

PART A: ACADEMIC MATTERS

The following recommendations of the Committee on Undergraduate Curriculum were approved at the Mildred and George Weissman School of Arts and Sciences Faculty Meeting on October 14, 2009 effective the Fall 2010 semester, pending approval of the Board of Trustees.

Section AIII: Changes in Degree Programs

AIII:10.1a. The following revisions are proposed for the Literature in Translation Tier III Minor

From	To
<p>Students who choose to develop their intellectual abilities in literature in translation may select two courses at the 3000-level or above from the literature in translation section of the department's course offerings. To complete their minors, students must enroll in an appropriate capstone course. Any 4000- or 5000-level course in literature in translation may serve as capstone for the Tier III requirement. All courses are taught in English.</p>	<p><u>The minor in comparative literature provides students with a thorough knowledge of several national literatures through comparative and interdisciplinary study. Students must complete three courses at the 3000 level or higher, at least one of which must be a capstone, 4000-level course. Students are also encouraged to pursue the study of a foreign language.</u></p>

Rationale: The designation "Literature in Translation" does not correspond to a specific academic discipline and no longer meets the needs of the Department. "Comparative Literature," by contrast, constitutes a recognized scholarly field with a long history and would provide students with an established and acclaimed area of scholarly work in which they can think through important issues on literature and culture and complete their minor.

Section AIV: New Courses

AIV:10.1a. Department of Natural Sciences

Course Number: BIO 3040

Title: Plants in Action

Hours: 6.0 (2 lecture, 4 lab)

Credits: 4.0

Prerequisite: A one-semester college natural science course with laboratory and departmental permission

Course Description: This course explores how plants are central to life on earth and the human condition. In addition to studying basic plant structure, physiology, and classification, students will study how plants are producers, converting energy from the sun into the energy of chemical bonds that are used by all organisms. They will study how plants are used to produce biofuels and as bioremediators to clean up pollutants. They will also examine how, through molecular and cellular biology, plants become biofactories to produce medicines. This course may be used as an elective within the Interdisciplinary Tier III Minor in Environmental Sustainability, or in the Tier III Minor in Natural Sciences.

Rationale: Plants are central to most ecosystems; they are used as food, oxygen producers, alternate energy factories, medicine producers, and bioremediators. The department does not currently offer any botany courses; Plants in Action is, therefore, an important addition to the curriculum. This course will be offered yearly with a projected enrollment of 22 students. It may be used as an elective within the Interdisciplinary Tier III Minor in Environmental Sustainability, the Tier III Minor in Natural Sciences, or as a general elective for the BA, BBA, and BS degrees by students interested in biological sciences.

AIV:10.2a. Department of Natural Sciences

Course Number: CHM 4010

Title: Medicinal Chemistry

Hours: 6.0 (3 lecture, 3 lab)

Credits: 4.5

Prerequisite: CHM 3003; pre-or corequisite: CHM 3006 and departmental permission

Course Description: This course is offered to students interested in pursuing a career in the area of medicine, dentistry or pharmaceutical chemistry. Topics include: concepts in drug discovery; classifications of drugs; identification of pharmacophores—the active portions of molecules; mechanisms of drug action; metabolism and toxicity of drugs; drug delivery and prodrugs; and drug synthesis. In addition, students are introduced to computer-aided drug design. The laboratory highlights experimental techniques commonly used in drug discovery. The course includes a visit from a medicinal or pharmaceutical chemist from academia or industry. This course may serve as the capstone for the Tier III minor in Natural Sciences.

Rationale: This course provides students with a new direction in the science curriculum: to develop proficiency in computational chemistry, an important tool in drug design. The course will have special appeal to students interested in pharmacy and the pharmaceutical industry. This course will be offered in the spring semester with a projected enrollment of 15. It may be used as a capstone by students completing the Tier III Minor in Natural Sciences and as a general elective for the BA, BBA, and BS degrees by students interested in biological sciences.

AIV:10.3a. Department of Natural Sciences

Course Number: ENV/BIO 3050

Title: Freshwater Ecology

Hours: 6.0 (2 lecture, 4 lab)

Credits: 4.0

Prerequisites: CHM 2003, BIO 3001, and departmental permission

Course Description: This course explores the structure and function of freshwater ecosystems with an emphasis on the interaction between the physiochemical environment and the behavioral and physiological adaptations of the organisms that inhabit them. All topics will include discussion of past and future human pressures on freshwater environments globally. This course may be used as an elective within the Interdisciplinary Tier III Minor in Environmental Sustainability, or in the Tier III Minor in Natural Sciences.

Rationale: Fresh water has become an ever more precious resource as the human population has swelled. This new course adds a key subject area to the science curriculum at Baruch College. This cross-listed course will be offered in alternate years with a projected enrollment of 22 students. It may be used as an elective within the Interdisciplinary Tier III Minor in Environmental Sustainability, the Tier III Minor in Natural Sciences, or as a general elective for the BA, BBA, and BS degrees by students interested in biological sciences and ecology.

AIV:10.4a. Department of Natural Sciences

Course Number: ENV 4005

Title: Ecosystem Sustainability

Hours: 5.0 (3 lecture, 2 lab)

Credits: 4.0

Prerequisite: Two laboratory science courses at the 3000-level or above in environmental studies and/or biology and departmental permission.

Course Description: The long-term sustainability of ecosystems is a common goal for natural resource agencies. This goal can be achieved only through successful ecosystem management. In this course, students study the theoretical background and current status of the science-based knowledge of ecosystem management through an exploration of the use/misuse of ecosystems and the natural resources they provide.

This course may serve as the capstone for the Interdisciplinary Tier III Minor in Environmental Sustainability or the Tier III minor in Natural Sciences.

Rationale: Sustainability is a watchword in ecosystem management and in planning communities and/or industrial centers. This course will add an important dimension to the offerings in Natural Sciences for students taking courses in biological sciences and environmental studies. This course will be offered yearly (spring semester) with a projected enrollment of 22 students. It may be used as a capstone by students completing the Interdisciplinary Tier III Minor in Environmental Sustainability or the Tier III Minor in Natural Sciences, and may be taken as a general elective for the BA, BBA, and BS degrees by students interested in science and society.

AIV:10.5a. Department of Natural Sciences

Course Number: PHY 4130

Title: Modern Physics

Hours: 6.0 (3 lecture, 3 lab)

Credits: 4.0

Prerequisite: PHY 3010 and 3020; or PHY 2003 and 3001 with permission of the instructor. Department permission is required.

Course Description: This class explores the central revolutionary ideas of special relativity and quantum mechanics. After learning the foundations and formulations of these ideas, students will be exposed to their applications in atomic, condensed-matter, nuclear, and particle physics. The success of many of these applications will be demonstrated by laboratory experiments. Students give an oral presentation and submit a written essay on a particular topic in relativity or quantum mechanics. This course may serve as the capstone for the Tier III minor in Natural Sciences.

Rationale: This course is an important addition to the science curriculum; Modern Physics is a standard course at undergraduate institutions, and it provides students with central concepts used in current research in physics. The course will be offered in the fall semester with a projected enrollment of 15. It may be used as a capstone by students completing the Tier III Minor in Natural Sciences/Physics and as a general elective for the BA, BBA, and BS degrees by students with advanced background in mathematics. It is good preparation for the proposed new course in Astrophysics.

AIV:10.6a. Department of Natural Sciences

Course Number: PHY 4201

Title: Astrophysics

Hours: 6.0 (3 lecture, 1.5 lab, 1.5 Field Excursion)

Credits: 4.0

Prerequisite: PHY 3010 and 3020; or PHY 2003 and 3001 with permission of the instructor. PHY 4130, Modern Physics, is recommended. Departmental permission is required.

Course Description: This class explores the physics behind planetary science, stellar processes, galactic dynamics and modern cosmology, as well as the techniques for making astronomical observations. The central ideas are demonstrated by both laboratory experiments and astronomical observations. Students give an oral presentation and submit a written essay on a particular topic in the subject area.

This course may serve as the capstone for the Tier III minor In Natural Sciences.

Rationale: This course is an important addition to the science curriculum. Students gain experience applying physical concepts to astronomical phenomena. The course will be offered in the spring semester with a projected enrollment of 15. It may be used as a capstone by students completing the Tier III Minor in Natural Sciences/Physics and as a general elective for the BA, BBA, and BS degrees by students with advanced background in mathematics.

The following recommendations of the SPA Curriculum Committee were approved at the School of Public Affairs Faculty Meeting on April 30, 2009 effective the Spring 2010 semester, pending approval of the Board of Trustees.

Program: BSPA

Program Code: 20526

HEGIS Code: 2102.00

Effective: Spring 2010

AIV:I0.1p. BSPA Program in the School of Public Affairs

Course Number: PAF 3105

Title: Principles of Survey Research

Hours: 3.0

Credits: 3.0

Prerequisites or Co-requisite: None

Expected enrollment: 25

Class size: 30-35

Course Description: The course will examine the history and fundamentals of survey research, including the survey research process and its uses by government, business, non-profits, and the media. The course will cover survey methodologies including telephone and web surveys. Students will learn how to evaluate surveys, put research findings to use, and get hands-on experience designing, executing and analyzing a brief online survey.

Rationale: Principles of Survey Research offers Baruch undergraduates the opportunity to apply social science research methods and statistical tools to real-world challenges. Students interested in political science, market research, psychology, and sociology will have the opportunity to observe theoretical models of behavior and decision-making as they are reflected in popular behavior and opinion. Students will gain a coherent understanding of both the obstacles to good survey research and the utility derived from the process. The course can either be used to meet the 12 required credits in Public Affairs Electives for the BS in Public Affairs, or as free electives to meet the 120 credit requirement for an undergraduate degree.

AIV:I0.2p. BSPA Program in the School of Public Affairs.

Course Number: PAF 3106

Title: Public Opinion, Policy and Management

Hours: 3.0

Credits: 3.0

Prerequisites or Co-requisite: None

Expected enrollment: 25

Class size: 30-35

Course Description: This course examines 1) the role of public opinion in the American constitutional and political frameworks, 2) the public's capacity for meaningful opinion, and 3) the impact on public policy, private enterprise, and the social sciences. The course also looks at survey research techniques and the effect of polls on the American political process.

Rationale: "Public Opinion, Policy and Management" provides students interested in politics, policy, and managerial decision-making with insights into the ways in which public opinion is translated into legislation, regulation, and corporate decision making. Students studying political and management science are made aware of the manner in which information flows within an agency or firm, but are often unaware of the manner in which information flows from the broader public back to key decision-makers. The course will demonstrate to students how opinion-garnering tools such as surveys, polls, and market focus-groups collect information, and ways in which that information is processed to be used in executive decision-making. The course fills a critical gap in the undergraduate curriculum, as no course currently exists which places public opinion within the context of decision making, in any sector. The course can either be used to meet the 12 required credits in Public Affairs Electives for the BS in Public Affairs, or as free electives to meet the 120 credit requirement for an undergraduate degree.

AIV:I0.3p. BSPA Program in the School of Public Affairs.

Course Number: PAF 4402

Title: Survey Research Practicum

Hours: 3.0

Credits: 3.0

Prerequisites or Co-requisite: PAF 3105 and PAF 3106

Expected enrollment: 25

Class size: 25-30

Course Description: Combining the knowledge and methods learned in prior classes with hands-on interviewing experience in the telephone/CATI lab, the course will give students the opportunity to conduct their own survey research project. The class will design, administer and analyze the survey results and will present the findings to the Baruch community.

Rationale: The "Survey Research Practicum" will offer upper-level students interested in surveys and polling the opportunity to design and conduct their own survey, be it for marketing, journalistic, or political purposes. Like other practica offered throughout the curriculum, the course provides students an opportunity to apply theoretical knowledge that they have learned in the classroom to practical ends. The course will make extensive use of the resources of Baruch Survey Research (located within the School of Public Affairs) including the phone bank and the CATI lab. This course will be unique in New York City area for offering undergraduates an opportunity to both design and carry out their own surveys within a professional setting. The course can either be used to meet the 12 required credits in Public Affairs Electives for the BS in Public Affairs, or as free electives to meet the 120 credit requirement for an undergraduate degree.

Section AV: Changes in Existing Courses

AV:10.1a. Change in Prerequisite

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FROM: AAS 4900 Critical Issues in Asian and Asian American Studies		TO: AAS 4900 Critical Issues in Asian and Asian American Studies	
Prerequisites	HIS/AAS 3080 and one course at the 3000 level or higher, or departmental permission	Prerequisites	<u>For AAS minors, two AAS elective courses at the 3000 level or higher, or departmental permission. For HIS minors, two HIS courses at the 3000 level or higher, or departmental permission.</u>

Rationale: HIS/AAS 3080 was previously removed as a required course within the Tier III Minor in Asian and Asian American Studies. The prerequisites for AAS 4900 are being updated to reflect that change.

AV:10.2a. Change in Course Number, Description, and Prerequisites

FROM: BIO 2042 Biology of Invertebrates		TO: BIO <u>3020</u> Biology of Invertebrates	
Description	Study of the structure and function of type invertebrates selected to illustrate morphological, physiological, and ecological adaptations.	Description	<u>This course describes the identifying characteristics of major phyla, classes, and orders of invertebrate animals. Laboratory periods are used to study the morphological, physiological, behavioral, and ecological characteristics of selected invertebrates. Examples of the ecological and economic importance of specific organisms are explained throughout the course.</u>
Prerequisites	departmental permission	Prerequisites	<u>One semester of college laboratory science in environmental studies or biology and departmental permission.</u>

Rationale: The proposed changes update the course on the biology of invertebrates to include recent developments in the field and to demonstrate the ecological and economic importance of freshwater and marine invertebrates in the modern world. The course will be offered in alternate years with a projected enrollment of 22. It may be used as an elective within the Tier III Minors in Environmental Sustainability and Natural Sciences, and as a general elective for the BA, BBA, and BS degrees by students interested in biological sciences and ecology.

AV:10.3a. Change in Prerequisites

FROM: PHY 2003 General Physics I		TO: PHY 2003 General Physics I	
Prerequisites	departmental permission	Prerequisites	<u>MTH 2003 or equivalent</u>

Rationale: The proposed prerequisite is the minimal level of mathematical background required for a student to successfully complete this course. PHY 2003 is not calculus-based; however, virtually all the major concepts are ultimately based on calculus (e.g., Newton invented calculus in order to formulate his laws of motion). General Physics is designed for science majors, who in any case are required to take a mathematics course at the level of MTH 2003 or higher. This should be done prior to taking physics. Finally, a mathematics prerequisite at this level is listed for the course equivalent to PHY 2003 at virtually all other universities.

AV:10.4a. Change in Title

FROM: ENV 3015L Tropical Reef Ecology Laboratory	TO: ENV 3015 Tropical Reef Ecology Laboratory
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Rationale: This is a correction to the June 2009 Chancellor's report; the course number is being changed from ENV 3015L to ENV 3015 to bring it in line with the department's existing practice of giving only lecture sections the "L" designation.

AV:10.5a. Change in Title and Prerequisites

FROM: ENV 3015 Tropical Reef Ecology		TO: ENV 3015L Tropical Reef Ecology	
Prerequisites	ENV 3015L and permission of the instructor	Prerequisites	ENV 3015 and permission of the instructor

Rationale: This is a correction to the June 2009 Chancellor's report; the course number is being changed from ENV 3015 to ENV 3015L to bring it in line with the department's existing practice of giving only lecture sections the "L" designation.

The following recommendations of the SPA Curriculum Committee were approved at the School of Public Affairs Faculty Meeting on September 24, 2009 effective the Spring 2010 semester, pending approval of the Board of Trustees.

AV:10.1p. Change in Description

Program: MPA

Program Code: 01966

HEGIS Code: 2102.00

Effective: Spring 2010

FROM: PAF 9100, Introduction to Public Affairs		To: PAF 9100, Introduction to Public Affairs	
Description	Systematic study of the institutions Americans have developed to pursue the public interest; government, markets, nonprofit organizations, the family. Overview of political economy, institutions, and culture; the policy process; role of values and ethics.	Description	<u>The course is an introduction to politics, government, and public policy in the U.S. It provides a rigorous, scholarly, yet practical view of governmental institutions, policy making, administration, and contemporary public policy. Attention is given to the role of governmental and nongovernmental actors, as well as the influence of history, culture, public opinion, and political economy. Students develop skills in thinking critically and writing clearly about issues of public importance.</u>

Rationale: Course description revised to better describe the course for students and to reflect the content of the course as currently taught. Course faculty also developed learning goals for the course.

AV:10.2p. Change in Description

Program: MSED IN EDUCATIONAL LEADERSHIP

Program Code: 01940

HEGIS Code: 0828.00

Effective: Spring 2010

FROM: PAF 9306		To: PAF 9306	
Title	Education – Theories of Organizing and Personnel Management for the School Administrator	Title	<u>Human Capital Management for the Educational Leader</u>
Description	Review of the fields of personnel management and organizational theory from the point of view of the line supervisor rather than the specialist technician and from the vantage point of	Description	<u>In order to develop human capital in schools—in particular to strengthen the talent of the teacher workforce—districts must effectively recruit, hire, assign, train, organize, evaluate, and pay teachers. This case-based course</u>

	<p>the behavioral sciences. The course will provide basic theories of personnel management, organizing, delegation, controlling and coordinating units, managing by objective, and organizing for change.</p>	<p><u>provides students with the hands-on, practical experience of developing the talent of a district's teachers. In the process, we will study the best practices of districts around the country. (It is highly recommended that students have taken coursework in organizational theory and education policy. Students lacking this grounding may be assigned additional reading.)</u></p>
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Rationale: The prior course title, Organizational Theory, and description are outdated relative to current thinking in the field. Educational researchers and policy makers are in fair agreement that teacher quality is one of—if not the—largest predictor of student success (although there is far less agreement about how to define and measure that quality). As a result, the strategic management of human capital has taken center stage as a way to develop and maintain the quality of a local teacher workforce. Human capital management in public education is less a technocratic approach to managing personnel than a coherent and aligned approach to instructional leadership, cutting across previously disparate district departments. In addition, theories of organizations and change are currently covered in PAF 9310 and PAF 9309.

Section AVI:1a. Courses Withdrawn

- LTT 1041 The Literature of France
- LTT 1042 Existential Themes in Contemporary French Literature
- LTT 1043 Twentieth-Century French Adaptations of the Greek Myths
- LTT 1061 Spanish Literary Masterpieces
- LTT 1062 The Literature of Latin America
- LTT 1063 The Sociological Novel of Spanish America
- LTT 1109 Chinese Literature in English Translation
- LTT 1320 Dead Sea Scrolls in English Translation
- LTT 1321 Hebrew Literature in English Translation
- LTT 1522 Yiddish Literature in English Translation
- LTT 1523 Literature of the Holocaust in English Translation
- LTT 1216 German Romantics in English Translation
- LTT 1218 Modern German and Scandinavian Drama and Novel in English Translation
- LTT 1240 - LTT 1250 Major German Writers in English Translation
- LTT 1242 Bertolt Brecht in English Translation
- LTT 1472 Soviet Russian Literature in English Translation
- LTT 1639 Greek and Roman Drama in English Translation

Rationale: These courses, all of which are at the 1000 level, no longer fulfill any of the Department or College requirements. This is in line with the Department of Modern Languages and Comparative Literature's overall attempt to renew and update the discipline and minor of Comparative Literature.