosophy 3314 or Classics 3233

Concentration (12- 18 credits)
Students must complete a minimum of 12 credits in one of the following ~~nine~~ 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.

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Consumer and Organizational Behavior

Required Courses (12 credits): Business 3140, Business 3210 or PSYC 3171, Business 3240 or Psychology 3172, Business 3251 or Business 3252.

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 is not required. The student may also substitute Business 3220 for Accounting 3201. With the permission of the deputy, students with knowledge of computer spreadsheets may substitute Business 3378 or Economics 3378 or Business 3260 for Computer and Information Science 1050 or Computer and Information Science 1110.

E-Business

Required Courses (15 credits): Business 3110 or Computer and Information Science 1597 or TV Radio 3537; Business 3120 or Computer and Information 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 or Business 3377; Business 3330; Business 3340 or Business 4400W or Economics 4400W; Business 2300; Business 3350 or Business 3373; Business 4300W or Business 3311.

International Business

Required Courses (9 credits): Business 3140, Business 3150 or Puerto Rican and Latino Studies 4515, Business 3175 or Business 3377

Elective Courses (a minimum of 3 credits): Africana Studies 3140; Business 3171; Business 3178, 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

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Required Courses (17 credits): Business 3240 or Psychology 3172, Business 3021 or 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 3023, 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 TV and Radio 2517, Business 3140, Business 3150 or Puerto Rican and Latino Studies 4515 or Business 3160 or 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, Business 3175, Sociology 2800, TV and Radio 1165, TV and Radio 2519

With permission of the Deputy Chairperson of the Department of Finance and Business Management, the student may substitute an appropriate course to replace one of the above courses for any of the BBA concentrations.

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: Business 3175 (Asian Business) is a valuable alternative for students interested in a BBA with a concentration in marketing. Marketing students should know how to market to countries that include China, Japan, South Korea, and India. All are very important markets.

Date of department approval: December 10, 2013.

Effective date of the change: Fall 2014.

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SECTION A-IV: NEW COURSES

Department of Earth and Environmental Sciences

EESC 3855 Environmental Field Investigation

1 hour lecture, 4 hours supervised field and laboratory work; 3 credits

Supervised field and laboratory work focusing on Jamaica Bay, or other aquatic environment. Hydrographic, chemical, and biological data collections, followed by laboratory analysis and data reduction; presentation of results and final report showing spatial and depth distributions. Expenses approximately \$1000.

Prerequisites: Earth and environmental sciences 1201, 2200, 3100, 3610 or 3620.

Frequency of offering: Every Fall.

Projected enrollment: 15 students

Clearances: None

Rationale: The mission of the department has expanded to include both Earth and environmental science. Although to many in New York City, the aquatic environments seem far removed from everyday experience, New York is indeed a coastal urban center that is strongly connected to the ocean. There are numerous lakes within the City limits. Weather, tides, transportation, fishing, recreational activities, not to mention waste disposal, all are strongly influenced by ocean properties and dynamics. Lakes in the City are a major site of recreational activities, as well as providing an aesthetic quality to urban life.

This course is meant to be a 'capstone' for students in the environmental science track. EESC3850, Field Mapping, is the corresponding course for the earth science track. Students taking this course will be able to apply knowledge gained in EESC3620 (Oceanography) and EESC3610 (Coastal Marine Science) in the real world. All of their book learning will be applied to the actual collection, analysis, and presentation of aquatic data. Like all environmental science courses, aquatic science is 'relentlessly interdisciplinary.'

The course outline is designed to cover three areas. First is how to properly collect water samples and conduct over-the-side operations from a boat. This includes the deployment of sensors for measuring water properties, sampling bottles, use of irradiance sensors to assay the underwater light environment, plankton nets, and bottom grabs. After this, students will learn various analytical methods for the collected samples, including fluorometry, spectrophotometry, nutrient analysis, organism preservation and enumeration, and reduction of optical data. The last part of the course will include graphical display of the results, interpretation of the data by the group, and presentations by students of what they found.

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Department goals addressed by course:

1. Provide a capstone course for the department's environmental science track, with an emphasis on aquatic environments
2. Expand the course offerings of the department to include preparation for
3. Foster interdisciplinary thinking and increase understanding of human influence and dependence on the environment

Date of Departmental Approval: December 10, 2013.

Effective Date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Art

Removal of prerequisite

FROM:

ARTD 2310 Drawing I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Representation of forms and pictorial expression in line, value, and texture. Development in perceptual and creative skills with a variety of drawing materials and techniques. (Not open to students who have completed Art 26.)

~~Prerequisite: Art 25 or 2210 [25.11].~~

TO:

ARTD 2310 Drawing I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Representation of forms and pictorial expression in line, value, and texture. Development in perceptual and creative skills with a variety of drawing materials and techniques. (Not open to students who have completed Art 26.)

Rationale: The faculty has found that the current prerequisite, although providing traditionally useful exercises and knowledge, is not necessarily relevant to the assumption of, and participation in, the current aesthetic dialogue of all studio practices.

Requiring this prerequisite selectively inhibits larger departmental enrollments, which impedes the program's potential for growth while curtailing an individual student's progression towards a more richly developed body of work.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Art

Removal of prerequisite

FROM:

ARTD 2410 Painting I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Introduction to techniques of oil or acrylic painting. Development in painting expression, composition, and dynamics of color. (Not open to students who have completed Art 40.1 or 42.1.)

~~Prerequisite: Art 25 or 2210 [25.11].~~

TO:

ARTD 2410 Painting I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Introduction to techniques of oil or acrylic painting. Development in painting expression, composition, and dynamics of color. (Not open to students who have completed Art 40.1 or 42.1.)

Rationale: The faculty has found that the current prerequisite, although providing traditionally useful exercises and knowledge, is not necessarily relevant to the assumption of, and participation in, the current aesthetic dialogue of all studio practices.

Requiring this prerequisite selectively inhibits larger departmental enrollments, which impedes the program's potential for growth while curtailing an individual student's progression towards a more richly developed body of work.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Art

Removal of prerequisite

FROM:

ARTD 2510 Sculpture I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Introduction to creative sculpture practice and techniques; to include plaster and clay. (Not open to students who have completed Art 51.1.)

~~Prerequisite: Art 2211 [25.12] or 27.~~

TO:

ARTD 2510 Sculpture I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Introduction to creative sculpture practice and techniques; to include plaster and clay. (Not open to students who have completed Art 51.1.)

Rationale: The faculty has found that the current prerequisite, although providing traditionally useful exercises and knowledge, is not necessarily relevant to the assumption of, and participation in, the current aesthetic dialogue of all studio practices.

Requiring this prerequisite selectively inhibits larger departmental enrollments, which impedes the program's potential for growth while curtailing an individual student's progression towards a more richly developed body of work.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

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SECTION A-V: CHANGES IN EXISTING COURSES
Department of Art

Removal of prerequisite

FROM:

ARTD 2520 Wood Sculpture I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Sculptural form in wood. Use of hand and machine tools. Development of craftsmanship and structural ingenuity. (Not open to students who have completed Art 54.1.)

~~Prerequisite: Art 2211 [25.12] or 27.~~

TO:

ARTD 2520 Wood Sculpture I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Sculptural form in wood. Use of hand and machine tools. Development of craftsmanship and structural ingenuity. (Not open to students who have completed Art 54.1.)

Rationale: The faculty has found that the current prerequisite, although providing traditionally useful exercises and knowledge, is not necessarily relevant to the assumption of, and participation in, the current aesthetic dialogue of all studio practices

Requiring this prerequisite selectively inhibits larger departmental enrollments, which impedes the program's potential for growth while curtailing an individual student's progression towards a more richly developed body of work.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Art

Removal of prerequisite

FROM:

ARTD 2530 Metal Sculpture I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Exploration of form and space using the special characteristics of metal. Methods of joining and forming. (Not open to students who have completed Art 55.1.)

~~Prerequisite: Art 2211 [25.12] or 27.~~

TO:

ARTD 2530 Metal Sculpture I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Exploration of form and space using the special characteristics of metal. Methods of joining and forming. (Not open to students who have completed Art 55.1.)

Rationale: The faculty has found that the current prerequisite, although providing traditionally useful exercises and knowledge, is not necessarily relevant to the assumption of, and participation in, the current aesthetic dialogue of all studio practices.

Requiring this prerequisite selectively inhibits larger departmental enrollments, which impedes the program's potential for growth while curtailing an individual student's progression towards a more richly developed body of work.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Art

Removal of prerequisite

FROM:

ARTD 2540 Ceramics I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Studio practice in techniques and aesthetics of ceramic form, to include pottery design, firing, and glazing methods. (Not open to students who have completed Art 53.1.)

~~Prerequisite: Art 2211 [25.12] or 27.~~

TO:

ARTD 2540 Ceramics I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Studio practice in techniques and aesthetics of ceramic form, to include pottery design, firing, and glazing methods. (Not open to students who have completed Art 53.1.)

Rationale: The faculty has found that the current prerequisite, although providing traditionally useful exercises and knowledge, is not necessarily relevant to the assumption of, and participation in, the current aesthetic dialogue of all studio practices.

Requiring this prerequisite selectively inhibits larger departmental enrollments, which impedes the program's potential for growth while curtailing an individual student's progression towards a more richly developed body of work.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES
Department of Art

Removal of prerequisite

FROM:

ARTD 2610 Printmaking: Relief and Woodcut

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Creative development of visual form using relief and planographic techniques of monoprint, linoleum, and woodcut. (Not open to students who have completed Art 67.1.)
~~Prerequisite: Art 25 or 2210 [25.11].~~

TO:

ARTD 2610 Printmaking: Relief and Woodcut

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Creative development of visual form using relief and planographic techniques of monoprint, linoleum, and woodcut. (Not open to students who have completed Art 67.1.)

Rationale: The faculty has found that the current prerequisite, although providing traditionally useful exercises and knowledge, is not necessarily relevant to the assumption of, and participation in, the current aesthetic dialogue of all studio practices.

Requiring this prerequisite selectively inhibits larger departmental enrollments, which impedes the program's potential for growth while curtailing an individual student's progression towards a more richly developed body of work.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES
Department of Art

Removal of prerequisite

FROM:

ARTD 2630 Printmaking: Etching I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Creative development of visual form using all etching techniques. (Not open to students who have completed Art 66.)

~~Prerequisite: Art 2210 [25.11] or 26.~~

TO:

ARTD 2630 Printmaking: Etching I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Creative development of visual form using all etching techniques. (Not open to students who have completed Art 66.)

Rationale: The faculty has found that the current prerequisite, although providing traditionally useful exercises and knowledge, is not necessarily relevant to the assumption of, and participation in, the current aesthetic dialogue of all studio practices.

Requiring this prerequisite selectively inhibits larger departmental enrollments, which impedes the program's potential for growth while curtailing an individual student's progression towards a more richly developed body of work.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Art

Removal of prerequisite

FROM:

ARTD 2640 Screenprinting

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Screenprinting using water-based inks. Investigation of the use of photo and other stencil resist techniques. Exploration of the use of color, multi-screen techniques, and experimental applications.

~~Prerequisite: Art 2210~~

TO:

ARTD 2640 Screenprinting

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Screenprinting using water-based inks. Investigation of the use of photo and other stencil resist techniques. Exploration of the use of color, multi-screen techniques, and experimental applications.

Rationale: The faculty has found that the current prerequisite, although providing traditionally useful exercises and knowledge, is not necessarily relevant to the assumption of, and participation in, the current aesthetic dialogue of all studio practices.

Requiring this prerequisite selectively inhibits larger departmental enrollments, which impedes the program's potential for growth while curtailing an individual student's progression towards a more richly developed body of work.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Art

Removal of prerequisite

FROM:

ARTD 2710 Photography I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Photography as a creative art. Use of camera. Exposure, developing, and printing. Students must supply their own cameras. (Not open to students who have completed Art 45.1.)

~~Prerequisite: Art 25 or 2210 [25.11].~~

TO:

ARTD 2710 Photography I

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Photography as a creative art. Use of camera. Exposure, developing, and printing. Students must supply their own cameras. (Not open to students who have completed Art 45.1.)

Rationale: The faculty has found that the current prerequisite, although providing traditionally useful exercises and knowledge, is not necessarily relevant to the assumption of, and participation in, the current aesthetic dialogue of all studio practices.

Requiring this prerequisite selectively inhibits larger departmental enrollments, which impedes the program's potential for growth while curtailing an individual student's progression towards a more richly developed body of work.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Art

Removal of prerequisite

FROM:

ARTD 2811 Introduction to Digital Art

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Introduction to digital art and design techniques including page layout and illustration. Scanning, manipulation, and printing hardware and software. Exploration of the role of digital techniques in the creative process.

~~Prerequisite: Art 2210.~~

TO:

ARTD 2811 Introduction to Digital Art

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Introduction to digital art and design techniques including page layout and illustration. Scanning, manipulation, and printing hardware and software. Exploration of the role of digital techniques in the creative process.

Rationale: The faculty has found that the current prerequisite, although providing traditionally useful exercises and knowledge, is not necessarily relevant to the assumption of, and participation in, the current aesthetic dialogue of all studio practices.

Requiring this prerequisite selectively inhibits larger departmental enrollments, which impedes the program's potential for growth while curtailing an individual student's progression towards a more richly developed body of work.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES
Department of Art

Removal of prerequisite

FROM:

ARTD 3450 Workshop in New Materials

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Creative and technical experimentation with a variety of non- traditional materials for selected workshop projects. (Not open to students who have completed Art 43.)

~~Prerequisite: Art 2210 [25.11] or 26; and 2511 [25.12] or 27.~~

TO:

ARTD 3450 Workshop in New Materials

1 hour recitation, 1 hour lecture, 2 hours laboratory, a minimum of 4 hours independent work; 3 credits

Creative and technical experimentation with a variety of non- traditional materials for selected workshop projects. (Not open to students who have completed Art 43.)

Rationale: The faculty has found that the current prerequisite, although providing traditionally useful exercises and knowledge, is not necessarily relevant to the assumption of, and participation in, the current aesthetic dialogue of all studio practices.

Requiring this prerequisite selectively inhibits larger departmental enrollments, which impedes the program's potential for growth while curtailing an individual student's progression towards a more richly developed body of work.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Chemistry

Change in corequisite

FROM:

CHEM 4571 Biochemistry I Lectures

3 hours recitation; 3 credits

This course is the same as Chemistry 4570, but without laboratory work. (Not open to students who are enrolled in or have completed 4570.)

Prerequisite: Chemistry 3520 or both 3521 and 3522.

TO:

CHEM 4571 Biochemistry I Lectures

3 hours recitation; 3 credits

This course is the same as Chemistry 4570, but without laboratory work. (Not open to students who are enrolled in or have completed 4570.)

Prerequisite or corequisite: Chemistry 3520 or both 3521 and 3522.

Rationale: The department reviewed the curriculum for organic and biochemistry courses, and concluded that students would have sufficient background in organic chemistry to succeed in biochemistry if the second semester were taken as a corequisite.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014

SECTION A-V: CHANGES IN EXISTING COURSES
Department of Earth and Environmental Sciences

Changes in course number, prerequisite and description

FROM:

EESC 2200 Sedimentology

2 hours lecture, 2 hours laboratory; 3 credits

Sediments and sedimentary rocks, their conditions of formation, basis of classifications; environments of deposition; methods of mechanical, chemical, mineralogical, graphical, and statistical analysis. Laboratory work will stress analysis of unconsolidated sediments and sedimentary rocks in hand-sample, and includes one or more field trips. Prerequisite: Earth and environmental sciences 1101 or 1201.

TO:

EESC 2200W Sedimentology

2 hours lecture, 2 hours laboratory; 3 credits

Sediments and sedimentary rocks, their conditions of formation, basis of classifications; environments of deposition; methods of mechanical, chemical, mineralogical, graphical, and statistical analysis. Laboratory work will stress analysis of unconsolidated sediments and sedimentary rocks in hand-sample, and includes one or more field trips. This is a writing-intensive course.

Prerequisite: English 1012 and Earth and environmental sciences 1101 or 1201.

Rationale: The content area of the prior W course for EES had become redundant and so has been withdrawn. EESC 2200W is the course that will now fulfill our department's W requirement. This is a sophomore course and so will give our majors early guidance on professional writing that can be reinforced through the remaining two years of the program.

Date of departmental approval: December 10, 2013.

Approval by WAC Committee: March 28, 2013.

Effective date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Film

Change in course title

FROM:

FILM 3300W The ~~Qualifying~~ Film: Screenplay

4 hours; 3 credits

Workshop in writing short screenplays intended for production in Film 3200. Writing-intensive course.

Prerequisite: Film *1101, 1201, 1301; English 1012.

Prerequisite or corequisites: Film 2501, 2401, 2601, 2701.

TO:

FILM 3300W The Thesis Film: Screenplay

4 hours; 3 credits

Workshop in writing short screenplays intended for production in Film 3200. Writing-intensive course.

Prerequisite: Film *1101, 1201, 1301; English 1012.

Prerequisite or corequisites: Film 2501, 2401, 2601, 2701.

Rationale: Change to the title of Film 3300W more accurately reflects the nature of the capstone project in the production concentration in the Department of Film.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES
Department of Film

Change in title and course description

FROM:

FILM 3200 The Qualifying Film: Production

2 hours lecture; 2 hours laboratory; 3 credits

Production of a short, ~~intermediate~~-level synchronized sound film from development and preproduction through principal photography. Students work on individual projects, taking turns performing different roles in a film crew.

Prerequisite: Film *1101, 1201, 2501, 2401, 3300W, 2601, 2701, and 1301.

TO:

FILM 3200 The Thesis Film: Production

2 hours lecture; 2 hours laboratory; 3 credits

Production of a short, advanced-level synchronized sound film from development and preproduction through principal photography. Students work on individual projects, taking turns performing different roles in a film crew.

Prerequisite: Film *1101, 1201, 2501, 2401, 3300W, 2601, 2701, and 1301.

Rationale: Changes to the title and description of Film 3200 more accurately reflect the nature of the capstone project in the production concentration in the Department of Film.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES
Department of Film

Change in title and course description

FROM:

FILM 3700 The ~~Qualifying~~ Film: Postproduction

2 hours lecture; 2 hours laboratory; 3 credits

Hands-on postproduction workshop enabling the student to complete the short, ~~intermediate~~-level, synchronized sound film begun in Film 3200.

Prerequisite: Film *1101, 1201, 2501, 2401, 3300W, 3200, 2601, 2701, and 1301.

TO:

FILM 3700 The Thesis Film: Postproduction

2 hours lecture; 2 hours laboratory; 3 credits

Hands-on postproduction workshop enabling the student to complete the short, advanced-level, synchronized sound film begun in Film 3200.

Prerequisite: Film *1101, 1201, 2501, 2401, 3300W, 3200, 2601, 2701, and 1301.

Rationale: Changes to the title and description of Film 3700 more accurately reflect the nature of the capstone project in the production concentration in the Department of Film.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

SECTION A-V: CHANGES IN EXISTING COURSES
Department of Finance and Business Management

Changes in prerequisites

FROM:

BUSN 3175 Asian Business

3 hours; 3 credits

Introduction and overview of the business environment in the Asia-Pacific region: China, Japan, Korea, Taiwan, and the ASEAN nations. Researching and entering Asian markets, Asian management theory and practice, the Asian financial crisis, identification and evaluation of risks and opportunities in Asian markets, problems faced by international firms in doing business in Asia. Designing international business in light of historical, economic, technological, political, and socio-cultural environments. Prerequisite: Economics 2100 or Business 3200 or 3100. Juniors and seniors not majoring in accounting; business, management, and finance; or economics may take this course without any prerequisites.

TO:

BUSN 3175 Asian Business

3 hours; 3 credits

Introduction and overview of the business environment in the Asia-Pacific region: China, Japan, Korea, Taiwan, and the ASEAN nations. Researching and entering Asian markets, Asian management theory and practice, the Asian financial crisis, identification and evaluation of risks and opportunities in Asian markets, problems faced by international firms in doing business in Asia. Designing international business in light of historical, economic, technological, political, and socio-cultural environments. Prerequisite: Economics 2100 or Business 3200 or 3100. Students majoring in business are recommended to take Business 3170 before taking this class. Juniors and seniors not majoring in accounting; business, management, and finance; or economics may take this course without any prerequisites.

Rationale: Business students, who are required to take international business (BUSN 3170) as part of the business core, will benefit more from the course if they first take the international business course and then Asian Business.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

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

SECTION A-V: CHANGES IN EXISTING COURSES

Department of Health and Nutrition Sciences

Changes in prerequisites

FROM:

HNSC #4300 Organization, Administration, and Supervision of Health Services

3 hours; 3 credits

Increasing demands for health services; determinants of health policy making; utilization of health care resources; health expenditures in the total economy; structuring health care systems; quality controls of services.

Prerequisite: Health and Nutrition Sciences 2109 or 2140

Prerequisite or corequisite: 4230

TO:

HNSC #4300 Organization, Administration, and Supervision of Health Services

3 hours; 3 credits

Increasing demands for health services; determinants of health policy making; utilization of health care resources; health expenditures in the total economy; structuring health care systems; quality controls of services.

Prerequisite: For those pursuing the B.A. degree program in health and nutrition sciences or for those pursuing the B.S. degree program in health and nutrition sciences with a concentration in health science: Health and nutrition sciences 2109W or 2140

Prerequisite or corequisite: For those pursuing the B.S. degree program in health and nutrition sciences with a concentration in foods and nutrition: Health and nutrition sciences 4230

Rationale: We have revised the pre-requisites to be clear with regard to our two different academic concentrations and different degrees (BS vs. BA). The old description was unclear.

Date of Department Approval: December 10, 2013.

Effective Date: Fall 2014.

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

SECTION A-V: CHANGE IN EXISTING COURSES

Department of Sociology

Change in course title and description

FROM:

SOCI 2701 Sociology of Science

3 hours; 3 credits

Cultures of science. Development of scientific ideas. Social context for scientific work. ~~Institutionalization of science.~~ Scientific communications. Resistance and receptivity to science. Science and social change.

Prerequisite: Core Curriculum 1230 with a grade of B- or higher, or Core Studies 3 with a grade of B- or better, or Sociology *1101, or permission of the chairperson.

TO:

SOCI 2701 Sociology of Science and Technology

3 hours; 3 credits

Cultures of science and engineering. Development of scientific ideas. Social context for scientific work and technological innovation. Institutional influences on scientific research agendas and technological development trajectories. Scientific communications. Resistance and receptivity to science and technology. Science, technology and social change.

Prerequisite: Core Curriculum 1230 with a grade of B- or higher, or Core Studies 3 with a grade of B- or better, or Sociology *1101, or permission of the chairperson.

Rationale: The new title and description draw attention to the connections between scientific research and technological innovation in terms of their institutional origins and social impacts. The new title and description more accurately reflect the content of the course as currently taught.

Date of departmental approval: December 10, 2013.

Effective date: Fall 2014.

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

SECTION A-VI: OTHER CHANGES

Department of Earth and Environmental Sciences

Withdrawal of a course

~~EESC 3400W Geological Problems and Opportunities in Urban Areas~~

~~2 hours lecture, 2 hours laboratory; 3 credits~~

~~Geologic aspects of environmental problems and opportunities of urban areas: water supply, waste disposal, construction materials, foundations, ground stability, stream floods, and coastal processes. Geology and urban and regional planning. Geology and the origin, evolution and future of cities. Laboratory work includes the construction and use of observational and judgmental maps. Writing-intensive course.~~

~~Prerequisites: Earth and Environmental Science 1101 or permission of the chairperson, Earth and Environmental Science 1201, English 1012, plus nine credits of Earth and Environmental Science courses numbered 2000 or above.~~

Rationale: Urban issues are now integrated throughout the EES curriculum. Accordingly, this course that was created decades ago has become redundant. EESC 2200W has replaced EESC 3400W as our writing-intensive requirement.

Date of Departmental Approval: December 10, 2013.

Effective Date: Fall 2014.

SECTION A-VI: OTHER CHANGES
Department of Earth and Environmental Sciences

Withdrawal of a course

~~**EESC 3450 Economic Geology and Energy Resources**~~
~~3 hours lecture; 3 credits~~

~~Earth's mineral and energy resources; their occurrence, associations, genesis, recovery, and use.~~

~~Prerequisite: Earth and Environmental Sciences 1101.~~

Rationale: The EES curriculum has been refined such that there are only three elective courses in the BS program. These courses are intended to be upper-level courses that will allow students to focus on more specialized fields within EES. EESC 3450 is a relatively low-level elective (only 1101 as a prereq) that is too broad in its content, and so does not meet our current departmental requirements for an elective course.

Date of Departmental Approval: December 10, 2013.

Effective Date: Fall 2014.

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 2014:

AFST 3390, Special Topics in Society and Economics: *Race, Gender and the Politics of Inequality*

POLS 3501, Special Topics: *Race, Gender and the Politics of Inequality*

POLS 3501, Special Topics: *Writing Politics*

THEA 3002, Special Topics in Theater: *The Broadway Musical in Culture, History, and Context*

WMST 3550, Special Topic in Social Science: *Race, Gender and the Politics of Inequality*