

9 December 2015

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 SUBSTANTIVE CHANGES

US-2031	ASIAN AMERICAN STUDIES -Change in course: Add course to InS
US-2032	ECONOMICS -Change in course: ECO 355
US-2033	HUMAN RIGHTS PROGRAM -New Course: HR 220 and 320
US-2034	CLASSICAL & ORIENTAL STUDIES -New Course: JPN 27100
US-2035	FILM AND MEDIA STUDIES -New Course: MEDIA 21000
US-2036	ASIAN AMERICAN STUDIES -New Course: ASIAN 22100 -Add "W" and ECo
US-2037	ROMANCE LANGUAGES/PORTUGUESE -Change in course: Add PORT 10100 to WoC

(Approved by Undergraduate Course of Study Committee on 11/10/15 and 11/24/15.)

## GRADUATE SUBSTANTIVE CHANGES

GS-1068	ENGLISH -Change in degree program: Change the name of track in English Literature MA
GS-1069	CURRICULUM & TEACHING/DANCE PROGRAM -Change in degree program: MA in Dance Education
GS-1070	-Change in degree program: Pre-K Dance Education Trans B certification

(Approved by Graduate Course of Study & Academic Requirements Committee on 11/17/15 and 11/24/15.)

## GRADUATE ROUTINE CHANGES

		Page#
GR-1073	GEOGRAPHY -Routine change in courses: GTECH 709, 710, 713, 731, 733	2-6

Department of Geography  
Hunter College, CUNY

**Routine Change in Course Description**

FROM ( <del>strike through</del> the changes)		TO ( <u>underline</u> changes)	
<b>Name</b>	Introduction to Geographic Information Systems	<b>Name</b>	Introduction to Geographic Information Systems
<b>Course &amp; Prefix</b>	GTECH 70900	<b>Course &amp; Prefix</b>	GTECH 70900
<b>Co Requisite</b>	GTECH 71000	<b>Co Requisite</b>	GTECH 71000
<b>Hours</b>	4	<b>Hours</b>	4
<b>Credits</b>	3	<b>Credits</b>	3
<b>Description</b>	Thorough introduction to geographic information systems with an emphasis on spatial data handling and project management.	<b>Description</b>	Thorough introduction to geographic information systems ( <u>GIS</u> ) using <u>multiple desktop and web-based GIS</u> with an emphasis on spatial data handling and project management.
<b>Liberal Arts</b>	[ <input checked="" type="checkbox"/> ] Yes [ <input type="checkbox"/> ] No	<b>Liberal Arts</b>	[ <input checked="" type="checkbox"/> ] Yes [ <input type="checkbox"/> ] No
<b>Grading Scale</b>	A to F	<b>Grading Scale</b>	A to F
<b>Core Requirement</b>	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Common Core <input type="checkbox"/> English Composition <input type="checkbox"/> Scientific World <input type="checkbox"/> Math and Quantitative Reasoning <input type="checkbox"/> Creative Expression <input type="checkbox"/> Life and Physical Science <input type="checkbox"/> U.S. Experience in its Diversity <input type="checkbox"/> World Cultures and Global Issues <input type="checkbox"/> Individual and Society	<b>Core Requirement</b> <small>(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.)</small> <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Common Core <input type="checkbox"/> English Composition <input type="checkbox"/> Scientific World <input type="checkbox"/> Math and Quantitative Reasoning <input type="checkbox"/> Creative Expression <input type="checkbox"/> Life and Physical Science <input type="checkbox"/> U.S. Experience in its Diversity <input type="checkbox"/> World Cultures and Global Issues <input type="checkbox"/> Individual and Society	
		<b>Effective Term</b>	<u>Spring 2016</u>

**2. Rationale:**

The software with which we are teaching GeoInformatics and GIS concepts is increasingly moving from a desktop to a web-based environment. We adjust the course accordingly and would like this to be reflected in the course description.

**3. Consultation Statement:**

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

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

**4. Sample Syllabus:**

All proposals for substantive changes in existing courses must include a sample course syllabus that provides the information below:

N/A

**Department of Geography**  
Hunter College, CUNY

**Routine Change in Course Title and Description**

<b>FROM</b> ( <del>strike through</del> the changes)		<b>TO</b> ( <u>underline</u> changes)	
<b>Name</b>	<del>Introduction to Geographic Information Science</del>	<b>Name</b>	<u>Concepts and Theories in GeoInformatics</u>
<b>Course &amp; Prefix</b>	GTECH 71000	<b>Course &amp; Prefix</b>	GTECH 71000
<b>Co Requisite</b>	GTECH 70900	<b>Co Requisite</b>	GTECH 70900
<b>Hours</b>	3	<b>Hours</b>	3
<b>Credits</b>	3	<b>Credits</b>	3
<b>Description</b>	<del>Theoretical foundations and core concepts of geography and geographical information science. Graduate standing, matriculation in the GIS post-baccalaureate certificate program, and permission of GIS graduate advisor.</del>	<b>Description</b>	<u>Theoretical and conceptual foundations of GeoInformatics and Geographic Information Science.</u>
<b>Liberal Arts</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Liberal Arts</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Grading Scale</b>	A to F	<b>Grading Scale</b>	A to F
<b>Core Requirement</b>	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Common Core <input type="checkbox"/> English Composition <input type="checkbox"/> Scientific World <input type="checkbox"/> Math and Quantitative Reasoning <input type="checkbox"/> Creative Expression <input type="checkbox"/> Life and Physical Science <input type="checkbox"/> U.S. Experience in its Diversity <input type="checkbox"/> World Cultures and Global Issues <input type="checkbox"/> Individual and Society	<b>Core Requirement</b> <small>(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.)</small> <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Common Core <input type="checkbox"/> English Composition <input type="checkbox"/> Scientific World <input type="checkbox"/> Math and Quantitative Reasoning <input type="checkbox"/> Creative Expression <input type="checkbox"/> Life and Physical Science <input type="checkbox"/> U.S. Experience in its Diversity <input type="checkbox"/> World Cultures and Global Issues <input type="checkbox"/> Individual and Society	
		<b>Effective Term</b>	Spring 2016

**2. Rationale:**

The name and the course description have been updated to better reflect the current course focus on conceptual and theoretical-computational aspects of GeoInformatics and Geographic Information Science.

**3. Consultation Statement:**

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

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

**4. Sample Syllabus: N/A**

All proposals for substantive changes in existing courses must include a sample course syllabus that provides the information below:

**Department of Geography**  
Hunter College, CUNY

**Routine Change in Course Title and Description**

<b>FROM</b> ( <del>strike through</del> the changes)		<b>TO</b> ( <u>underline</u> changes)	
<b>Name</b>	<del>Digital Image Processing</del>	<b>Name</b>	<u>Digital Image Processing and LiDAR Remote Sensing</u>
<b>Course &amp; Prefix</b>	GTECH 713	<b>Course &amp; Prefix</b>	GTECH 71300
<b>Pre and/or Co Requisites</b> (specify which are pre, co, or both)	GTECH 712	<b>Pre and/or Co Requisites</b> (specify which are pre, co, or both)	GTECH 71200
<b>Hours</b>	6	<b>Hours</b>	6
<b>Credits</b>	3	<b>Credits</b>	3
<b>Description</b>	<del>Quantitative processing of digital imagery; enhancement; information extraction; classification; algorithms; registration; rectification; lab exercises.</del>	<b>Description</b>	<u>Quantitative processing of digital imagery; enhancement; information extraction; classification; algorithms; registration; rectification; and <b>Light Detection and Ranging (LiDAR) technology and principles and applications; lab exercises.</b></u>
<b>Liberal Arts</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Liberal Arts</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Grading Scale</b>	A-F	<b>Grading Scale</b>	A-F
<b>Core Requirement</b>	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Common Core <input type="checkbox"/> English Composition <input type="checkbox"/> Scientific World <input type="checkbox"/> Math and Quantitative Reasoning <input type="checkbox"/> Creative Expression <input type="checkbox"/> Life and Physical Science <input type="checkbox"/> U.S. Experience in its Diversity <input type="checkbox"/> World Cultures and Global Issues <input type="checkbox"/> Individual and Society	<b>Core Requirement</b> (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.)	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Common Core <input type="checkbox"/> English Composition <input type="checkbox"/> Scientific World <input type="checkbox"/> Math and Quantitative Reasoning <input type="checkbox"/> Creative Expression <input type="checkbox"/> Life and Physical Science <input type="checkbox"/> U.S. Experience in its Diversity <input type="checkbox"/> World Cultures and Global Issues <input type="checkbox"/> Individual and Society
		<b>Effective Term</b>	Spring 2016

**2. Rationale:**

Name change to better reflect the contents of the course, and to emphasize the newer focus on the new LiDAR technology, principles and its applications in various fields in addition to digital Image processing.

**3. Consultation Statement:**

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

Is this course cross-listed? If so, please list all courses. NO

**4. Sample Syllabus:**

NA

**DEPARTMENT OF GEOGRAPHY**  
Hunter College, CUNY

**Routine Change in Course Title and Description**

FROM ( <del>strike through</del> the changes)		TO ( <u>underline</u> changes)	
<b>Name</b>	<del>Computer Programming for Geographic Applications</del>	<b>Name</b>	<u>GeoComputation I</u>
<b>Course &amp; Prefix</b>	GTECH 73100	<b>Course &amp; Prefix</b>	GTECH 73100
<b>Pre and/or Co Requisites</b> (specify which are pre, co, or both)	GTECH 71000 or equivalent prerequisite	<b>Pre and/or Co Requisites</b> (specify which are pre, co, or both)	GTECH 71000 or equivalent prerequisite
<b>Hours</b>	6 hours	<b>Hours</b>	6 hours
<b>Credits</b>	4 credits	<b>Credits</b>	4 credits
<b>Description</b>	<del>Object-oriented programming methods specific to geographic and cartographic applications; programming assignments; graphics. A programming language helpful but not required.</del>	<b>Description</b>	<u>A comprehensive course in programming that concentrates on object-oriented programming methods and algorithms specific to geographic and cartographic applications.</u>
<b>Liberal Arts</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Liberal Arts</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Grading Scale</b>	A to F	<b>Grading Scale</b>	A to F
<b>Core Requirement</b>	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Common Core <input type="checkbox"/> English Composition <input type="checkbox"/> Scientific World <input type="checkbox"/> Math and Quantitative Reasoning <input type="checkbox"/> Creative Expression <input type="checkbox"/> Life and Physical Science <input type="checkbox"/> U.S. Experience in its Diversity <input type="checkbox"/> World Cultures and Global Issues <input type="checkbox"/> Individual and Society	<b>Core Requirement</b> <small>(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.)</small> <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Common Core <input type="checkbox"/> English Composition <input type="checkbox"/> Scientific World <input type="checkbox"/> Math and Quantitative Reasoning <input type="checkbox"/> Creative Expression <input type="checkbox"/> Life and Physical Science <input type="checkbox"/> U.S. Experience in its Diversity <input type="checkbox"/> World Cultures and Global Issues <input type="checkbox"/> Individual and Society	
		<b>Effective Term</b>	<u>Spring 2016</u>

**2. Rationale:**

The course material has evolved since the inception of this course to place more emphasis on algorithms, data structures and GeoComputation.

**3. Consultation Statement:**

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

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

**4. Sample Syllabus:**

**DEPARTMENT OF GEOGRAPHY**  
Hunter College, CUNY

**Routine Change in Course Title and Description**

<b>FROM</b> ( <del>strike through</del> the changes)		<b>TO</b> ( <u>underline</u> changes)	
<b>Name</b>	<del>GIS: Modeling and Problem Solving</del>	<b>Name</b>	GeoComputation II
<b>Course &amp; Prefix</b>	GTECH 73300	<b>Course &amp; Prefix</b>	GTECH 73300
<b>Pre and/or Co Requisites</b> (specify which are pre, co, or both)	GTECH 73100 and GTECH 73200, pre-requisites, and permission of the graduate advisor	<b>Pre and/or Co Requisites</b> (specify which are pre, co, or both)	GTECH 73100 and GTECH 73200, pre-requisites, and permission of the graduate advisor
<b>Hours</b>	3 hours	<b>Hours</b>	3 hours
<b>Credits</b>	3 credits	<b>Credits</b>	3 credits
<b>Description</b>	<del>Writing geographic programs for modeling and problem solving in the Geographic Domain. Both commercial and open source geographic programming libraries are used.</del>	<b>Description</b>	<u>Theory and applications of GeoComputing. Models and algorithms for advanced spatial and temporal modeling are examined and programed. Emphasis is on an object-based computational paradigm and spatial data structures.</u>
<b>Liberal Arts</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Liberal Arts</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Grading Scale</b>	A-F	<b>Grading Scale</b>	A-F
<b>Core Requirement</b>	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Common Core <input type="checkbox"/> English Composition <input type="checkbox"/> Scientific World <input type="checkbox"/> Math and Quantitative Reasoning <input type="checkbox"/> Creative Expression <input type="checkbox"/> Life and Physical Science <input type="checkbox"/> U.S. Experience in its Diversity <input type="checkbox"/> World Cultures and Global Issues <input type="checkbox"/> Individual and Society	<b>Core Requirement</b> <small>(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.)</small> <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Common Core <input type="checkbox"/> English Composition <input type="checkbox"/> Scientific World <input type="checkbox"/> Math and Quantitative Reasoning <input type="checkbox"/> Creative Expression <input type="checkbox"/> Life and Physical Science <input type="checkbox"/> U.S. Experience in its Diversity <input type="checkbox"/> World Cultures and Global Issues <input type="checkbox"/> Individual and Society	
		<b>Effective Term</b>	Spring 2016

**2. Rationale:**

The course material has evolved since the inception of this course to place more emphasis on algorithms, data structures, data models for spatial-temporal analysis and GeoComputation.

**3. Consultation Statement:**

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

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

**4. Sample Syllabus:**