Office of the Hunter College Senate
Room E1018 Telephone: 772-4200

12 December 2018

TO: Members of the Hunter College Senate

FM: Senate Office

RE: **Approved Curriculum Changes- Part I**

Substantive items listed below were previously mailed to Senators and Department Chairs. Thus, an opportunity for challenge and/or correction was provided. In accordance with Senate resolution the proposals for substantive changes are not attached, but are available in the Senate Office for inspection.

UNDERGRADUATE ROUTINE CHANGES

UR-2236

BIOLOGY DEPARTMENT
Hunter College, CUNY

Routine Change in Course Pre-Requisites

FROM (~~strikethrough~~ what will be changed)		**TO** (underline the changes)	
Name	Principles of Biology I	**Name**	Principles of Biology I
Prefix & Five Digit Course Number (XXXXX)	BIOL 10000	**Prefix & Five Digit Course Number (XXXXX)**	BIOL 10000
Pre and/or Co Requisites (specify which are pre, co, or both)	prereq: MATH12500, CHEM 10200	**Pre and/or Co Requisites** (specify which are pre, co, or both)	prereq: CHEM 10200 and MATH 12400 or MATH 12500 or MATH 12550 or MATH 15000 or MATH 15200 or MATH 15500
Hours	7 (3 lec, 3 lab, 1 rec)	**Hours**	7 (3 lec, 3 lab, 1 rec)
Credits	4.5	**Credits**	4.5
Description	The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution. Material Fee: $5 PD credit awarded only upon completion of BIOL 10000 and 10200.	**Description**	The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution. Material Fee: $5 PD credit awarded only upon completion of BIOL 10000 and 10200.
Liberal Arts	**[X] Yes [ ] No**	**Liberal Arts**	**[X] Yes [ ] No**
Grading Scale Undergraduate A-F; Graduate A-C, F; C/NC	A-F	**Grading Scale** Undergraduate A-F; Graduate A-C, F; C/NC	A-F
Core Requirement	____ Not Applicable __X__ Common Core ____ English Composition __X__ Scientific World ____ Math and Quantitative Reasoning ____ Creative Expression __X__ Life and Physical Science ____ U.S. Experience in its Diversity ____ World Cultures and Global Issues ____ Individual and Society	**Core Requirement** (Note: If course is being considered for the Common Core, please see Appendix B for CUNY Common Core Submission Forms. The form must be submitted along with the proposal and syllabus.)	____ Not Applicable __X__ Common Core ____ English Composition __X__ Scientific World ____ Math and Quantitative Reasoning ____ Creative Expression __X__ Life and Physical Science ____ U.S. Experience in its Diversity ____ World Cultures and Global Issues ____ Individual and Society
		Effective Term Note: Most proposals take 2-3 semesters to be available for student to register	Fall 2019

2. Rationale:
MATH 12400 and MATH 12500 are being created to replace MATH 12500, which will be kept on the books for transfer students. Since MATH 12400 and MATH 12550 are equivalent to MATH 12500 they are being added as pre-requisites for this course.

3. Consultation Statement:

a) Is the proposed change likely to affect other Departments or Programs?
[ ] NO [ ] YES – If yes, list department/program:
Has the Department/Program been consulted? [ ] NO [ ] YES [ ] N/A

b) Is this course cross-listed? If so, please list all courses affected.

c) Does this affect the Library? [ ] NO [ ] YES
Have you consulted the subject liaison? [ ] NO [ ] YES [ ] N/A
For new courses or programs, please consult.

BIOLOGY DEPARTMENT
Hunter College, CUNY

Routine Change in Course pre-requisites

FROM (~~strikethrough~~ what will be changed)		**TO** (underline the changes)	
Name	Principles of Biology II	**Name**	Principles of Biology II
Prefix & Five Digit Course Number (XXXXX)	BIOL 10200	**Prefix & Five Digit Course Number (XXXXX)**	BIOL10200
Pre and/or Co Requisites (specify which are pre, co, or both)	Pre-req: BIOL 10000 AND MATH 10100	**Pre and/or Co Requisites** (specify which are pre, co, or both)	Pre-req: BIOL 10000 AND MATH 10100 or MATH 101EN
Hours	7 (3 lec, 3 lab, 1 disc)	**Hours**	7 (3 lec, 3 lab, 1 disc)
Credits	4.5	**Credits**	4.5
Description	Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology. Material fee: $5 PD credit awarded only upon completion of BIOL 10000 and 10200.	**Description**	Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology. Material fee: $5 PD credit awarded only upon completion of BIOL 10000 and 10200.
Liberal Arts	**[x] Yes [ ] No**	**Liberal Arts**	**[x] Yes [ ] No**
Grading Scale Undergraduate A-F; Graduate A-C, F; C/NC	A-F	**Grading Scale** Undergraduate A-F; Graduate A-C, F; C/NC	A-F
Core Requirement	____ Not Applicable _x___ Common Core ____ English Composition __x__ Scientific World ____ Math and Quantitative Reasoning ____ Creative Expression __x__ Life and Physical Science ____ U.S. Experience in its Diversity ____ World Cultures and Global Issues ____ Individual and Society	**Core Requirement** (Note: If course is being considered for the Common Core, please see Appendix B for CUNY Common Core Submission Forms. The form must be submitted along with the proposal and syllabus.)	____ Not Applicable __x__ Common Core ____ English Composition __x__ Scientific World ____ Math and Quantitative Reasoning ____ Creative Expression __x__ Life and Physical Science ____ U.S. Experience in its Diversity ____ World Cultures and Global Issues ____ Individual and Society
		Effective Term Note: Most proposals take 2-3 semesters to be available for student to register	Spring 2019

2. Rationale:

The Mathematics and Statistics department created MATH 101EN as an enhanced version of MATH 10100, i.e MATH 10100 with an extra hour of instruction. Since these are ostensibly the same class, both should be listed as pre-requisites for this course.

3. Consultation Statement:

a) Is the proposed change likely to affect other Departments or Programs?
[x] NO [ ] YES – If yes, list department/program:
Has the Department/Program been consulted? [ ] NO [ ] YES [x] N/A

b) Is this course cross-listed? If so, please list all courses affected.

c) Does this affect the Library? [x] NO [ ] YES
Have you consulted the subject liaison? [ ] NO [ ] YES [x] N/A
For new courses or programs, please consult.

BIOLOGY DEPARTMENT
Hunter College, CUNY

Routine Change in Course pre-requisites

FROM (~~strikethrough~~ what will be changed)		**TO** (underline the changes)	
Name	Honors Principles of Biology II	**Name**	Honors Principles of Biology II
Prefix & Five Digit Course Number (XXXXX)	BIOL 16000	**Prefix & Five Digit Course Number (XXXXX)**	BIOL16000
Pre and/or Co Requisites (specify which are pre, co, or both)	Pre-req: grade of B or better in BIOL 10000 AND MATH 10100	**Pre and/or Co Requisites** (specify which are pre, co, or both)	Pre-req: grade of B or better in BIOL 10000 AND MATH 10100 or MATH 101EN
Hours	7 (3 lec, 3 lab, 1 disc)	**Hours**	7 (3 lec, 3 lab, 1 disc)
Credits	4.5	**Credits**	4.5
Description	Physiological systems and their regulation: internal transport, hormones and gas exchange in plants and animals; osmoregulation; motility; nervous, neuroendocrine, immunological and sensory systems; behavior, reproduction and ecology. Students will read reviews of current research in addition to the required text. Guest speakers and class presentations. Enrollment limited. Core credit awarded only if BIOL 10000 and 16000 are both completed. PD credit awarded only upon completion of BIOL 10000 and 16000.	**Description**	Physiological systems and their regulation: internal transport, hormones and gas exchange in plants and animals; osmoregulation; motility; nervous, neuroendocrine, immunological and sensory systems; behavior, reproduction and ecology. Students will read reviews of current research in addition to the required text. Guest speakers and class presentations. Enrollment limited. Core credit awarded only if BIOL 10000 and 16000 are both completed. PD credit awarded only upon completion of BIOL 10000 and 16000.
Liberal Arts	**[x] Yes [ ] No**	**Liberal Arts**	**[x] Yes [ ] No**
Grading Scale Undergraduate A-F; Graduate A-C, F; C/NC	A-F	**Grading Scale** Undergraduate A-F; Graduate A-C, F; C/NC	A-F
Core Requirement	__X__ Not Applicable ____ Common Core ____ English Composition ____ Scientific World	**Core Requirement** (Note: If course is being considered for the Common	__X__ Not Applicable ____ Common Core ____ English Composition ____ Scientific World

	____ Math and Quantitative Reasoning ____ Creative Expression ____ Life and Physical Science ____ U.S. Experience in its Diversity ____ World Cultures and Global Issues ____ Individual and Society	Core, please see Appendix B for CUNY Common Core Submission Forms. The form must be submitted along with the proposal and syllabus.)	____ Math and Quantitative Reasoning ____ Creative Expression ____ Life and Physical Science ____ U.S. Experience in its Diversity ____ World Cultures and Global Issues ____ Individual and Society
		Effective Term Note: Most proposals take 2-3 semesters to be available for student to register	Spring 2019

2. Rationale:

The Mathematics and Statistics department created MATH 101EN as an enhanced version of MATH 10100, i.e MATH 10100 with an extra hour of instruction. Since these are ostensibly the same class, both should be listed as pre-requisites for this course.

3. Consultation Statement:

a) Is the proposed change likely to affect other Departments or Programs?
[x] NO [ ] YES – If yes, list department/program:
Has the Department/Program been consulted? [ ] NO [ ] YES [x] N/A

b) Is this course cross-listed? If so, please list all courses affected.

c) Does this affect the Library? [x] NO [ ] YES
Have you consulted the subject liaison? [ ] NO [ ] YES [x] N/A
For new courses or programs, please consult.

BIOLOGY DEPARTMENT
Hunter College, CUNY

Routine Change in Course pre-requisites

FROM (~~strikethrough~~ what will be changed)		**TO** (underline the changes)	
Name	Choreographing Genomics	**Name**	Choreographing Genomics
Prefix & Five Digit Course Number (XXXXX)	BIOL 17500	**Prefix & Five Digit Course Number (XXXXX)**	BIOL 17500
Pre and/or Co Requisites (specify which are pre, co, or both)	Pre-req: MATH 10100	**Pre and/or Co Requisites** (specify which are pre, co, or both)	Pre-req: MATH 10100 or MATH 101EN
Hours	3	**Hours**	3
Credits	3	**Credits**	3
Description	This course uses postmodern dance to model biological processes. It is an introductory biology course for non-majors studies in the biological science of molecular genome information through readings, quantitative assignments, movement exercises and artistic lenses. Students explore a detailed examination of heredity and cancer with a focus on contributions of DNA. Students are expected to articulate gene information flow	**Description**	This course uses postmodern dance to model biological processes. It is an introductory biology course for non-majors studies in the biological science of molecular genome information through readings, quantitative assignments, movement exercises and artistic lenses. Students explore a detailed examination of heredity and cancer with a focus on contributions of DNA. Students are expected to articulate gene information flow

	through problem solving, written assignments, oral contributions, and movement forms. Topics covered include the definition of a gene, recombination of genes, the central dogma of genetic flow in a biological system, the 1:1 Pair Rule (Chargaff's rules), DNA sequencing, functional genomics and the relationships of genes to cancer and heredity, as well as ethical issues in medicine. Each student is in charge of their own body and must recognize that they will have to use their body for assignments and in class participation work. Students will be required to talk and move in class (comfortable clothes, flat shoes or bare feet, and a yoga mat are required). Students will have reflective assignments that include written work. Students will be required to develop visual and movement-based models.		through problem solving, written assignments, oral contributions, and movement forms. Topics covered include the definition of a gene, recombination of genes, the central dogma of genetic flow in a biological system, the 1:1 Pair Rule (Chargaff's rules), DNA sequencing, functional genomics and the relationships of genes to cancer and heredity, as well as ethical issues in medicine. Each student is in charge of their own body and must recognize that they will have to use their body for assignments and in class participation work. Students will be required to talk and move in class (comfortable clothes, flat shoes or bare feet, and a yoga mat are required). Students will have reflective assignments that include written work. Students will be required to develop visual and movement-based models.
Liberal Arts	**[x] Yes [ ] No**	**Liberal Arts**	**[x] Yes [ ] No**
Grading Scale Undergraduate A-F; Graduate A-C, F; C/NC	A-F	**Grading Scale** Undergraduate A-F; Graduate A-C, F; C/NC	A-F
Core Requirement	____ Not Applicable __X__ Common Core ____ English Composition __X__ Scientific World ____ Math and Quantitative Reasoning ____ Creative Expression ____ Life and Physical Science ____ U.S. Experience in its Diversity ____ World Cultures and Global Issues ____ Individual and Society	**Core Requirement** (Note: If course is being considered for the Common Core, please see Appendix B for CUNY Common Core Submission Forms. The form must be submitted along with the proposal and syllabus.)	____ Not Applicable __X__ Common Core ____ English Composition __X__ Scientific World ____ Math and Quantitative Reasoning ____ Creative Expression ____ Life and Physical Science ____ U.S. Experience in its Diversity ____ World Cultures and Global Issues ____ Individual and Society
		Effective Term Note: Most proposals take 2-3 semesters to be available for student to register	Spring 2019

2. Rationale:

The Mathematics and Statistics department created MATH 101EN as an enhanced version of MATH 10100, i.e MATH 10100 with an extra hour of instruction. Since these are ostensibly the same class, both should be listed as pre-requisites for this course.

3. Consultation Statement:

a) Is the proposed change likely to affect other Departments or Programs?
[x] NO [ ] YES – If yes, list department/program:
Has the Department/Program been consulted? [ ] NO [ ] YES [x] N/A

b) Is this course cross-listed? If so, please list all courses affected.

c) Does this affect the Library? [x] NO [ ] YES
Have you consulted the subject liaison? [ ] NO [ ] YES [x] N/A
For new courses or programs, please consult.

UR-2241

PHYSICS & ASTRONOMY DEPARTMENT
Hunter College, CUNY

Routine Change in Course Pre-Requisites

FROM (~~strikethrough~~ what will be changed)		**TO** (underline the changes)	
Name	General Physics: Introductory Course in Mechanics, Heat, and Sound	**Name**	General Physics: Introductory Course in Mechanics, Heat, and Sound
Prefix & Five Digit Course Number (XXXXX)	PHYS 11000	**Prefix & Five Digit Course Number (XXXXX)**	PHYS 11000
Pre and/or Co Requisites (specify which are pre, co, or both)	prereq: MATH 12500; ~~pre-calculus or equiv. By math dept. exam.~~	**Pre and/or Co Requisites** (specify which are pre, co, or both)	prereq: MATH 12400 or 12500 or 12550 or 15000 or 15500
Hours	7 hrs (3 lec, 3 lab, 1 rec)	**Hours**	7 hrs (3 lec, 3 lab, 1 rec)
Credits	4.5 cr.	**Credits**	4.5 cr.
Description	For physics and other science majors. First semester of a two-semester introductory physics course using calculus.	**Description**	For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
Liberal Arts	[X] Yes [ ] No	**Liberal Arts**	[X] Yes [ ] No
Grading Scale Undergraduate A-F; Graduate A-C, F; C/NC	A-F	**Grading Scale** Undergraduate A-F; Graduate A-C, F; C/NC	A-F
Core Requirement	____ Not Applicable __X__ Common Core ____ English Composition __X__ Scientific World ____ Math and Quantitative Reasoning ____ Creative Expression __X__ Life and Physical Science ____ U.S. Experience in its Diversity ____ World Cultures and Global Issues ____ Individual and Society	**Core Requirement** (Note: If course is being considered for the Common Core, please see Appendix B for CUNY Common Core Submission Forms. The form must be submitted along with the proposal and syllabus.)	____ Not Applicable __X__ Common Core ____ English Composition __X__ Scientific World ____ Math and Quantitative Reasoning ____ Creative Expression __X__ Life and Physical Science ____ U.S. Experience in its Diversity ____ World Cultures and Global Issues ____ Individual and Society
		Effective Term Note: Most proposals take 2-3 semesters to be available for student to register	Fall 2019

2. Rationale:

MATH 12400 and MATH 12500 are being created to replace MATH 12500, which will be kept on the books for transfer students. Since MATH 12400 and MATH 12550 are equivalent to MATH 12500 they are being added as pre-requisites for this course.

MATH 15000 and MATH 15500 are included as pre-requisite options to allow students who have already taken these advanced courses in high school or other colleges to register without having to obtain waivers for lower-level courses.

3. Consultation Statement:

a) Is the proposed change likely to affect other Departments or Programs?

[x] NO [ ] YES – If yes, list department/program:
Has the Department/Program been consulted? [ ] NO [ ] YES [x] N/A

b) Is this course cross-listed? If so, please list all courses affected.

c) Does this affect the Library? [x] NO [ ] YES
Have you consulted the subject liaison? [ ] NO [ ] YES [x] N/A
For new courses or programs, please consult.