

BROOKLYN COLLEGE
OF
THE CITY UNIVERSITY OF NEW YORK
FACULTY COUNCIL

Meeting of April 3, 2012

The Committee on Undergraduate Curriculum and Degree Requirements herewith submits its recommendations in Curriculum Document 354.

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

Respectfully submitted,

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

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A-III: CHANGES IN DEGREE REQUIREMENTS

Department of Physical Education and Exercise Science

~~Physical Education and Exercise Science~~

~~The Department of Physical Education and Exercise Science offers three degree programs: a bachelor of science in physical education with a focus on adaptive physical education, a bachelor of science in exercise science, and a bachelor of science for physical education teacher (all grades). The department also offers a minor in physical education and in exercise science. The adaptive physical education program prepares students to work with people who are physically, emotionally, or mentally challenged. Students learn how to adapt physical education activities for these special populations. They spend one semester participating and observing behavior in a setting outside the College community. Students in exercise science have many opportunities for practical hands-on experience with laboratory equipment and in testing and measuring in our human physiology labs. This focus area provides a good background for individuals preparing for graduate work in exercise physiology, medicine, physical and occupational therapy, or to become a physician's assistant, or enter other health-related professions. Individuals completing the exercise science program must meet the educational eligibility requirements of the American College of Sports Medicine for certification as a health/fitness instructor, health/fitness director, and preventive and rehabilitative exercise specialist.~~

~~Our undergraduate teacher candidates are required to take a number of education courses and a wide range of sport and physical activity courses in addition to theoretical and exercise science classes. They must also serve as an assistant teacher to one of our faculty members for a semester during their junior year. In their senior year, they must complete two semesters of student teaching, one at the elementary school level and one at secondary school. In collaboration with the School of Education, we design our program in cooperation with the liberal arts and sciences faculties and in consultation with local schools so that our students may develop the knowledge and proficiencies needed to work with New York City's racially, ethnically, and linguistically diverse student population.~~

~~Graduates of our physical education teacher education program are assistant principals in many of the public schools in Brooklyn and make up a large percentage of the faculty in the borough's physical education departments.~~

~~Students who wish to pursue graduate studies may apply to the master's programs offered by this department.~~

The Department of Physical Education and Exercise Science offers three separate undergraduate degree programs:

- Bachelor of Science in Exercise Science
- Bachelor of Science in Physical Education - Teacher Education (all grades)

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

- Bachelor of Science in Physical Education – Adapted Physical Education

The educational programs in the Department have undergone significant revisions with the publication of this bulletin. Students matriculating under earlier bulletins are encouraged to explore their options for either switching to the new requirements specified in the following sections for their respective program or, at the minimum, substituting the new sport and physical activity classes (course sequence 3010-3050) for sport and physical activity classes required in previous bulletins (1000 and 2000 level courses).

Course substitutions or changing to current program requirements from previous program requirements:

Students majoring in any of the Department of Physical Education and Exercise Science's programs may formally petition the Chair (or the Chair's designee) of the department to deviate from the course requirements specified below provided they have a sound and logical reason for making the request. Likewise, the Chair (or the Chair's designee) has the sole authority to approve/grant appropriate course substitutions for students majoring in the department's programs. Students completing comparable courses in earlier years and/or under earlier degree requirements from Brooklyn College or who desire to transfer comparable courses from other accredited colleges/universities may petition the Chair (or the Chair's designee) for approval.

Students having completed Physical Education and Exercise Science 3271 Human Anatomy or Physical Education and Exercise Science 3275 Human Physiology in previous terms at Brooklyn College may substitute these courses automatically for Physical Education and Exercise Science 3281 and Physical Education and Exercise Science 3285. Likewise, students having completed PEES 3281 and/or 3285 in the Summer 2012 term may substitute this course sequence for PEES 3271 and 3275 as required in past bulletins.

Students who are matriculating under previous Brooklyn College Undergraduate Bulletins and who are in partial fulfillment of the sport and physical activity requirements of that earlier program may petition the Chair (or the Chair's designee) to substitute those courses for the new sport and physical activity course sequence (Physical Education and Exercise Science 3010, 3020, 3030, 3040, 3050).

Students who are matriculating under previous Brooklyn College Undergraduate Bulletins and who are required to complete 21 hours of coursework in the Department of Secondary Education may petition the Chair (or the Chair's designee) to substitute Physical Education and Exercise Science 3401, 3402 and 4412 for Secondary Education 3401, 3402, 4406 and 4412, respectively. Students in the Physical Education – Teacher Education program must complete Secondary Education 2001 and 2002.

B.S. degree program in exercise science

HEGIS code 1299.30; SED program code 32345

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

Department requirements (~~57-62 1/2 credits~~)

All of the following:

~~Physical Education 3003, 3004, 3213, 4422, 3271, 3275, 3023, 4229, 4231, 4251, 3075~~

~~Health and Nutrition Sciences 2210~~

~~Psychology 1000. Biology 1080 and 1081~~

~~Chemistry 1100; or 1050 and 2050~~

~~One course chosen from among the following:~~

~~Physical Education 1015, 1018, 1012, 1014, 2112, 2113, 2114, 2123, 2156~~

~~One course chosen from among the following:~~

~~Physical Education 1002, 1003, 1009, 1024, 2122, 2124, 2158~~

~~One course chosen from among the following:~~

~~Physical Education 1026, 1028, 1029~~

~~One course chosen from among the following:~~

~~Physical Education 1022, 1023, 1021, 2171~~

~~Dance 2001, 2002~~

~~One course chosen from among the following in aquatics*:~~

~~Physical Education 1020, 1030, 1040, 1070, 2191, 2192~~

~~* By taking and passing the departmental skill competency test, students can be exempt from taking aquatics.~~

Students in Exercise Science have many opportunities for practical hands-on experience with laboratory equipment and in testing and measuring in our human performance labs. This focus area provides a strong background for individuals preparing for graduate work in exercise physiology, medicine, physical and occupational therapy, or to become a physician's assistant, or enter other health-related professions.

Students should consult with a pre-health professions advisor to ascertain specific courses necessary to meet the requirements for the particular specialty in which they are interested.

Individuals completing the exercise science program will also meet many of the educational eligibility requirements of the American College of Sports Medicine for certification as a health/fitness instructor, health/fitness director, and/or preventive and rehabilitative exercise specialist.

Students must have a minimum overall grade point average of 2.5 to declare a major in Exercise Science. Students must maintain a minimum overall grade point average of 2.5 to remain a major in the program. Exercise Science majors must have a grade point average of 3.0 or greater in required Department of Physical Education and Exercise

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

Science coursework to graduate.

Degree Requirements (60 credits)

All of the following:

Physical Education and Exercise Science 2500, 3000, 3005, 3060, 3150, 3281, 3285, 3290, 3295, 4200W, 4250, 4260, 4400, 4402, 4500, 4510, 4520, 4760.

Health and Nutrition Sciences 2210.

Chemistry 1100.

Physics 1100.

Department honors

To qualify for honors in Physical Education or Exercise Science, a major must maintain a scholastic index of at least 3.50 in all advanced work in the major; and satisfactorily complete the following: PEES 4900 Directed Research in Kinesiology plus honors work in an advanced elective in the department (course to be determined in consultation with sponsoring faculty member and approved by Chair). In addition, the student must have the recommendation of at least 2 faculty members of the Department and a recommendation from and the Chair of the Department of Physical Education and Exercise Science.

Rationale: The faculty of the department determined that in order to meet the contemporary standards of the fields of study offered by the department a major and complete curriculum revision was required to add or delete courses offered. The existing curriculum and many of the courses within it are outdated or obsolete and are based on models no longer being followed by leading programs in the field. It was determined by the faculty therefore that a complete overhaul of the existing curriculum and courses was more efficiently accomplished by deleting/withdrawing all courses currently offered by the department (see Section A-VI of this document) and adding all new courses (see Section A-IV). All new courses offered herein meet the same college goals as the existing courses but do so more effectively and efficiently. Many fewer courses are being added than are being deleted in the proposed changes. The new curricula for the major are also modernized to include the new set of courses and to reflect more modern standards in the field.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

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

A-III: CHANGES IN DEGREE REQUIREMENTS

Department of Physical Education and Exercise Science

B.S. degree program in physical education - adapted physical education

HEGIS code 0835; SED program code 02006

Department requirements (~~46 - 51 1/2 credits, including the departmental core requirements below~~)

Department core requirements

Students must complete the following:

a. ~~Physical Education 3003, 3004, 3213, 3271, 3275, 3023, 4229, 4251, 3075.~~

b. One course in dance chosen from the following:

~~Physical Education 1022, 1023, 1021, 1052, 1053, 1051, 2171~~

~~Dance 2000 series~~

~~Dance 2060 series.~~

c. ~~Competency in aquatics.~~

~~Competency may be demonstrated by either of the following:~~

~~(i) Completion of any aquatics course number 1020 or higher or the equivalent.~~

~~(ii) Successful completion of the departmental swimming test. Consult the department office for application deadlines, test components, and test administration dates. The test is administered only once per semester.~~

d. ~~Competency in gymnastics.~~

~~Competency may be demonstrated by either of the following:~~

~~(i) Completion of Physical Education 2014.~~

~~(ii) Successful completion of the departmental gymnastics test. Consult the department office for application deadlines, test components, and test administration dates. The test is administered only once per semester.~~

~~Focus Area: Adaptive Physical Education (for students who plan to work with people who are physically or mentally challenged)~~

All of the following:

a. ~~Physical Education 4421, 3321, 3322, 3323.~~

b. ~~At least one course selected from Physical Education 3024, 2135, 2136, [37].~~

c. ~~At least two courses selected from Physical Education 2112, 2113, 2114, 2123, 2156, [55].~~

d. ~~At least one course selected from Physical Education 2131, 2122, 2124, 2134, 2171,~~

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~~[33] (if not used to fulfill departmental core dance requirement above), [53, 57.1], 2158.~~

~~e. At least one additional course selected from the Physical Education series 1041-1069 and 1070-1099, 2131, 2112, 2113, 2114, 2122, 2123, 2124, 2134, 2135, 2136, 2138, 2171, 2192, 2156, 2158, [33, 37, 53, 55, 57.1].~~

~~f. Psychology [1], 1000 or [2].~~

Department recommendations:

Health and Nutrition Sciences 1200, 3160; Physical Education 78; Psychology 2210 or 2810; Speech 1114.

The Physical Education – Adapted Physical Education program prepares students to work with people who have a physical or cognitive disability. Students learn how to adapt sport and physical activities for these populations. They spend one semester observing and interning in settings outside the College community. Students completing particular course work in the program may apply to BlazeSports America for recognition as a Certified Disability Sport Specialist (CDSS).

Students must have a minimum overall grade point average of 2.5 to declare a major in Physical Education – Adapted Physical Education. Students must maintain a minimum overall grade point average of 2.5 to remain a major in the program. Likewise, Physical Education – Adaptive Physical Education majors must have a grade point average of 3.0 or greater in required Department of Physical Education coursework to graduate.

Program Requirements (60 credits)

Physical Education and Exercise Science 1120, 2500, 3000, 3005, 3010, 3020, 3030, 3040, 3050, 3060, 3080, 3115, 3150, 3281, 3285, 3290, 3295, 4200W, 4250, 4750.

Competency in swimming.

Competency may be demonstrated by either of the following:

(i) Completion of PEES 1120 Swimming

(ii) Successful completion of the departmental swimming test. Consult the department office for details and dates.

(iii) Current Red Cross certification as a Lifeguard or Water Safety Instructor

Department honors

To qualify for honors in Physical Education or Exercise Science, a major must maintain a scholastic index of at least 3.50 in all advanced work in the major; and satisfactorily complete the following: PEES 4900 Directed Research in Kinesiology plus honors work in an advanced elective in the department (course to be determined in consultation with sponsoring faculty member and approved by Chair). In addition, the student must have the recommendation of at least 2 faculty members of the Department and a recommendation from and the Chair of the Department of Physical Education and

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Exercise Science.

Rationale: The faculty of the department determined that in order to meet the contemporary standards of the fields of study offered by the department a major and complete curriculum revision was required to add or delete courses offered. The existing curriculum and many of the courses within it are outdated or obsolete and are based on models no longer being followed by leading programs in the field. It was determined by the faculty therefore that a complete overhaul of the existing curriculum and courses was more efficiently accomplished by deleting/withdrawing all courses currently offered by the department (see Section A-VI of this document) and adding all new courses (see Section A-IV). All new courses offered herein meet the same college goals as the existing courses but do so more effectively and efficiently. Many fewer courses are being added than are being deleted in the proposed changes. The new curricula for the major are also modernized to include the new set of courses and to reflect more modern standards in the field.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

A-III: CHANGES IN DEGREE REQUIREMENTS

Department of Physical Education and Exercise Science

B.S. degree program in adolescence education: physical education teacher (all grades)

HEGIS code 0835; SED program code 26746

~~Adolescence education (grades 7-12) and special subject programs are writing intensive.~~

~~This program reflects changes in teacher certification requirements recently implemented by the New York State Education Department. Degree programs in adolescence education and in special subjects include a major in an appropriate department of the college. Completion of a special subjects program as part of a major in physical education qualifies students for New York State initial certification in special subjects for all grades.~~

~~Department core requirements~~

~~All Physical Education majors must complete the following:~~

~~a. Physical Education 3003, 3004, 3213, 3271, 3275, 3023, 4229, 4251, 3075.~~

~~b. One course in dance chosen from the following:~~

~~Physical Education 1022, 1023, 1021, 1052, 1053, 1051, 2171~~

~~Dance 2001-2009 series~~

~~Dance 2061-2069 series.~~

~~c. Competency in aquatics.~~

~~Competency may be demonstrated by either of the following:~~

~~(i) Completion of any aquatics course number 1020 or higher or the equivalent.~~

~~(ii) Successful completion of the departmental swimming test. Consult the department office for application deadlines, test components, and test administration dates. The test is administered only once per semester.~~

~~d. Competency in gymnastics.~~

~~Competency may be demonstrated by either of the following:~~

~~(i) Completion of Physical Education 2014.~~

~~(ii) Successful completion of the departmental gymnastics test. Consult the department office for application deadlines, test components, and test administration dates. The test is administered only once per semester.~~

~~Department requirements (70 -78 1/2 credits)~~

~~School Physical Education (for students who plan to teach physical education, K-12, or coach in New York public schools and obtain New York State teacher certification).~~

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~~Students must complete the department core requirements (above) and all of the following:~~

~~a. Physical Education 3110, 4422, 2138.~~

~~b. At least one course selected from Physical Education 3024, 2135, 2136, 2137.~~

~~c. At least two courses selected from Physical Education 2112, 2113, 2114, 2123, 2155, 2156.~~

~~d. At least one course selected from Physical Education 2131, 2122, 2124, 33, 2134, 2171 (if not used to fulfill the departmental core dance requirement above), [53], [57.1], 2158.~~

~~e. At least one course from each of the following groups:~~

~~(1) Physical Education 1022, 1023, 1021, 1051.~~

~~(2) Dance 2001-2009 or 2061-2069 series.~~

~~Students may use one of the above courses taken to fulfill the department core requirement in dance to fulfill the requirement of one group.~~

~~f. Physical Education 3321 or 3323.~~

~~g. At least two additional courses selected from the Physical Education series 1040-1069 and 1070-1099, 2131, 2112, 2113, 2114, 2122, 2123, 2124, 2133, 2134, 2135, 2136, 2137, 2171, 2192, 3321, 3323, [53], 2155, 2156, [57.1], 2158, or from Dance 2001-2009, 2011-2019 or 2061-2069 series (if not used to fulfill the departmental dance requirement); 18.1, 18.2, 74.1, 74.2, 84.1, 84.2, 85.1, 85.2, 86.1, 86.2.~~

~~h. In addition, students must complete the following pedagogical courses in School of Education: Education 2001, 2002, 3401, 3402, 4406, and 4412~~

~~(total of 21 credits).~~

~~This four-term sequence may be started in the lower sophomore term, or upper-sophomore term.~~

~~Education 2001, 2002, 3401, 3402 (12 credits).~~

~~The appropriate 5-credit course in student teaching:~~

~~Education 4406 Seminar on Methods of Teaching Physical Education, Student Teaching-I~~

~~The appropriate 4-credit course in student teaching:~~

~~Education 4412 Advanced Seminar on Methods of Teaching Physical Education, Student Teaching-II~~

~~Completion of a special subjects program as part of a major in music education or physical education qualifies students for New York State initial certification in special~~

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~~subjects for all grades. Students qualifying for the initial certification in adolescence education may obtain an extension to teach English, social studies, mathematics, or one of the sciences in grades 5 and 6 by taking Education 3454.~~

~~Students, except music education majors, must complete 21 credits in the School of Education as specified above.~~

~~Admission requirements and academic standing~~

~~Students must have a GPA of 2.50 or higher based on a minimum of 30 credits in liberal arts and sciences to take Education 2001, 2002, 3401 or 3402; an average of 2.75 in Education 2001 and 2002 is required to continue to Education 3401 and/or Education 3402; to take Education 4413 or 4401-4406, students must have an overall GPA of 2.75 or higher and permission of the head of adolescence education and special subjects; to take Education 4407-4406, students must earn a B- or higher in Education 4401-4406, a GPA of 2.75 or higher in their major, and the permission of the head of adolescence education and special subjects. A student who takes Education 4407-4412 prior to Education 4401-4406 must earn a B- or better grade in 4407-4412 to take Education 4401-4406.~~

~~Department recommendations:~~

~~Physical Education 78;
Health and Nutrition Sciences 1100, 1170, 2210, 2181, 2182.
Students should begin the education sequence in the junior year.
Students should complete Physical Education 4422 before applying for admission to Education 4406 or 4412.~~

Undergraduate Physical Education - Teacher Education candidates are required to take a number of pedagogical courses and a wide range of sport and physical activity courses in addition to theoretical and exercise science classes. In their senior year, they must complete student teaching with experiences at both the elementary school and secondary school levels. In collaboration with the Departments of Secondary Education and Childhood and Special Education, the program is designed in cooperation with the liberal arts and sciences faculties and in consultation with local schools so that our students may develop the knowledge and proficiencies needed to work with New York City's racially, ethnically, and linguistically diverse student population. Graduates of our physical education teacher education program are assistant principals in many of the public schools in Brooklyn and make up a large percentage of the faculty in the borough's physical education departments.

Students must have a minimum overall grade point average of 2.5 to declare a major in Physical Education - Teacher Education. Students must maintain a minimum overall grade point average of 2.5 to remain a major in the program. Physical Education - Teacher Education majors must have a grade point average of 3.0 or greater in required

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Department of Physical Education and Exercise Science coursework to graduate. Physical Education Teacher Education majors must also meet all Education requirements to register for Education classes and to be admitted as a Teacher Education candidate. See requirements for details.

Adolescence education (grades 7-12) and special subject programs are writing intensive.

This program reflects changes in teacher certification requirements recently implemented by the New York State Education Department. Degree programs in adolescence education and in special subjects include a major in an appropriate department of the college. Completion of a special subjects program as part of a major in physical education qualifies students for New York State initial certification in special subjects for all grades.

Program Requirements (75 credits)

Physical Education and Exercise Science 1020[#], 2500, 3000, 3005, 3010, 3020, 3030, 3040, 3050, 3060, 3080, 3105, 3115, 3150, 3281, 3285, 3290, 3295, 3401, 3402, 4200W, 4250, 4412.

Secondary Education/ Childhood and Special Education 2001 and 2002

Competency in swimming

Competency may be demonstrated by any of the following:

(i) Completion of PEES 1120 Swimming

(ii) Successful completion of the departmental swimming test. Consult the department office for details and dates.

(iii) Current Red Cross certification as a Lifeguard or Water Safety Instructor

Admission requirements and academic standing for Teacher Education

Students must have a GPA of 2.50 or higher based on a minimum of 30 credits in liberal arts and sciences to take Physical Education 3401 or 3402 or Secondary Education/Childhood and Special Education 2001 and 2002;

an average of 2.75 in Secondary Education/Childhood and Special Education 2001 and 2002 is required to continue to Physical Education 3401 and/or 3402;

to take Physical Education 4412, students must have an overall GPA of 2.75 or higher and permission of the Chairperson or designee of the Department of Physical Education and Exercise Science.

Department honors

To qualify for honors in Physical Education or Exercise Science, a major must maintain

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

a scholastic index of at least 3.50 in all advanced work in the major; and satisfactorily complete the following: PEES 4900 Directed Research in Kinesiology plus honors work in an advanced elective in the department (course to be determined in consultation with sponsoring faculty member and approved by Chair). In addition, the student must have the recommendation of at least 2 faculty members of the Department and a recommendation from and the Chair of the Department of Physical Education and Exercise Science.

Rationale: The faculty of the department determined that in order to meet the contemporary standards of the fields of study offered by the department a major and complete curriculum revision was required to add or delete courses offered. The existing curriculum and many of the courses within it are outdated or obsolete and are based on models no longer being followed by leading programs in the field. It was determined by the faculty therefore that a complete overhaul of the existing curriculum and courses was more efficiently accomplished by deleting/withdrawing all courses currently offered by the department (see Section A-VI of this document) and adding all new courses (see Section A-IV). All new courses offered herein meet the same college goals as the existing courses but do so more effectively and efficiently. Many fewer courses are being added than are being deleted in the proposed changes. The new curricula for the major are also modernized to include the new set of courses and to reflect more modern standards in the field.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES
Department of Physical Education and Exercise Science

1100 Fitness and Conditioning

2 hours; 2 credits

A beginning experience in general physical fitness and conditioning, including aerobic and resistance training activities.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester

Departmental goals addressed by the course: The student will:

- learn the basic elements of a well-designed overall fitness and conditioning program;
- learn the basic physiology associated with aerobic and resistance exercise programs;
- participate in an active and progressive training program which will lead to improved cardiovascular fitness and muscular strength/endurance.

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her overall fitness level to participate in a structured environment while also learning the basic principles and physiology associated with a functionally sound physical training program.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

1101 Aerobic Training

2 hours; 2 credits

A beginning experience in physical fitness and conditioning utilizing a progression of aerobic training techniques including walking/jogging/running and machine based activities.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester

Departmental goals addressed by the course: The student will:

- learn the basic elements of a well-designed aerobic training program;
- learn the basic physiology associated with aerobic exercise programs;
- participate in an active and progressive training program which will lead to improved cardiovascular fitness.

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her aerobic fitness level to participate in a structured environment while also learning the basic principles and physiology associated with a functionally sound aerobic training program.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

1102 Weight/Resistance Training

2 hours; 2 credits

A beginning experience in physical fitness and conditioning utilizing weights and other forms of resistance training activities.

Estimated enrollment: 35 students per class section

Frequency of offering: Every semester

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her fitness level to participate in a structured environment while also learning the basic principles and physiology associated with a functionally sound physical training program.

Departmental goals addressed by the course: The student will:

- learn the basic elements of a well-designed weight/resistance training program;
- learn the basic physiology associated with resistance exercise programs;
- participate in an active and progressive training program which will lead to improved muscular strength and endurance.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

1105 Self-Defense

2 hours; 2 credits

A beginning experience in basic self-defense activities.

Departmental goals addressed by the course: The student will:

- learn the basic elements of a well-designed self-defense training program;
- learn the basic components associated with self-defense in a variety of settings in which one's safety may be compromised;
- participate in an active and progressive self-defense training program which will lead to competence in performing the skills associated with defending oneself.

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her aerobic fitness level to participate in a structured environment while also learning the basic principles and physiology associated with a functionally sound aerobic training program.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

1110 Tennis

2 hours; 2 credits

This course is designed to provide students a beginning experience in tennis (singles and doubles).

Departmental goals addressed by the course:

The student will:

- learn the basic elements of a well-designed tennis training program;
- learn the basic strokes associated with tennis play;
- learn the basic footwork associated with tennis play;
- learn the rules and scoring of tennis play in singles and doubles;
- learn the basic strategies associated with tennis singles and doubles play;
- participate in active games play to reinforce the learning outcomes listed above.

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her fitness level to learn and participate in a structured lifetime physical activity.

Estimated enrollment: 35 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

1111 Racquetball

2 hours; 2 credits

This course is designed to provide students a beginning experience in racquetball (singles and doubles).

Departmental goals addressed by the course: The student will:

- learn the basic elements of a well-designed racquetball training program;
- learn the basic strokes associated with racquetball play;
- learn the basic footwork associated with racquetball play;
- learn the rules and scoring of racquetball play in singles and doubles;
- learn the basic strategies associated with racquetball singles and doubles play;
- participate in active games play to reinforce the learning outcomes listed above.

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her fitness level to learn and participate in a structured lifetime physical activity.

Estimated enrollment: 24 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

1115 Basketball

2 hours; 2 credits

A beginning experience in basketball.

Departmental goals addressed by the course: The student will:

- learn the basic elements of a well-designed basketball training program;
- learn the basic skills associated with basketball play;
- learn the basic footwork associated with basketball play;
- learn the rules and scoring of basketball play;
- learn the basic strategies associated with basketball play;
- participate in active games play to reinforce the learning outcomes listed above.

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her fitness level to learn and participate in a structured lifetime physical activity.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

1116 Soccer

2 hours; 2 credits

A beginning experience in soccer.

Departmental goals addressed by the course: The student will:

- learn the basic elements of a well-designed soccer training program;
- learn the basic skills associated with soccer play;
- learn the basic footwork associated with soccer play;
- learn the rules and scoring of soccer play;
- learn the basic strategies associated with soccer play;
- participate in active games play to reinforce the learning outcomes listed above.

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her fitness level to learn and participate in a structured lifetime physical activity.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

1117 Volleyball

2 hours; 2 credits

A beginning experience in volleyball.

Departmental goals addressed by the course: The student will:

- learn the basic elements of a well-designed volleyball training program;
- learn the basic skills associated with volleyball play;
- learn the rules and scoring of volleyball play;
- learn the basic strategies associated with volleyball play;
- participate in active games play to reinforce the learning outcomes listed above.

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her fitness level to learn and participate in a structured physical activity.

Estimated enrollment: 40 students per class section.

Frequency of offering: Every semester .

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

1120 Swimming

2 hours; 2 credits

A beginning experience in swimming.

Departmental goals addressed by the course: The student will:

- learn the basic elements of a well-designed swim training program;
- learn the basic strokes associated with swimming;
- learn basic water safety;
- participate in active swim training to reinforce the learning outcomes listed above.

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her fitness level to learn and participate in a structured lifetime physical activity.

Estimated enrollment: 30 students per class section

Frequency of offering: Every semester.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

1125 Ballroom Dance

2 hours; 2 credits

A beginning experience in ballroom dance.

Departmental goals addressed by the course: The student will:

- learn the basic elements of a well-designed ballroom dance training program;
- learn the basic skills associated with ballroom dance;
- learn the basic footwork associated with ballroom;
- participate in active ballroom dancing to reinforce the learning outcomes listed above.

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her fitness level to learn and participate in a structured lifetime physical activity. This course will also allow the student to learn valuable social skills associated with dance.

Estimated enrollment: 40 students per class section.

Frequency of offering: Every semester.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES
Department of Physical Education and Exercise Science

1130 Pilates

2 hours; 2 credits

A beginning experience in pilates and how to train for it.

Departmental goals addressed by the course: The student will:

- learn the basic elements of a well-designed pilates training program;
- learn the basic skills associated with pilates;
- participate in active pilates training to reinforce the learning outcomes listed above.

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her fitness level to learn and participate in a structured lifetime physical activity.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

1131 Yoga

2 hours; 2 credits

A beginning experience in yoga and how to teach it.

Departmental goals addressed by the course: The student will:

- learn the basic elements of a well-designed yoga training program;
- learn the basic skills associated with yoga;
- participate in yoga training to reinforce the learning outcomes listed above.

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her fitness level to learn and participate in a structured lifetime physical activity.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

2002 Introduction to Modern Dance I

4 hours; 3 credits

Introduction to the basic elements of modern dance technique and how to teach them.

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her modern dance skills to learn and participate in a structured lifetime physical activity.

Estimated enrollment: 25 students per class section

Frequency of offering: Every semester

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

2003 Modern Dance II

4 hours; 3 credits

Intermediate elements of modern dance technique. Continuation of Physical Education and Exercise Science 2002.

Prerequisite: Physical Education and Exercise Science 2002 or permission of instructor.

Estimated enrollment: 25 students per class section

Frequency of offering: Every spring semester

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her modern dance skills to learn and participate in a structured lifetime physical activity.

Departmental goals addressed by the course:

- a) The student will acquire some intermediate knowledge of the history of modern dance. Race, gender, culture, and sexual orientation invariably arise in any discussion on dance that is more than cursory. At the 10 level individuals will be required to research the life of one outstanding dance figure and present either an oral or written paper.

NASPE standards: 4.1, 4.2, 4.4, 5.1, 5.2 & 5.3

- b) The student will become aware of his/her own physical strength, flexibility, and capacity to perform basic co-ordinations to music. All students will become familiar enough to maintain the class flow as a group unaided. This will underscore the communal nature and experience of dance training.

NASPE Standards: 1.1, 1.4, 4.1, 4.2 & 4.4

- c) The student will be introduced to the intermediate concepts of body language using specific examples. The capacity for self-expression through dance will be explored.

NASPE Standards: 1.1 & 1.4

- d) The student will develop some understanding of economy in the use of physical energy and safety in athletic movement.

NASPE Standards: 1.1 & 1.4

- e) The student will begin to develop an appreciation of dance as a performance art.

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NASPE Standards: 4.1, 4.2, 4.4, 5.1, 5.2 & 5.3

- f) The student will learn a simple segment of choreography during the semester, part of which each student will be required to perform on their own near the end of the semester. Students will be required to reproduce a fair facsimile of the forms and timing given in class choreography.

NASPE Standards: 1.1 & 1.4

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

2004 Independent Study in Dance

1 hour; 1 credit

Research, observation and critique of dance performance(s) associated with historically significant dance choreographers and/or performers from recorded media archives.

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in dance to learn while also enhancing their observational skills.

Estimated enrollment: 25 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

2011 Lifeguarding

1 hour recitation, 2 hours activity; 2 credits

Skills and knowledge necessary to provide a safe aquatic environment at a lakefront or pool; entry-level requirement for beach lifeguarding. Organizational and administrative practices. Students successfully completing this course may be eligible to apply for American Red Cross Lifeguard certification.

Prerequisite: permission of the department chairperson; and a current American Red Cross certificate for first aid and for cardiopulmonary resuscitation; and the ability to swim continuously 500 yards.

Departmental goals addressed by the course: The student will:

- learn the basic elements of a well-designed lifeguard training program;
- learn advanced water safety/lifeguard skills;
- learn basic first aid skills including CPR
- participate in lifeguard training and simulated emergency situations to reinforce the learning outcomes listed above.

Rationale: This general elective course provides an opportunity for every Brooklyn College student with an interest in improving his/her fitness level to learn/participate in a lifetime physical activity.

Estimated enrollment: 30 students per class section.

Frequency of offering: Every semester.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

2500 Personal Fitness

3 hours; 3 credits

Contemporary health topics and issues. Students examine health risk and protective factors that influence the individual's achievement of optimal health across the life span. This course is designed to help students understand their responsibility for their health. The themes of the course include personal decision-making and physical activity. Self-assessment inventories are used to involve students in any health issues and provide a means for applying health information in personal decision-making. The goal of this course is to explore major personal health topics and to apply them in order to achieve, maintain, and promote high-level health. A minimum grade of "C" in this course is required of Department of Physical Education and Exercise Science majors for the degree.

Departmental goals addressed by the course: The student will:

- learn the basic science elements of health and wellness;
- learn sound nutritional practices;
- learn basic components of fitness training programs including flexibility, aerobic and resistance activities;
- participate in a personal fitness training program.

Rationale: This course provides an opportunity for every Brooklyn College student with an interest in improving his/her health and wellness to learn about the basic elements while participating in structured lifetime physical activities to promote fitness.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3000 Introduction to Kinesiology

3 hours; 3 credits

A professional orientation and introduction to the breadth of the field of physical education, disability sport and physical activity, and exercise science in schools, industry, and community agencies for majors in physical education, disability sport and physical activity, and exercise science. Contemporary, cutting-edge issues related to health and fitness. In-depth consideration of emerging issues such as childhood obesity, physical and cognitive disabilities, built environment, nutrition/diet, drugs/alcohol/tobacco and other such topics that are in health/fitness news and research. A minimum grade of “C” in this course is required of Department of Physical Education and Exercise Science majors for the degree.

Departmental goals addressed by the course: By taking this survey course, the student will learn about the program areas in which the department offers majors:

- learn the basic elements of exercise science, physical education and adapted physical education;
- learn the basic elements of the kinesiological sciences;
- learn the basics of teaching physical education in the K-12 school setting;
- learn about careers for which a graduate of a Physical Education and Exercise Science-based program would qualify.

Rationale: This course provides an opportunity for every Brooklyn College student with an interest in exploring careers and/or better understanding Physical Education and Exercise Science.

Estimated enrollment: 50 students per class section

Frequency of offering: Every semester.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3005 First Aid and Safety

2 hours; 2 credits

Students develop a working knowledge of first aid methods and techniques and accident prevention. A minimum grade of “C” is required of Department of Physical Education and Exercise Science majors for this course. Certification may be earned.

Departmental goals addressed by the course: By taking this course, the Physical Education and Exercise Science student will:

- learn basic anatomy and physiology;
- learn victim observation skills;
- learn basic life support;
- learn basic first aid skills;
- learn about common injuries and accidents.

Rationale: This course provides an opportunity for Physical Education and Exercise Science majors to acquire knowledge and gain skills in basic first aid important for use in fitness and school settings.

Estimated enrollment: 30 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3010 Performance/Analysis I: Foundational Movement Skills and Dance

3 hours; 3 credits

Students develop knowledge and skill in designing and implementing basic movement skills and rhythmical/dance activities. Emphasis is placed on the ability to analyze and instruct the associated movement skills. A minimum grade of C is required for this course is required for the degree.

Departmental goals addressed by the course: By taking this activity-based course, the student will:

- learn about the basic/fundamental movements that constitute more advanced human movement skills;
- learn about creative movement through exploratory physical activities;
- learn about the basic elements of dance and rhythmical activities;

Rationale: This course provides an opportunity for physical education majors to learn about fundamental movement skills, basic rhythmical activities and dance for the purpose of teaching K-5 physical education classes.

Estimated enrollment: 35 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3020 Performance/Analysis 2: Fitness/Lifetime Activity

2 hours; 2 credits

Students develop knowledge and skills in lifetime fitness activities such as aerobics, jogging, walking, weight training, muscle toning, and general conditioning. Emphasis is placed on developing an understanding of the health and fitness benefits provided through participation in these activities. A minimum grade of C in this course is required for the degree.

Departmental goals addressed by the course: By taking this activity-based course, the student will:

- learn critical components of fitness training and lifetime participatory activities;
- learn how to design fitness and lifetime participatory activity programs;
- acquire skills in fitness and various lifetime participatory activity programs through practice;
- learn teaching methods for fitness and lifetime participatory activities for the purposes of providing instruction in school, fitness club and other settings.

Rationale: This course provides an opportunity for physical education majors to learn about fitness and various lifetime participatory activities for the purpose of teaching K-12 physical education classes.

Estimated enrollment: 35 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3030 Performance/Analysis 3: Team Sports

4 hours; 4 credits

Students develop knowledge and skills in various team sports (e.g., soccer, volleyball, baseball, softball, flag football, basketball) offered in P-12 school curriculums. Emphasis is placed on developing performance skills, as well as developing the ability to analyze and teach the associated movement skills. A minimum grade of C in this course is required for the degree.

Departmental goals addressed by the course: By taking this activity-based course, the student will:

- learn critical components associated with performing and teaching team sports;
- learn how to design various team sports skills training programs;
- acquire skills in various team sport activities through practice;
- learn rules of play and scoring in various team sports;
- learn basic strategies of play important to success in team sports;
- learn teaching methods for various team sports for the purposes of providing instruction in schools and recreation settings.

Rationale: This course provides an opportunity for physical education majors to learn about fitness and various lifetime participatory activities for the purpose of teaching K-12 physical education classes.

Estimated enrollment: 35 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3040 Performance/Analysis 4: Dual and Lifetime Sports

2 hours; 2 credits

Development of knowledge and skills in various lifetime individual and dual sports (e.g., tennis, badminton, golf, bowling, archery, racquetball) offered in P-12 school curriculums. Emphasis on producing competent performers, as well as developing the ability to analyze and teach the associated movement skills. A minimum grade of C in this course is required for the degree.

Departmental goals addressed by the course: By taking this activity-based course, the student will:

- learn critical components of dual and lifetime participatory activities;
- learn how to design dual and lifetime participatory activity programs;
- acquire skills in dual and various lifetime participatory activity programs through practice;
- learn teaching methods for dual and lifetime participatory activities for the purposes of providing instruction in school, fitness club and other settings.

Rationale: This course provides an opportunity for physical education majors to learn about dual and various lifetime participatory activities for the purpose of teaching K-12 physical education classes.

Estimated enrollment: 35 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3050 Performance/Analysis 5: Disability Sport and Physical Activity

3 hours; 3 credits

Students will participate first hand in games and activities derived from the field of disability sport. Specifically, students will learn the fundamental skills, rules, and strategies necessary to play, coach, and develop programs for individuals with disabilities in some of the following sports: wheelchair basketball, wheelchair tennis, wheelchair rugby, goalball, and boccia. A minimum grade of C in this course is required for the degree.

Departmental goals addressed by the course: By taking this activity-based course, the student will:

- learn critical components of fitness training and lifetime participatory activities for people with disabilities;
- learn how to design fitness and lifetime participatory activity programs for people with disabilities;
- acquire skills in fitness and various lifetime participatory activity programs for people with disabilities through practice;
- learn teaching methods for fitness and lifetime participatory activities for people with disabilities for the purposes of providing instruction in school, fitness club and other settings.

Rationale: This course provides an opportunity for physical education majors to learn about fitness and various lifetime participatory activities for people with disabilities for the purpose of teaching inclusive K-12 physical education classes and/or in recreation or clinical settings.

Estimated enrollment: 35 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3060 Methods of Evaluation in Kinesiology

2 hours; 2 credits

Elementary statistical techniques applied to tests and measurements. Historical background and evaluation of tests including those designated to measure health attitudes and knowledge, physical fitness, and neuromuscular proficiency (Not open to students who are enrolled in or have completed Health Science 3300). A minimum grade of "C" in this course is required of Department of Physical Education and Exercise Science majors for the degree.

Departmental goals addressed by the course: By taking this required course, the Physical Education and Exercise Science student will:

- learn critical components of testing and measurements in Physical Education and Exercise Science;
- learn basic statistics that are commonly used in Physical Education and Exercise Science;
- learn basic testing procedures commonly used in physical education and exercise science;
- apply tests and measurements knowledge in practical settings;
- learn grading and evaluation/assessment techniques.

Rationale: This required course provides an opportunity for Physical Education and Exercise Science majors to learn about testing and measurements for the purpose of performing evaluation/assessment in K-12 physical education classes and/or in fitness/clinical settings.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3080 Field Experience

3 hours; 2 credits

Experience in an area of the student's expressed professional objective in which the student participates and observes behavior in a setting outside the college community. It is recommended that this course be taken late in the sophomore year or early in the junior year.

Prerequisite: candidacy for a B.S. degree with a major in physical education or disability sport and physical activity and sophomore/junior standing.

Co-requisite: Physical Education and Exercise Science 3000.

Departmental goals addressed by the course: By taking this required course, the physical education student will:

- learn through reading about school-based K-12 physical education programs and observing school-based K-12 physical education programs;
- learn through field-based observations of school-based K-12 physical education programs;
- become familiar with the role of teaching physical education in K-12 schools.

Rationale: This required course provides an opportunity for physical education majors to read about teaching physical education teaching and to observe K-12 physical education classes in a public school setting in order to form perceptions about effective teaching, curriculum design and classroom management.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3105 Instructional Skills and Strategies in Health and Physical Education

3 hours; 3 credits

Introduction to effective classroom management, teaching skills, and instructional models for health and physical education in grades K-12. Field experiences are included in selected K-12 classrooms. A minimum grade of “C” is required of Department of Physical Education and Exercise Science majors for this course. Prerequisites: Permission of the UG Deputy or Chair or completion of the 3010-50 or 3010-3050 Performance/Analysis 1-5 course sequence with grades of C or better in all. Co-requisite: Physical Education and Exercise Science 3080.

Departmental goals addressed by the course: By taking this required course, the physical education student will:

- learn about effective teaching styles, strategies and techniques in K-12 physical education;
- learn about common skill themes, movement concepts, and the National Standards in K-12 physical education;
- learn about effective classroom/gym management strategies.

Rationale: This required course provides an opportunity for physical education majors to learn about effective classroom/gym skills and strategies important to teaching K-12 physical education teaching.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3115 Disability Sport, Physical Activity And Recreation For People With Disabilities

3 hours; 3 credits

The structure, function, and outcome of the disability sport movement in the United States and internationally, including its impact on opportunities, current trends, behaviors, and attitudes towards persons with disabilities. Teaching strategies and skills. Exploration of physical activity and recreational pursuits for people with disabilities. Students completing this course with a grade of C or better may receive a Certified Disability Sport Specialist I (CDSS I) designation from BlazeSports America if they choose to apply. A minimum grade of “C” in this course is required of Department of Physical Education and Exercise Science majors for the degree.

Prerequisites: Permission of the Undergraduate Deputy Chair or completion of the 3010-50 or 3710-3750 Performance/Analysis 1-5 course sequence, all with grades of C or better.

Departmental goals addressed by the course: By taking this required course, the physical education student will:

- learn about history and influence of adaptive physical education and sport;
- learn about common disabilities and the impact these conditions have on the life of the person;
- learn about local, national and international disability sport organizations;
- learn about effective teaching/coaching strategies;
- learn about various sport and physical activities for people with disabilities;
- learn about inclusive sport and physical activities.

Rationale: This required course for adaptive physical education majors provides an opportunity for to learn about the disability sport and adaptive physical education movement in both school and community settings.

Estimated enrollment: 30 students per class section

Frequency of offering: Once per academic year.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

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SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3150 Digital Technology in Kinesiology

2 hours lecture/lab; 1 credit

Detailed examination and practical experience utilizing various digital technologies including Dartfish Connect Motion Analysis Software (www.Dartfish.com, Dartfish USA, Inc). Experience in desktop publishing, data entry and analysis, producing slides, digital photography and video capture/editing. Students registered for this course must also be registered for Physical Education and Exercise Science 4250. Skills acquired in this class are important for success in Physical Education and Exercise Science 4250, 4260, 4750, 4760, 4406 or Secondary Education 4406, and Physical Education and Exercise Science 4412 or Secondary Education 4412.

Departmental goals addressed by the course: By taking this required course, the Physical Education and Exercise Science student will:

- learn about effective technologies for use in teaching K-12 physical education, coaching sports and evaluation of teaching/coaching skills;
- learn about common software for use in capturing/editing digital photographs and video;
- learn about basic desktop publishing.

Rationale: This required course provides an opportunity for Physical Education and Exercise Science majors to learn about effective technologies, including both hard- and software, important to teaching K-12 physical education, coaching sports and evaluating classroom teaching.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3281 Anatomy and Physiology I

6 hours; 4.5 credits

Survey of the major organ systems in the human body with application to anatomical and physiological concepts of health and life. The mechanisms and control systems that allow for functional harmony are explored in a systemic approach to the anatomy and physiology of bone, muscle, nerve, special senses, circulation, respiration, digestion, metabolism, the endocrine glands, and reproduction. A minimum grade of “C” in this course is required of Department of Physical Education and Exercise Science majors for the degree.

Departmental goals addressed by the course: By taking this required course, the student will:

- learn about the various anatomical and physiological systems of the human body;
- learn about the function of these systems on human performance;
- learn about the integrated aspects of various systems on other systems.

Rationale: This required course provides an opportunity for Physical Education and Exercise Science majors as well as other students interested in various health-related majors to learn about the various anatomical and physiological systems of the human body.

Estimated enrollment: 84 students per class section/21 students per lab (4 labs)

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3285 Anatomy and Physiology II

6 hours; 4.5 credits

Survey of the major organ systems in the human body with application to anatomical and physiological concepts of health and life. The mechanisms and control systems that allow for functional harmony are explored in a systemic approach to the anatomy and physiology of bone, muscle, nerve, special senses, circulation, respiration, digestion, metabolism, the endocrine glands, and reproduction. A minimum grade of “C” in this course is required of Department of Physical Education and Exercise Science majors for the degree.

Prerequisite: Physical Education and Exercise Science 3281

Departmental goals addressed by the course: By taking this required course, the student will:

- learn about the various anatomical and physiological systems of the human body;
- learn about the function of these systems on human performance;
- learn about the integrated aspects of various systems on other systems.

Rationale: This required course provides an opportunity for Physical Education and Exercise Science majors as well as other students interested in various health-related majors to learn about the various anatomical and physiological systems of the human body.

Estimated enrollment: 84 students per class section/21 students per lab (4 labs)

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3290 Applied Musculoskeletal Anatomy

3 hours; 3 credits

Detailed examination of the musculoskeletal system of the human body with a focus on understanding its structure and function in applied settings such as activities of daily living, work, sport and exercise, and rehabilitation. Bone structure, bony landmarks, muscle attachments, muscle actions and resulting motions, and body planes and axes. A minimum grade of C is required of Department of Physical Education and Exercise Science majors for this course. Lab fee applies.

Prerequisite: Physical Education and Exercise Science 3281 and 3285, each with a minimum grade of C, or the equivalent.

Departmental goals addressed by the course: By taking this required course, the student will:

- learn about the human musculoskeletal system;
- learn about the major bones of the human body including common bony landmarks;
- learn about the major muscles/muscle groups of the human body;
- learn about tendons, ligaments, cartilage and other soft tissues of the body and their influence on structure and function;
- learn about the integrative aspects of the aforementioned tissues on movement;
- learn about joint structure and function;
- learn about the planar motions of the skeleton associated with muscle contractions;
- learn about the influence of the musculoskeletal system on advanced forms of human performance.

Rationale: This required course provides an opportunity for Physical Education and Exercise Science majors to learn in detail about the form and function of the integrated musculoskeletal system of the human body.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3295 Motor Development and Learning

3 hours; 3 credits

Students gain knowledge of motor development and learning and principles. Topics include the processes of skilled motor performance and motor skill acquisition, human motor development from childhood through older adulthood, the influence of perceptual, cognitive, physiological, and social development on motor development. Emphasis is on the practical application of concepts to the teaching of motor skills. A minimum grade of C is required of Department of Physical Education and Exercise Science majors for this course.

Prerequisite: Physical Education and Exercise Science 3281 and 3285, each with a grade of C, or the equivalent.

Departmental goals addressed by the course: By taking this required course, the physical education student will:

- learn about the various anatomical and physiological systems of the human body and how these systems develop over the lifespan;
- learn about how humans learn and acquire motor skills;
- learn about effective strategies for teaching simple to advanced motor skills.

Rationale: This required course provides an opportunity for physical education majors to learn about human motor development and how it evolves over the lifespan thereby effecting how humans learn and acquire motor skills.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3401 Diversity and Inclusion in Physical Education

3 hours recitation, 25 hours field experience; 3 credits

Current theory and methods of teaching inclusive physical education to students from diverse backgrounds including but not limited to culture, race, religion, gender and disability. Includes issues of language development and diversity, differences between written and spoken language, teaching students of diverse linguistic and cultural backgrounds and those with special needs, A minimum grade of “B” in this course is required of Department of Physical Education and Exercise Science majors for the degree.

Prerequisite: Secondary Education/Childhood and Special Education 2001 and 2002.

Departmental goals addressed by the course: By taking this required course, the student will:

- learn about the various and diverse populations of students common to the K-12 classroom in New York City schools;
- learn about physical education programming in a diverse urban setting;
- learn about effective communication in the diverse, urban classroom;
- learn about the importance of inclusive physical education programming.

Rationale: This required course provides an opportunity for physical education majors to learn about various issues of diversity and inclusion in the K-12 physical education classroom/gym where students from various cultural backgrounds, races, ethnicities, religions, gender, sexuality and disability are present.

Estimated enrollment: 40 students per class section

Frequency of offering: Once per academic year.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

3402 Integrative and Multidisciplinary Teaching and Learning in Physical Education

4 hours recitation, 25 hours field experience; 3 credits

Principles for integrating multidisciplinary, multicultural, and aesthetic perspectives into the curriculum through physical education. Relating skills, knowledge, and instructional technology associated with physical education through connecting themes, issues, and activities. Innovative and alternative research-based models and practices for inclusive settings, special education, reading, and writing across the curriculum. A minimum grade of “B” is required of Department of Physical Education and Exercise Science majors for this course.

Prerequisite: Secondary Education/Childhood and Special Education 2001 and 2002;

Prerequisite or Corequisite Physical Education and Exercise Science 3401.

Departmental goals addressed by the course: By taking this required course, the student will:

- learn about various principles for integrating multidisciplinary, multicultural, and aesthetic perspectives into the general curriculum through physical education.
- learn how to relate skills, knowledge, and instructional technology associated with physical education through connecting themes, issues, and activities;
- learn innovative and alternative research-based models and practices for inclusive settings, special education, reading, and writing across the curriculum.

Rationale: This required course provides an opportunity for physical education majors to learn about integrative and multidisciplinary teaching and learning in the K-12 physical education classroom/gym.

Estimated enrollment: 40 students per class section

Frequency of offering: Once per academic year

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

4200W Physiology of Exercise

2 hours lecture; 2 hours laboratory; 3 credits

Study of body systems and organs during physical activity with emphasis on metabolic, cardio respiratory, and body composition parameters. Laboratory experiences employing physiological principles during active participation in exercise are also included. This is a writing intensive course. A minimum grade of C is required of Department of Physical Education and Exercise Science majors for this course. Lab fee applies.

Prerequisite: Physical Education and Exercise Science 3281 and 3285 (with a grade of C or better in each) or the equivalent; English *1012.

Departmental goals addressed by the course: By taking this required course, the Physical Education and Exercise Science student will:

- learn about basic metabolic pathways, the regulation of these pathways and the importance of these pathways for various types of exercise;
- be able to identify and explain physiological mechanisms involved in the integrative responses of the cardiovascular, pulmonary, muscular and endocrine systems to acute and chronic exercise;
- be able to discuss the physiological alterations associated with common ergogenic aids;
- be able to compare and contrast techniques for body composition assessment;
- be able to discuss the effects of altitude, diving and thermal stress on the resting and exercising human and the implications of these challenges for exercise and athletics;
- be able to search the scientific literature;
- be able to write concise, well-organized laboratory reports using standard scientific format;
- be able to appropriately graph information obtained from laboratory exercises.

Rationale: This required course provides an opportunity for Physical Education and Exercise Science majors to learn the critical scientific aspects of applied physiology in exercise, sport and work-related environments.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

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

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

4250 Biomechanics

3 hours; 3 credits

The principles that influence human motion. Statics, dynamics, kinematics and kinetics applied to the musculoskeletal system of the human body. Emphasis is placed on developing the ability to analyze human motion with the goal of optimizing human movement performance and identifying mechanical factors associated with musculoskeletal injury. A minimum grade of C is required of Department of Physical Education and Exercise Science majors for this course. Lab fee applies.

Prerequisite: Physical Education and Exercise Science 3281 and 3285 (with a grade of C or better) or the equivalent, Physical Education and Exercise Science 3890 (with a grade of C or better).

Co-requisite: Physical Education and Exercise Science 4200W.

Departmental goals addressed by the course: By taking this required course, the Physical Education and Exercise Science student will:

- learn about anatomical and mechanical principles that apply to human movement;
- be able to identify and explain biomechanical principles related to kinematics and kinetics;
- be able to discuss biomechanical issues related to linear and angular motion and their interrelationship;
- be able to discuss factors associated with fluid dynamics that affect human movement;
- be able to perform a detailed biomechanical analysis of movement skills in sport, exercise, activities of daily living and occupational tasks.

Rationale: This required course provides an opportunity for Physical Education and Exercise Science majors to learn the critical scientific aspects of biomechanics in activities of daily living, exercise, sport and work-related environments.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

4260 Advanced Biomechanics for Exercise Science

3 hours; 3 credits

Integration of advanced concepts and relevant scientific information to provide for understanding of biomechanics as it relates to exercise, physical training, and rehabilitation. Within the framework of exercise science, this course provides the student with knowledge that will allow for the assessment of human motion for the purposes of identifying critical factors of performance and injury including persons with a disability. A minimum grade of “C” in this course is required of Department of Physical Education and Exercise Science majors for the degree.

Prerequisite: cumulative GPA of 2.5 or higher and Physical Education and Exercise Science 4250 (with a grade of C or better) and Physics 1100.

Departmental goals addressed by the course: By taking this required course, the exercise science student will:

- be able to identify and explain biomechanical advanced principles related to kinematics and kinetics;
- be able to discuss advanced biomechanical issues related to linear and angular motion and their interrelationship;
- be able to discuss factors associated with fluid dynamics that affect human movement;
- be able to perform a detailed quantitative biomechanical analysis of movement skills in sport, exercise, activities of daily living and occupational tasks;
- be able to utilize Dartfish motion analysis software at an advanced level.

Rationale: This required course provides an opportunity for exercise science majors to deepen their knowledge of the critical scientific aspects of advanced biomechanics in activities of daily living, exercise, sport and work-related environments.

Estimated enrollment: 40 students per class section

Frequency of offering: Once per academic year

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

4400 Fitness Program Management

3 hours; 3 credits

Principles of fitness and health promotion program operation including cost/ benefit and cost/effectiveness, program objectives, content, promotion and implementation, financial and personnel management, and facility planning and design. A minimum grade of “C” is required of Department of Physical Education and Exercise Science majors for this course.

Prerequisite: cumulative GPA of 2.5 or higher and Physical Education and Exercise Science 4200W (with a grade of C or better).

Departmental goals addressed by the course: By taking this required course, the exercise science student will:

- learn about basic management concepts and issues in the fitness industry;
- learn about leadership qualities and styles;
- learn about recruiting and hiring quality staff;
- learn about staff development;
- learn about marketing and sales in the fitness industry;
- learn about critical principles of customer service;
- learn about risk management;
- learn about facilities, equipment, spatial design and layout.

Rationale: This required course provides an opportunity for exercise science majors to learn the critical managerial and operational aspects of fitness program management in today's fitness industry.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

4402 Fitness Assessment and Exercise Prescription

4 hours; 3 credits

Students study the process and procedures of physical fitness evaluation and prescription. Emphasis is placed on the design of individual and group exercise programs. A minimum grade of “C” is required of Department of Physical Education and Exercise Science majors for this course. Lab fee applies.

Prerequisite: cumulative GPA of 2.5 or higher and Physical Education and Exercise Science 4200W (with a grade of C or better).

Departmental goals addressed by the course:

By taking this required course, the exercise science student will be able to:

- use standard techniques to assess the risk of exercise;
- determine caloric expenditure using metabolic data;
- select appropriate exercise tests and analyze the data from such tests;
- estimate energy expenditure using metabolic calculations;
- design cardiovascular and resistance exercise training programs for healthy adults;
- interpret and use data from various techniques for body composition estimation.

Rationale: This required course provides an opportunity for exercise science majors to learn the critical scientific aspects of fitness assessment and exercise prescription.

Estimated enrollment: 40 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

4412 Advanced Seminar on Methods of Teaching Inclusive Physical Education, Student Teaching

2 hours weekly seminar, weekly supervised teaching (full semester, 5 days/week for full school day); 12 credits

Capstone course requiring Physical Education Teacher Education students to participate in a semester long student teaching experience that is equally split (7 weeks each) between elementary and secondary schools. Objectives, variations in methodology and curriculum construction, evaluation, and role of materials and resources aligned with New York State learning standards and applied to teaching Physical Education at grade levels appropriate for state certification requirements; selection of supervised instructional experiences structured to evolve professional awareness; development of self-reflective teaching styles and assessment procedures to address the learning needs of a diverse student population, students with disabilities, and English language learners; continued application of knowledge of language acquisition and literacy development by native English speakers and English language learners, and of strategies for integrating technology into the classroom. Students observe, develop, and study Physical Education curriculum in light of teaching experiences and observations. Theories and methods of teaching inclusive physical education at grade levels appropriate for state certification requirements; focus on developing reflective practitioners and researchers; developing individualized instruction for all students; using technology for cooperative learning in the classroom and school; developing and evaluating newly adopted physical education curriculum and classroom and school cultures responsive to the needs of diverse students and students with disabilities, particularly in urban settings; developing advanced methods of teaching English language learners and applying knowledge of language acquisition. Students enroll in workshops in identifying, reporting, and responding to child abuse, and in substance abuse, fire and arson prevention, and safety education. Students spend the equivalent of twenty days in the schools, during which time they engage in daily, supervised student teaching.

Prerequisite: permission of the chairperson of the Department of Physical Education and Exercise Science (or the department chair's designee); Physical Education and Exercise Science 3401 unless otherwise specified by the Department of Physical Education and Exercise Science; Physical Education and Exercise Science 3402 unless otherwise specified by the Department of Physical Education and Exercise Science and approval of the department chair (or the department chair's designee).

Departmental goals addressed by the course: By taking this required course, the physical education student will be able to:

- effectively demonstrate his/her ability to provide quality physical education instruction in the K-12 environment;
- effectively demonstrate his/her ability to prepare quality lesson plans for the K-12 physical education curriculum;

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

- effectively demonstrate his/her understanding of the physical education curriculum in the K-12 school environment;
- effectively demonstrate his/her ability to manage the classroom/gym in the K-12 physical education environment;
- effectively develop a teaching portfolio for achieving state teaching certification.

Rationale: This required course provides a capstone opportunity for physical education majors to demonstrate their ability to effectively teach physical education in the K-12 school environment.

Estimated enrollment: 30 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

4500 Psychology of Physical Activity

3 hours; 3 credits

Analysis of psychological principles underlying the teaching and performance of physical activity including sport and exercise. A minimum grade of “C” in this course is required of Department of Physical Education and Exercise Science majors for the degree.

Prerequisite: cumulative GPA of 2.5 or higher.

Departmental goals addressed by the course:

By taking this required course, the exercise science student will learn about:

- psychological aspects of sport performance and exercise adherence;
- arousal, stress and anxiety in sport performance;
- motivation in sport and exercise;
- psychological skills training as it relates to sport and exercise;
- concentration and focus in sport performance;
- behavior, adherence and addiction in the context of sport and exercise;
- group dynamics;
- burnout in sport and exercise;
- aggression in sport;
- character development associated with sport play.

Rationale: This required course provides an opportunity for exercise science majors to learn the critical scientific aspects of psychological factors that influence sport performance and exercise adherence.

Estimated enrollment: 40 students per class section

Frequency of offering: Once per academic year

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

4510 Advanced Principles of Physical Activity: Cardiovascular/Pulmonary Training

2 hours lecture, 2 hours laboratory; 3 credits

Lecture and practical lab activities focused on advanced principles of physiology as it relates to physical activity and related improvements on the cardiovascular and cardiopulmonary systems. Theoretical and practical exploration of physical activities such as running, swimming, cycling, cross-country skiing and dance on the body's aerobic system are covered. A minimum grade of "C" in this course is required of Department of Physical Education and Exercise Science majors for the degree. Prerequisite: cumulative GPA of 2.5 or higher and Physical Education and Exercise Science 4200W and 4250 (with a grade of C or better in each).

Departmental goals addressed by the course: By taking this required course, the exercise science student will be able to:

- explain in detail the complexities of the cardiovascular and cardiopulmonary systems of the human body;
- explain in detail the influence of exercise on the cardiovascular and cardiopulmonary systems of the human body;
- quantify the cardiovascular and cardiopulmonary systems reaction to exercise and other physiological stressors;
- design fitness programs to effectively improve cardiovascular and cardiopulmonary function;
- explain biomechanical factors associated with the performance of aerobic activities.

Rationale: This required course provides an opportunity for exercise science majors to learn and demonstrate their understanding of critical scientific aspects of cardiovascular and cardiopulmonary system fitness training.

Estimated enrollment: 40 students per class section

Frequency of offering: Once per academic year

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

4520 Advanced Principles of Physical Activity: Strength/ Resistance Training

2 hours lecture, 2 hours laboratory; 3 credits

Lecture and practical lab activities focused on advanced principles of physiology as it relates to physical activity and related improvements on the musculoskeletal system. Theoretical and practical exploration of physical activities such as weight training, free weights vs. machine-based resistance, plyometric training, body resistance, aerobic training (running, swimming, cycling, cross-country skiing and dance) on the body's musculoskeletal system. A minimum grade of "C" in this course is required of Department of Physical Education and Exercise Science majors for the degree. Prerequisite: cumulative GPA of 2.5 or higher and Physical Education and Exercise Science 4200W and 4250 (with a grade of C or better in each).

Departmental goals addressed by the course: By taking this required course, the exercise science student will be able to:

- explain in detail the complexities of the musculoskeletal system of the human body;
- explain in detail the influence of exercise on the musculoskeletal system of the human body;
- quantify the musculoskeletal system's reaction to exercise and other physiological stressors;
- design fitness programs to effectively improve musculoskeletal system function;
- explain biomechanical factors associated with the performance of strength/resistance training activities.

Rationale: This required course provides an opportunity for exercise science majors to learn and demonstrate their understanding of critical scientific aspects of musculoskeletal system fitness training.

Estimated enrollment: 40 students per class section

Frequency of offering: Once per academic year

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

4750 Internship in Disability Sport and Physical Activity

30 hours; 10 credits

Practical experiences in planning, organizing, assessing, and implementing disability sport/physical activity programs in various settings. Internship may extend beyond one term. This would require that students complete 30 hours of internship activities.

Prerequisites: completion of all required course work and/or permission of the undergraduate deputy or chair.

Departmental goals addressed by the course: By taking this required course, the adapted physical education student will be able to:

- effectively demonstrate his/her ability to provide quality disability sport/fitness/physical activity instruction in the clinical environment;
- effectively demonstrate his/her ability to prepare quality disability sport/fitness/physical activity instruction in the clinical environment;
- effectively demonstrate his/her ability to manage clients with disabilities in the sport/fitness/physical activity clinical environment.

Rationale: This required course provides a capstone opportunity for adapted physical education majors to demonstrate their ability to effectively instruct and interact with clients with disabilities in the clinical environment.

Estimated enrollment: 25 students per class section

Frequency of offering: Every semester.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

4760 Internship in Exercise Science

30 hours; 10 credits

Practical experiences in planning, organizing, assessing, and implementing exercise science programs in various settings. Internship may extend beyond one term. This would require that students complete 300 hours of internship activities.

Prerequisites: completion of all required course work and/or permission of undergraduate deputy or chair.

Departmental goals addressed by the course: By taking this required course, the exercise science student will be able to:

- effectively demonstrate his/her ability to provide quality fitness instruction in the clinical environment;
- effectively demonstrate his/her ability to prepare quality fitness training programs for clients in the clinical environment;
- effectively demonstrate his/her understanding of the operations of a fitness center;
- effectively demonstrate his/her ability to manage clients and exercise classes in the clinical environment.

Rationale: This required course provides a capstone opportunity for exercise science majors to demonstrate their ability to effectively instruct and interact with clients in the clinical fitness environment.

Estimated enrollment: 30 students per class section

Frequency of offering: Every semester

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

Honors Courses

4900 Directed Research in Kinesiology

6 hours; 3 credits

Individual reading on special topics in health, physical education, recreation, or exercise science. Research may go beyond one term. A passing grade is required of Department of Physical Education and Exercise Science majors for this course. (Repeatable)
Prerequisites: completion of all required course work, GPA of 3.0 or better and/or permission of undergraduate deputy or chair.

Departmental goals addressed by the course: By taking this required course, the Physical Education and Exercise Science student will be able to:

- effectively demonstrate his/her ability to formulate a research-related question centered on a perceived problem or issue in field of Physical Education and Exercise Science;
- effectively demonstrate his/her ability to prepare a proposal to systematically study/research a topic;
- effectively demonstrate his/her ability to perform a literature review-based research study;
- effectively demonstrate his/her ability to synthesize materials gathered through an extensive literature review;
- effectively write a compelling paper on the research topic chosen.

Rationale: This course provides a capstone research opportunity for Physical Education and Exercise Science majors to demonstrate their ability to effectively demonstrate their command of the knowledge gained during their studies in the Department of Physical Education and Exercise Science.

Estimated enrollment: 2 students per semester

Frequency of offering: Every semester.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

A-VI: OTHER CHANGES

Department of Childhood and Special Education

Restoration of Withdrawn Courses

3456 Teaching Students with Special Needs

45 hours; 3 credits

Objectives, variations and clinical practice in collaborative and co-teaching methodology and curriculum development, evaluation, regulatory compliance, and application of early interventions to teaching children and youth with special needs. Making subject matter in the content areas understandable to students with a wide range of disabilities. Mastering, improvising, and adapting techniques for students with special-needs. Motivation and evaluation for children and youth with special-needs. This course is the same as Secondary Education 3456.

Rationale: To meet requirements contained in “Regulation Changes for All Teacher Education Programs and Restructuring Students with Disabilities,” New York State Education Department Revised Guidance, November 5, 2010. The requirement compels teacher education programs to have a stand-alone course that focuses on preparing teachers in the content areas to teach students with disabilities. We are therefore restoring this course.

Originally this course was EDUC 3456, but was modified to CBSE 3456 and SEED 3456 in Section A-V of CD 353, passed simultaneously with this CD 354. Other modifications, also made in CD 353, have been incorporated here.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

A-VI: OTHER CHANGES

Department of Childhood and Special Education

Restoration of Withdrawn Courses

4220 Seminar and Comprehensive Student Teaching I: Childhood Education

2 hours recitation, weekly supervised teaching (at least 150 hours); 4 credits

Student teaching. Application of the principles of teaching to all aspects of the curriculum, including literacy instruction in childhood classrooms (grades 1–6); long- and short-term planning; development of an interdisciplinary approach to teaching. Focus on self-reflective teaching and assessment procedures to address the learning needs of a diverse student population, including English language learners and students with special needs. Preparation in development of school-community relationships and collaborative learning; integration of instructional technology; culmination of portfolio development. Readings and discussions on significant issues, related to classroom teaching and professional development, including preventing child abduction, substance abuse, safety education, and child abuse awareness. Focus on skills in fostering effective relationships and interactions to support all students. Open only to students who have completed all required education courses with a grade point average of 3.00 or higher, and a grade point average of 2.75 or higher in liberal arts and sciences courses.

Prerequisite: Childhood and Special Education 3205, 3206, and 3207.

Rationale: The Childhood and Special Education program is updating the course prefix to reflect the new departmental structure in the School of Education. As a part of that update, the Department wishes to restore a number of courses that were withdrawn under the EDUC rubric, and offer them as CBSE courses.

Originally this course was EDUC 4220, but was modified to CBSE 4220 in Section A-V of CD 353, passed simultaneously with this CD 354. Other modifications, also made in CD 353, have been incorporated here.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

A-VI: OTHER CHANGES

Department of Childhood and Special Education

Restoration of Withdrawn Courses

4221 Seminar and Comprehensive Student Teaching II: Childhood Education

3 hours recitation, weekly supervised teaching (at least 150 hours); 5 credits

Student teaching. Application of the principles of teaching to all aspects of the curriculum, including literacy instruction in childhood classrooms (grades 1–6); long- and short-term planning. Focus on self-reflective teaching and assessment procedures to address the learning needs of a diverse student population, including English language learners and students with special needs. Preparation in development of school-community relationships and collaborative learning; integration of instructional technology; culmination of portfolio development. Readings and discussions on significant issues related to classroom teaching and professional development, including preventing child abduction, substance abuse, safety education, and child abuse awareness. Focus on urban schools and the process of school change. Open only to students who have completed all required education courses with a grade point average of 3.00 or higher, and a grade point average of 2.75 or higher in liberal arts and sciences courses.

Prerequisite: Childhood and Special Education 3206, 3207, and 4220.

Rationale: The Childhood and Special Education program is updating the course prefix to reflect the new departmental structure in the School of Education. As a part of that update, the Department wishes to restore a number of courses that were withdrawn under the EDUC rubric, and offer them as CBSE courses.

Originally this course was EDUC 4221, but was modified to CBSE 4221 in Section A-V of CD 353, passed simultaneously with this CD 354. Other modifications, also made in CD 353, have been incorporated here.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

A-VI: OTHER CHANGES

Department of Childhood and Special Education

Restoration of Withdrawn Courses

4320 Seminar and Comprehensive Student Teaching I: Bilingual Education

2 hours recitation, weekly supervised teaching (at least 175 hours); 4 credits

Student teaching. Application of the principles of teaching to all aspects of the curriculum in bilingual and non-bilingual classrooms, including literacy instruction in childhood classrooms, (grades 1–6); long- and short term planning; methods of teaching native language arts to bilingual (Spanish/English) language learners; methods of teaching content areas using the native language and English; development of an interdisciplinary approach to teaching. Focus on self-reflective teaching and assessment procedures to address the learning needs of a diverse student population, including English language learners and students with special needs. Preparation in development of school-community relationships and collaborative learning; integration of instructional technology; and culmination of portfolio development. Readings and discussions of significant issues related to classroom teaching and professional development, including preventing child abduction, substance abuse, safety education, and child abuse awareness. Focus on skills in fostering effective relationships and interactions to support all students. (Open only to students who have completed all required education courses with a grade point average of 3.00 or higher, and a grade point average of 2.75 or higher in liberal arts and science courses.)

Rationale: The Childhood and Special Education program is updating the course prefix to reflect the new departmental structure in the School of Education. As a part of that update, the Department wishes to restore a number of courses that were withdrawn under the EDUC rubric, and offer them as CBSE courses.

Originally this course was EDUC 4320, but was modified to CBSE 4320 in Section A-V of CD 353, passed simultaneously with this CD 354. Other modifications, also made in CD 353, have been incorporated here.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

A-VI: OTHER CHANGES

Department of Childhood and Special Education

Restoration of Withdrawn Courses

4321 Seminar and Comprehensive Student Teaching II: Bilingual Education

3 hours recitation, weekly supervised teaching (175 hours); 5 credits

Student teaching. Application of the principles of teaching to all aspects of the curriculum in bilingual and non-bilingual classrooms, including literacy instruction in childhood classrooms, grades 1–6; long- and short-term planning; methods of teaching native language arts to bilingual (Spanish/English) language learners; methods of teaching content areas using Spanish and English. Focus on self-reflective teaching and assessment procedures to address the learning needs of a diverse student population, including English language learners and students with special needs. Preparation in development of school-community relationships and collaborative learning; integration of instructional technology; and culmination of portfolio development. Readings and discussions on significant issues related to classroom teaching and professional development, including preventing child abduction, substance abuse, safety education, and child abuse awareness. Focus on urban schools and the process of school change. (Open only to students who have completed all required education courses with a grade point average of 3.00 or higher, in and a grade point average of 2.75 or higher in liberal arts and science courses.)
Prerequisite: Childhood and Special Education 3206, 3207 and 4320.

Rationale: The Childhood and Special Education program is updating the course prefix to reflect the new departmental structure in the School of Education. As a part of that update, the Department wishes to restore a number of courses that were withdrawn under the EDUC rubric, and offer them as CBSE courses.

Originally this course was EDUC 4321, but was modified to CBSE 4321 in Section A-V of CD 353, passed simultaneously with this CD 354. Other modifications, also made in CD 353, have been incorporated here.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.

SECTION A-VI: OTHER CHANGES

Department of Physical Education and Exercise Science

Withdrawal of Courses

Note: This is a list of the Department's current courses. Those that are marked with ~~strikeout~~ are being deleted, but those not struck out are being retained (for now). If a current course is omitted from the list, it is being retained.

~~PEES *+1001 Fundamental Skills in Movement Activity (Archery)~~
~~PEES *+1002 Fundamental Skills in Movement Activity (Badminton)~~
~~PEES *+1003 Fundamental Skills in Movement Activity (Fencing)~~
~~PEES *+1004 Fundamental Skills in Movement Activity (Golf)~~
~~PEES *+1005 Fundamental Skills in Movement Activity (Gymnastics—women)~~
~~PEES *+1006 Fundamental Skills in Movement Activity (Recreational Activities)~~
~~PEES *+1007 Fundamental Skills in Movement Activity (Self-defense)~~
~~PEES *+1008 Fundamental Skills in Movement Activity (Skiing)~~
~~PEES *+1009 Fundamental Skills in Movement Activity (Tennis)~~
~~PEES *+1010 Fundamental Skills in Movement Activity (Track and Field)~~
~~PEES *+1012 Fundamental Skills in Movement Activity (Basketball—Men)~~
~~PEES *+1013 Fundamental Skills in Movement Activity (Field Hockey)~~
~~PEES *+1014 Fundamental Skills in Movement Activity (Soccer)~~
~~PEES *+1015 Fundamental Skills in Movement Activity (Softball)~~
~~PEES *+1016 Fundamental Skills in Movement Activity (Team Handball)~~
~~PEES *+1017 Fundamental Skills in Movement Activity (Touch Football)~~
~~PEES *+1018 Fundamental Skills in Movement Activity (Volleyball)~~
~~PEES *+1020 Fundamental Skills in Movement Activity (Swimming)~~
~~PEES *+1021 Fundamental Skills in Movement Activity (Ballroom Dancing)~~
~~PEES *+1022 Fundamental Skills in Movement Activity (Folk and Square Dance)~~
~~PEES *+1023 Fundamental Skills in Movement Activity (Israeli Folk Dance)~~
~~PEES *+1024 Fundamental Skills in Movement Activity (Wall Sports)~~
~~PEES *+1025 Fundamental Skills in Movement Activity (Aerobics)~~
~~PEES *+1026 The Alexander Technique~~
~~PEES *+1027 Fundamental Skills in Movement Activity (Body Conditioning)~~
~~PEES *+1028 Fundamental Pilates~~
~~PEES *+1029 Fundamental Skills in Movement Activity (Yoga)~~
~~PEES *+1030 Advanced Beginning Swimming~~
~~PEES +1040 Intermediate Skills in Movement Activity (Swimming)~~
~~PEES +1041 Intermediate Skills in Movement Activity (Archery)~~
~~PEES +1042 Intermediate Skills in Movement Activity (Badminton)~~
~~PEES +1043 Intermediate Skills in Movement Activity (Fencing)~~
~~PEES +1044 Intermediate Skills in Movement Activity (Wall Sports)~~
PEES 1046 Intermediate Alexander Technique
~~PEES +1047 Intermediate Skills in Movement Activity (Self-Defense)~~
PEES 1048 Pilates Intermediate

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

~~PEES +1049 Intermediate Skills in Movement Activity (Tennis)~~
~~PEES +1051 Intermediate Skills in Movement Activity (Social Dance)~~
~~PEES +1052 Intermediate Skills in Movement Activity (Folk and Square Dance)~~
~~PEES +1053 Intermediate Skills in Movement Activity (Israeli Folk Dance)~~
~~PEES +1054 Intermediate Skills in Movement Activity (Soccer)~~
~~PEES +1055 Intermediate Skills in Movement Activity (Softball)~~
~~PEES +1056 Intermediate Skills in Movement Activity (Team Handball)~~
~~PEES +1057 Intermediate Skills in Movement Activity (Body Conditioning)~~
~~PEES +1058 Intermediate Skills in Movement Activity (Volleyball)~~
~~PEES +1059 Intermediate Skills in Movement Activity (Yoga)~~
~~PEES +1070 Advanced Techniques in Movement Activity (Swimming)~~
~~PEES +1072 Advanced Techniques in Movement Activity (Badminton)~~
~~PEES +1073 Advanced Techniques in Movement Activity (Fencing)~~
~~PEES +1074 Advanced Techniques in Movement Activity (Wall Sports)~~
~~PEES +1078 Advanced Techniques in Movement Activity (Volleyball)~~
~~PEES +1079 Advanced Techniques in Movement Activity (Tennis)~~
~~PEES +2112 Theory and Practice of Basketball~~
~~PEES +2113 Theory and Practice of Football~~
~~PEES +2114 Theory and Practice of Soccer~~
~~PEES +2122 Theory and Practice of Dual Games~~
~~PEES +2123 Theory and Practice of Baseball~~
~~PEES +2124 Theory and Practice of Track and Field~~
~~PEES +2131 Theory and Practice of Combative Sports~~
~~PEES +2135 Group Games~~
~~PEES +2138 Officiating at Team Games~~
~~PEES +2156 Theory and Practice of Volleyball and Softball~~
~~PEES +2158 Theory and Practice of Archery and Fencing~~
~~PEES +2171 Theory and Practice of Folk Dancing~~
~~PEES 2191 Lifeguarding~~
~~PEES 2192 Leadership in Aquatics~~
~~PEES 1501 Special Topics in Physical Education and Exercise Science~~
~~PEES 1502 Special Topics in Physical Education and Exercise Science~~
~~PEES *1506 Special Topics in Physical Education Activities~~
~~PEES *1507 Philosophical Perspectives of Physical Education~~
~~PEES *+2014 Stunts and Gymnastics~~
~~PEES *2016 Behavioral Perspectives~~
~~PEES 3003 Orientation to Physical Education and Exercise Science~~
~~PEES *+3004 Fundamentals of Physical Conditioning~~
~~PEES *3006 The Olympic Games~~
~~PEES *3008 Theory of Exercise and Fitness~~
~~PEES 3023 First Aid and Safety~~
~~PEES 3026 Health Aspects and Techniques for the Athletic Trainer~~
~~PEES 3027 Advanced Athletic Training~~
~~PEES 3041 Emergency Care~~
~~PEES 3042 Emergency Care Practicum~~
~~PEES 3045 Leadership in Emergency Care~~

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

~~PEES 3070 Principles, Materials, and Leadership in Recreation~~
PEES 3075 Evaluation in Physical Education
PEES 3110 Instructional Strategies in Physical Education (K-12)
PEES 3211 Movement Perspectives
PEES 3213 Motor Learning and Human Performance
PEES 3271 Human Physiology
PEES 3275 Human Anatomy
PEES 3321 Physical Education for the Emotionally Disturbed and Physically Disabled
PEES 3322 Recreational Therapy
PEES 3323 Activities for the Mentally Retarded
PEES 4229 Physiology of Exercise
PEES 4230W Physiology of Exercise
PEES 4231 Exercise Testing and Prescription
PEES 4251 Applied Anatomy and Kinesiology
PEES 4421 Field Experience I
PEES 4422 Field Experience II
PEES 5082 Independent Study
PEES 5083 Directed Research
~~DANC 2001 Introduction to Modern Dance Technique I~~
~~DANC 2002 Introduction to Modern Dance Technique I~~
~~DANC 2011 Introduction to Modern Dance Technique II~~
~~DANC 2012 Introduction to Modern Dance Technique II~~
~~DANC 5041 Independent Work in Dance~~
~~DANC 5042 Independent Work in Dance~~
~~DANC 5051 Independent Work in Dance~~
~~DANC 5052 Independent Work in Dance~~
~~DANC 5061 Independent Work in Dance~~
~~DANC 5062 Independent Work in Dance~~
~~DANC 5090 Seminar in Style Criticism~~

Inactive courses also being withdrawn:

~~PEES 2134 Swimming and Diving~~
~~PEES 2136 Movement Activities in Early Childhood~~
~~PEES 3014 Coaching~~
~~PEES 3021 Psychology of Sport and Physical Activity~~
~~PEES 3024 Physical Education in the Elementary School~~
~~DANC 2010 Survey of Twentieth-Century Dance~~
~~DANC 2061 Ballet~~
~~DANC 2062 Ballet~~

SECTION A-VI: OTHER CHANGES

Department of Secondary Education

Restoration of Withdrawn Courses

3456 Teaching Students with Special Needs

45 hours; 3 credits

Objectives, variations and clinical practice in collaborative and co-teaching methodology and curriculum development, evaluation, regulatory compliance, and application of early interventions to teaching children and youth with special needs. Making subject matter in the content areas understandable to students with a wide range of disabilities. Mastering, improvising, and adapting techniques for students with special-needs. Motivation and evaluation for children and youth with special-needs. This course is the same as Childhood and Special Education 3456.

Rationale: To meet requirements contained in “Regulation Changes for All Teacher Education Programs and Restructuring Students with Disabilities,” New York State Education Department Revised Guidance, November 5, 2010. The requirement compels teacher education programs to have a stand-alone course that focuses on preparing teachers in the content areas to teach students with disabilities. We are therefore restoring this course.

Originally this course was EDUC 3456, but was modified to CBSE 3456 and SEED 3456 in Section A-V of CD 353, passed simultaneously with this CD 354. Other modifications, also made in CD 353, have been incorporated here.

Date of departmental approval: March 13, 2012.

Effective date: Fall 2012.