22 February 2017

TO: Members of the Hunter College Senate FM: Senate Office
RE: **Approved Curriculum Changes**

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.

GRADUATE SUBSTANTIVE CHANGES

COMPUTER SCIENCE
GS-1140   Change in courses: CSCI 70500, 74000, and 76100

SOCIOLOGY
GS-1141   New course: GSR 72500

URBAN PUBLIC HEALTH
GS-1143   New courses: NUTR 73600 and 78000
GS-1144   Change in course: NUTR 77000
GS-1145   Change in degree program: MS in Nutrition

(Approved by Graduate Course of Study Committee on 1/31/17.)

UNDERGRADUATE SUBSTANTIVE CHANGES

POLITICAL SCIENCE
US-2113   Change in course: POLSC 49200
US-2115   Change in degree program: BA in Political Science
US-2122   New course: POLSC 49100

BIOLOGY
US-2128   Change in degree program: B.A. Biological Sciences with a concentration in Bioinformatics

ECONOMICS
US-2131   Change in courses: ACCP 38000, 48000, 49000, and ECO 36500

FILM & MEDIA
US-2132   New course: MEDPL 28400

(Approved by Undergraduate Course of Study Committee on 1/31/17.)

GRADUATE ROUTINE CHANGES

                                                   Pages

COMPUTER SCIENCE
GR-1134A   Change in courses: CSCA 72400 and 73000   2-5

Computer Science Department
Hunter College, CUNY

Routine Change in Course title and/or description (please indicate which)

FROM (strikethrough what will be changed)		**TO** (underline the changes)	
Name	Computational ~~Complexity~~	**Name**	Computational Theory
Prefix & Five Digit Course Number (XXXXX)	CSCI 72400	**Prefix & Five Digit Course Number (XXXXX)**	CSCI 72400
Pre and/or Co Requisites (specify which are pre, co, or both)	Prereq: undergraduate course in computer theory and CSCI 705	**Pre and/or Co Requisites** (specify which are pre, co, or both)	Department Permission
Hours	3	**Hours**	3
Credits	3	**Credits**	3
Description	Turing machine model for computation: multiple tapes, multiple heads and nondeterminism, space-bounded and time-bounded TMs; completeness theorems. ~~Some problems will be proven to be NP-complete.~~	**Description**	Turing machine model for computation: multiple tapes, multiple heads and nondeterminism, space-bounded and time-bounded TMs; completeness theorems
Liberal Arts	[ ] Yes [X] No	**Liberal Arts**	[ ] Yes [X] No
Grading Scale Undergraduate A-F; Graduate A-C, F; C/NC	Graduate A-C, F; C/NC	**Grading Scale** Undergraduate A-F; Graduate A-C, F; C/NC	A-C, F
Core Requirement	__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 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.)	__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
		Effective Term Note: Most proposals take 2-3 semesters to be available for student to register	Fall 2017

2. **Rationale:**

Computational Theory and Computational Complexity used to be taught under the term "Complexity". Nowadays the two have been teased apart, with more complexity analysis being included in algorithms courses. The department intended more of a theory course, and term "theory" better reflects what is contained in the existing course description.

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 [ ] 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 [ ] N/A

        For new courses or programs, please consult.

Computer Science Department
Hunter College, CUNY

Routine Change in Course title and/or description (please indicate which)

FROM (strikethrough what will be changed)		TO (underline the changes)	
Name	~~Microcomputer~~ Systems	**Name**	<u>Computer</u> Systems
Prefix & Five Digit Course Number (XXXXX)	CSCI 73000	**Prefix & Five Digit Course Number (XXXXX)**	CSCI 73000
Pre and/or Co Requisites (specify which are pre, co, or both)	Prereq: undergraduate course in computer architecture and CSCI 701	**Pre and/or Co Requisites** (specify which are pre, co, or both)	Department Permission
Hours	3	**Hours**	3
Credits	3	**Credits**	3
Description	Terminology, function units, buses, DMA, interrupts, priorities, memory systems, I/O systems, ~~instruction sets, addressing modes, memory management, time-sharing,~~ networking ~~and interfacing peripherals~~	**Description**	Terminology, function units, buses, DMA, interrupts, priorities, memory systems, I/O systems, <u>parallel processing</u> and networking
Liberal Arts	[ ] Yes [X] No	**Liberal Arts**	[ ] Yes [X] No
Grading Scale Undergraduate A-F; Graduate A-C, F; C/NC	Graduate A-C, F; C/NC	**Grading Scale** Undergraduate A-F; Graduate A-C, F; C/NC	A-C, F
Core Requirement	__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 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.)	__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
		Effective Term Note: Most proposals take 2-3 semesters to be available for student to register	Fall 2017

2. **Rationale:**

The distinction between hardware frameworks (mainframe, micro, super-computer) no longer exists, though any understanding any framework requires topics listed in the description. Parallel processing is currently a very important computing hardware topic and has been added to the list of topics. Addressing modes and time-sharing have lost prominence (the term "time-sharing" is rarely used nowadays) and have been dropped from the list.

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 [ ] N/A
For new courses or programs, please consult.