



**ADDENDA TO THE 2014-2016
HOSTOS COMMUNITY COLLEGE
ACADEMIC BULLETIN**

November 2013

January 2014

April 2014

June 2014

November 2014

January 2015

February 2015

April 2015

June 2015

September 2015

November 2015

January 2016

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NEW COURSES EFFECTIVE NOVEMBER 2013

English Department

[ADD] New Course (Catalog Page 106 and 238)

WGS 223 Women in Literature

3 credits 3 hours

Pre-requisite: ENG 111

In this writing intensive course, students will examine representations of women in literature from several historical periods and cultures, reading works by well-known and little-known women writers. Analyzing literature from the perspective of feminist studies, students will consider why women writers have been excluded from the canon, how patriarchal cultures and gender stereotyping have influenced different women's lives and their imaginative writing. This course requires students to complete a research paper using conventions for citation and both print and on-line sources. By the end of the semester, students will be able to identify important differences and similarities among women writers and will have gained knowledge of contributions that woman writers have made over time and across cultures.

[ADD] New Course (Catalog Page 106 and 238)

WGS 251 The Modern Female Detective Novel

3 credits 3 hours

Pre-requisite: ENG 111

This class will familiarize students with the major elements of a particular genre through the study of representative works with a variety of topics and themes. Students will be introduced to the overall goal of deepening their understanding of the genre being studied. Students will read works both in terms of their own individual merits and their contribution to the genre. In addition, students will consider the relationship between form and theme in the genre, and any cultural/historical influences deemed worthy of being examined in relation to it. This course will also enhance student's critical understanding of the rules of a particular genre and how these contribute to the formulation of its predominant themes.

NEW COURSES EFFECTIVE JANUARY 2014

Natural Sciences Department

[ADD] New Course (Catalog Page 164 and 207)

ENV 100 Environmental Issues

3 credits 3 hours

Pre-requisite: MAT 10. If taught in English, ENG 91 or ESL 91. If taught in Spanish, SPA 121.

Co-requisite: MAT 10. If taught in English, ENG 91 or ESL 91. If taught in Spanish, SPA 121.

The student will develop hands-on experience based on the scientific method. They will apply basic concepts from environmental issues in measurements, separation techniques, preparation of mixtures and water analysis.

NEW COURSES EFFECTIVE APRIL 2014

English Department

[ADD] New Course (Catalog Page 106 and 238)

WGS 201 Women and Religious Experiences

3 credits 3 hours

Pre-requisite: ENG 111

This course will study the religious and spiritual writings of women from a diversity of faiths and from many time periods to explore the ways in which women have subscribed to, challenged, subverted, reinterpreted, and sought to change patriarchal religious narratives. Have women been the passive, dominated subjects of religion? Has religion and spirituality offered a venue for access to power for women? Does religion reinforce patriarchal power structures or provide a space to rupture them? How do spiritual texts connect to other aspects of society- gender, sexuality, politics, class, family? If they connect, how do spiritual and religious texts impact these other realms of society? The course will seek answers to these questions by exploring three central concepts: Representations of the divine, the speech silence dichotomy, and politics and power.

Natural Sciences Department

[ADD] New Course (Catalog Page 165 and 207)

ENV 111 Environmental Science I Laboratory

1 credit 2 hours

Pre-requisite: MAT 10. If taught in English, ENG 91 or ESL 91. If taught in Spanish, SPA 121.

Co-requisite: ENV 110. MAT 10. If taught in English, ENG 91 or ESL 91. If taught in Spanish, SPA 121.

The student will develop hands-on experience based on the scientific method. They will apply basic concepts from Environmental Science I in measurements, separation techniques, preparation of mixtures and water analysis.

NEW COURSES EFFECTIVE JUNE 2014

English Department

[ADD] New Course (Catalog Page 114 and 216)

ENG 237 Reading Film

3 Credits 3 Hours

Pre-requisite: ENG 111 or Equivalent

Introduces techniques for interpreting and writing about film. Combines the study of literary elements such as setting, plot, theme and character with the study of filmic elements such as mise-en-scène, cinematography, editing, and sound editing. Introduces the basic history of motion pictures, explores common film genres, and examines the study of adaptation. Reinforces research skills using print and on-line sources specific to the discipline of film studies.

Natural Sciences Department

[ADD] New Course (Catalog Page 174 and 221)

FS 101 Food Studies

3 Credits 3 Hours

Pre-requisite: ENG 91 / ENG 92

This course provides students with fundamental knowledge of the food system and all of its components (e.g., agricultural production, consumption, regional linkages, food and agricultural policies). The course begins with an overview of food systems and the field of food studies and progresses through in-depth examination of the food system from a social science lens and a social justice framework. It also examines alternative food movements and includes examples of community groups working to improve the food system in New York City. The final sessions of this course are dedicated to discussions about employment in the food sector and academic fields of study that address aspects of the food system. The course includes field trips and/or guest lectures to complement readings, assignments, and in-class discussions.

NEW COURSES EFFECTIVE NOVEMBER 2014

English Department

[ADD] New Course (Catalog Page 102 and 202)

ENG 101 Writing Skills and Composition

3 credits 6 hours

Pre-requisite: Passing score on CUNY reading test, and failing score of 48-55 on writing test

Written Skills and Composition expedites students' learning of basic reading and writing skills needed to pass the CUNY Assessment Test in Writing (CATW): comprehension of college-level texts, vocabulary enrichment, summarizing, critical thinking, logical flow of ideas, and control of grammar and mechanics. Simultaneously, this course further develops students' composing and revision skills so that they will be able to produce the increasingly complex and better-structured essays expected of students who successfully complete ENG 110. Toward that end, students will learn how to use class discussions, peer editing, and interdisciplinary readings as the bases for both expository and researched essays. Reading and responding to interdisciplinary texts representing various rhetorical modes, students will gain further practice in paraphrasing and summarizing, enrich their vocabulary and improve their writing, revision, and proofreading skills. Additionally, students will be introduced to the use of print and on-line secondary sources. Upon completion of the course, students will be able to respond critically, in writing, to a variety of texts, integrating their own ideas with those presented in the readings. ENG 101 combines in one semester the work that is usually done in two different courses. Thus, in order to pass ENG 101, students must pass all components of ENG 91, the developmental writing course, and of ENG 110, the first semester of college-level writing.

[ADD] New Course (Catalog Page 102 and 202)

ENG 102 Reading Skills and Composition

3 credits 6 hours

Pre-requisite: Passing the CAT W and a score of 50-69 on the CUNY Reading Test

Reading Skills and Composition expedites students' learning of basic reading and writing skills needed to pass the CUNY Reading Test: comprehension of college-level texts, vocabulary enrichment, summarizing, critical thinking, logical flow of ideas, and control of grammar and mechanics. Simultaneously, this course further develops students' composing and revision skills so that they will be able to produce the increasingly complex and better-structured essays expected of students who successfully complete ENG 110. Toward that end, students will learn how to use class discussions and interdisciplinary readings as the bases for both expository and researched essays. Reading and responding to interdisciplinary texts representing various rhetorical modes, students will gain further practice in paraphrasing and

summarizing, enrich their vocabulary and improve their writing, revision, and proofreading skills. Additionally, students will be introduced to the use of print and on-line secondary sources. Upon completion of the course, students will be able to respond critically to a variety of texts, integrating their own ideas with those presented in the readings. ENG 102 combines the work that is usually done in two different courses into one semester. Thus, in order to pass ENG 102, students must pass all components of the developmental reading course, and of ENG 110, the first semester of college-level writing. Successful completion of the course is equivalent to passing English 110.

NEW COURSES EFFECTIVE JANUARY 2015

English Department

[ADD] New Course (Catalog Page 109 and 212)

ENG 93 Core Reading and Writing

0 Credit 6 Hours

Pre-requisite: Failing both the CUNY Reading Test and the CAT-W OR below 50 on the CUNY Reading Test or below 48 on the CAT-W.

Students are permitted to take ENG 93 two times. After the second time students take this course, if they have still not passed either or both the CAT-W and the CUNY Reading test, they will either take workshops to prepare them to pass the exams or move onto ENG 101 or 102 if they meet the pre-requisites for those courses. ENG 93 is an integrated reading and writing course that emphasizes analytical and critical thinking through reading and writing assignments across academic disciplines. Students will develop strategies for vocabulary development and comprehension through discussions of and written responses to cross-disciplinary texts. Students will learn to become active readers and writers, who summarize and explain their understanding of ideas, support their analysis with appropriate references to the readings, revise and edit their work effectively. By the end of the semester, students will have acquired strategies for improving their close reading and writing skills. Their successful performance will be assessed through exit examinations.

[ADD] New Course (Catalog Page 114 and 217)

ENG 238 Tutoring Writing English

3 Credits, 3 Hours

Pre-requisite: Completion of ENG 110 and 111 with a grade of B+ or higher, a letter of recommendation from a faculty member, and a successful interview with the Writing Center Director.

This course will cover the basics of tutoring and common issues discussed in tutoring classes. Through observational analysis and interaction with foundational texts about tutoring, students will continue to develop as critical thinkers even as they grow as tutors. This course views writers as the products of multiple and overlapping cultures. As such, this semester-long investigation into tutoring practices, will allow the work of tutoring to complement the development of a broader awareness of writing and thinking within a cultural context. The course will require two hours a week of tutoring in the Writing Center.

Natural Sciences Department

[ADD] New Course (Catalog Page 171 and 195)

BIO 250 Botany of Food

4 Credits 6 Hours

Pre-requisite: BIO 210 or CHE 210

The focus of this course is the study of plants as main source of food for humanity. It includes an in depth study of the history of domestication, nutritional value, propagation and cultivation of the most commonly consumed and

commercialized plants in urban settings. The botanical classification, morphology, anatomy, physiology, reproduction and phyto geography of these domesticated crops is studied. Urban repositories of botanical knowledge (botanical gardens, community gardens, rooftop gardens, vertical gardens, and hydroponic gardens) are discussed as novel adaptations to life in urban settings. Social implications associated with contemporary crop production, society's nutritional needs, and cultural traditions are also analyzed.

[ADD] New Course

FS 120 Food Studies II: Food, Environment and Justice

3 credits 3 hours

Pre-requisite: FS 101, BIO 110, 120 or 210

This course is a continuation of Food Studies I, delving more deeply into environmental aspects of the food system from natural science and environmental justice perspectives. Topics include methods of agricultural production and how they impact and are impacted by natural systems; nutrient cycling in agriculture and food systems: environmental impacts of food processing, packaging, transportation, and waste disposal. Environmental justice implications of course topics are also discussed. The course includes field trips and/or guest lectures.

[ADD] New Course

FS 200 Food, Policy and Advocacy

3 credits 3 hours

Pre-requisites: FS 101, FS 120

This course explores food policy making, food activism, and policy advocacy initiatives at local, regional, national, and international scales. We begin by discussing the concepts of food policy and food advocacy, and proceed to examine how food policy making intersects with and impacts public health, environment, and the regional food system. Jobs in food policy and advocacy sectors are discussed throughout the semester, and guest speakers are invited to contextualize course concepts in the New York City environment.

[ADD] New Course (Catalog Page 174 and)

FS 220 Food, Health, and Environment

3 credits 3 hours

Pre-requisites: FS 101 and FS 120

This course examines the interactions between food production and consumption, health, and environment through environmental and food justice lenses. Building on concepts developed in Food Systems I and II, it explores topics such as public health disparities and their structural causes, environmental toxins in the food system and their impact on workers and consumers, as well as policies that have or could impact these outcomes, in both historical and contemporary contexts. Students will work together to apply classroom knowledge to investigating food security and health at the neighborhood level in NYC. The course includes field trips and/or guest lectures to complement readings, assignments, and in-class discussions.

[ADD] New Course (Catalog Page 174 and)

FS 225 Food Studies Career Practices

1 credit 2 hours

Pre-requisites: FS 101, FS 120

Co-requisite: FS 220

This course prepares students to pursue career and/or future academic opportunities following the completion of their Food Studies Associate's Degree. The course covers identification of career goals; job and academic program search skills; development of effective resumes and cover letters; interviewing skills; entrepreneurship; and employee rights. The course also walks students through the process of identifying a site for the required Food Studies internship, as well as aspects of applying/transferring to Bachelor's program, as appropriate. The course includes presentations from Hostos Community College Career Services, Transfer Services, and other key campus and off-campus resource centers.

[ADD] New Course (Catalog Page 174 and)

FS 230 Food Studies Capstone

3 credits 3 hours

Pre-requisites: FS 101, 120, 200

Co-requisite: FS 200

This course guides students through completion of the Food Studies Associates program and the required Food Studies internship, and is required of all majors. The course integrates conceptual learning, skill-building, and experiential learning to enable students to demonstrate strong foundational knowledge about food studies and food systems. We reflect on key concepts examined in the Food Studies core courses, and draw connections between these concepts, the field based/internship experiences, and students' specific career objectives. By the end of the term, students will have completed their internship; a final paper contextualizing the internship within concepts learned through the Food Studies program; and an e-Portfolio to be used in future applications for employment and other post-graduate opportunities. Students will also give a final presentation about their internship experience in an end-of semester program seminar.

NEW COURSES EFFECTIVE APRIL 2015

Behavioral & Social Sciences Department

[ADD] New Course (Catalog Page and)

HIS 214 Modern African American History

3 Credits 3 Hours

Pre-requisite: ENG 110

This course is a historical survey of the African American experience in the United States from the end of the Civil War through the present. This course examines the thoughts and actions of African Americans from the era of Reconstruction to the present. This course will employ the analytical lenses of race, gender, and class in order to illustrate how African Americans have helped shape the history of the United States since the end of the Civil War. Students will read primary sources and learn methods of historical analysis. Important topics include the Emergence of Jim Crow, the Great Migrations and Urban Development, the Black Women's Club Movement, the Harlem Renaissance, the Civil Rights Movement and "massive resistance," Black Power ideology, and the role of people of African origins in the post-civil rights era.

[ADD] New Course (Catalog Page 95 and)

PSY 250 Introduction to Research Methods

3 Credits 3 Hours

Pre-requisite: PSY 101 or SOC 101 or ANT 101 and ENG 110 and MAT 120

This course will introduce students to the nature of scientific investigation via a comprehensive examination of the scientific method. Students will participate in all aspects of research including hypothesis development, experimental design, data collection and analysis, and written summary of findings. The teaching strategy will combine traditional classroom methods with an interactive hands-on approach to resolve experiment-based. Emphasis will be placed on the development of research questions with the appropriate use design, measurement of variables and controls, and the necessary consideration of validity, reliability and ethics of the experimental approach taken to answer the research questions.

NEW COURSES EFFECTIVE JUNE 2015

Academic Affairs Department

[ADD] New Course (Catalog Page and)

FYS 101 A New York State of Mind: What Makes a City Great

3 Credits 3 Hours

Pre-requisite: ESL / ENG 91, 93 or higher

Co-requisite: ESL / ENG 91, 93 or higher

The First-Year Seminar is a one-semester course that introduces first-year students to the college experience. Centered on a specific inter-disciplinary academic theme, *A New York State of Mind: What Makes a City Great*, the seminar introduces students to the academic experiences of college life while providing them with an integrated approach to developing the study skills and habits of mind they will need to succeed in college. Students will practice academic survival and success strategies such as time-management and note-taking. Students will read, write and discuss academic content both formally and informally and will use multi-media approaches to deepening their understanding of course material. The Seminar fosters critical inquiry, collaborative learning and community building. Students will become familiar with the College's many resources and support services and will participate in a library workshop designed to foster information literacy.

Business Department

[ADD] New Course (Catalog Page and)

OT 105 Electronic Health Records

3 Credits 3 Hours

Pre-requisite: OT 101

Co-requisite: ESL / ENG 91, 93 or higher

This course explores the development and standards of electronic health records. Students will learn the technical components of electronic health records including laboratory information systems, pharmacy information systems, picture archiving and communication systems, order sets, clinical protocols, provider orders, medication administration records, point-of-care charts, and clinical decision support systems. The benefits and barriers of implementing electronic health records will be discussed. The course will also cover personal health records, network architectures, and connectivity. Utilizing materials in the classroom, students will create patient charts.

[ADD] New Course (Catalog Page and)

OT 210 Medical Coding/Billing and Insurance II

3 Credits 3 Hours

Pre-requisite: OT 206 Medical Coding /Billing and Insurance I

Co-requisite: OT 206 Medical Coding /Billing and Insurance I

This course is a continuation of Medical Coding and Billing I. The main focus will include the following: computerized medical billing using the Medisoft Advanced Practice Management Program, the use and advantages of health information technology in the health care profession, coding diagnoses and procedures in the different body systems. The students will continue to navigate the billing program by entering patient information, diagnoses, procedures, payment posting, adjustment, billing statements, collections. Medical insurance rules and guidelines, the relationship between the patient, provider and insurance will also be presented. The student will continue to process the updated CMS 1500 claims and review the electronic submission process. The student will learn how to code for operative reports and summaries.

Education Department

[ADD] New Course (Catalog Page and)

PED 201 Principles and Foundations of Physical Education, Exercise Science, & Sport

3 Credits 3 Hours

Pre-requisite: ESL 91 / ENG 93 or higher

Co-requisite: ESL 91 / ENG 93 or higher

This course involves the processes involved in understanding the historical foundations of physical education, and examining the current issues and trends in physical education and its sub-disciplines.

NEW COURSE EFFECTIVE SEPTEMBER 2015

Business Department

[ADD] New Course (Catalog Page 107 and 238)

OT 209 Medical Office Procedures

3 Credits 3 Hours

Prerequisite: OT 104 Office Systems and Procedures

Co-requisite: OT 104 Office Systems and Procedures

The course is designed to acquaint the student with the routines of a medical office, including medical records, financial records, correspondence, case histories, medical articles, appointment scheduling, and filing methods. The student will acquire these specific skills through office projects such as case histories, medical reports, filing systems, and record-keeping. The student will also develop the skill of transcribing medical records.

NEW COURSES EFFECTIVE NOVEMBER 2015

Humanities Department

[ADD] New Course (Catalog Page 132 and 204)

DD 108 Visual Narrative

3 Credits 3 Hours

This course explores the techniques of visual storytelling through the analysis, critiquing and development of storyboards, graphic novels and comics with the purpose of further understanding the meaning and structure underlying all stories and time-based media. This course explores: Basic Story Structure (Inciting Incident, Gap Widening Events, Climax, Resolution); The Basic Principles of Story Telling (Crisis Decision, Risk = Motivation, The Basic Elements of Comedy, Types of Conflict, Story Argument, Status, Set Up and Pay Off, Subtext); How to Tell a Story Visually (Panels, Framing, Composition, Lay Out, Elements of Design).

[ADD] New Course (Catalog Page 137 and 208)

GD 298 Independent Study I

3 Credits 3 Hours

Pre-requisite: DD 101

The digital independent study credits have been designed to provide students in digital design, animation, music production and game design, professional and practical experience in their field of study.

[ADD] New Course (Catalog Page 137 and 208)

GD 299 Independent Study II

3 Credits 3 Hours

Pre-requisite: DD 101

The digital independent study credits have been designed to provide students in digital design, animation, music production, and game design professional and practical experience in their field of study.

NEW COURSES EFFECTIVE JANUARY 2016

Language & Cognition Department

[ADD] New Course (Catalog Page 152 and 222)

ESL 93 Basic Composition II

3 Credits 6 Hours

Pre-requisite: Continuing students with at least one attempt in ESL 91 with a failing score of 48 – 55 on the CAT-W writing examination and a passing grade on the CAT-R reading examination.

Continuing students who have completed ESL 35 (and ESL 36 or ESL 37); ESL 82 or ESL 84 or ESL 86 or ESL 88 with a failing score of 48 – 55 on the CAT-W writing examination and a passing grade on the CAT-R reading examination.

First-semester students who have placed in the ESL 91 level and have passed the CAT-R reading examination, with a failing score of 48-55 on the CAT-W writing examination.

The goal of this 6-hour course is to give learners of English as a Second Language the opportunity to engage in writing as a means of communication. The students will learn the major rhetorical modes through the preparation of written essays. This will be achieved not only through writing itself but also by means of an extensive reading component that has been woven into the curriculum in order to respond to the advanced skills of the students of the class, all of whom have been admitted to this course with a passing grade on the CAT-R examination and a failing score of 48 - 55 on the CAT-W examination. Reading selections will be analyzed regularly for structure and meaning, and grammar will also be reviewed weekly. In addition, because the readings will be presented in thematic units, students will learn to write summaries reflecting a synthesis of ideas, a skill that is taught in ENG 110 (Expository Writing). Students will also prepare for the CAT-W examination. A passing grade on this examination will entitle students to a passing grade in the course if they have fulfilled all other requirements as well as entrance into ENG 110. As is generally the case, students may be referred to the Writing Center for additional work by their instructor.

[ADD] New Course (Catalog Page 152 and 222)

ESL 94 Readings in the Natural Sciences

1 Credit 3 Hours

Pre-requisite: Continuing students with at least one "R" grade in ESL 92 with a failing score of 60 – 69 on the CAT-R reading examination;

Continuing students who have completed ESL 35 (and ESL 36 or ESL 37) or ESL 82 or ESL 84 or ESL 86 or ESL 88 with a failing score of 60 – 69 on the CAT-R reading examination;

First-semester students who have placed in the ESL 91 level or have passed the CAT-W writing examination, with a failing score of 60-69 on the CAT-R reading examination.

This course has been designed to give students who have already taken ESL 92 ("Foundations in Critical Reading") the opportunity to respond to the challenges of reading advanced texts in the natural sciences as they continue to prepare for the CAT-R reading exam. The texts are more advanced than those normally encountered in ESL 92 because they have been selected to cater to the needs of students with high failing scores (60 to 69) on the reading examination. The readings give students a grasp of the major changes that have occurred in the history of science from antiquity to modern times. Students are given an overview of the progress made in each historical period. By offering students key excerpts from authentic reading materials, they study in depth the contributions of one or two scientists in each period. Students become aware of how different discoveries and scientific theories have contributed to society and human

development but have also clashed with religious and spiritual views throughout history and resulted in conflicts that have often made life dangerous for the innovators because of the threats their ideas posed to the particular status quo of their time. As various topics are discussed in their specific sociocultural context, students consider the varying “tensions” that often exist between scientists and members of the public media and government policy makers and religious leaders and how the “facts” of scientific discoveries in our natural world are not always embraced by everyone despite their apparent authenticity. They also learn to appreciate how these “tensions” have often been mitigated in time and how, through the progress made through scientific inquiry, we humans have become increasingly aware of our ability to tap the resources of the natural world – in ways that have sometimes proven not only to be to our advantage but also to our disadvantage.

In addition to the selected readings, students study a work of fiction or nonfiction during the semester that is related to the scientific experience. Students will have completed a review of this work at the end of the semester. Through the prism of the specific content of the course, students work on refining their reading skills. A conscious effort is made to improve students’ reading comprehension, while focusing on vocabulary development, reference building, past and present, and the critical thinking skills that are essential for success with the college reading experience. In addition, students are given test-taking practice throughout the semester in order to refine their test-taking strategies.

The following college-level pedagogical strategies are incorporated into the course curriculum:

1. Making students aware from the start that reading is a problem-solving process and key to their success in their college programs;
2. Exposing students to more complex prose so that they will acquire the higher-level vocabulary and advanced reading skills necessary to negotiate the more complex academic discourses they will encounter in the major content areas;
3. Learning skimming and scanning strategies;
4. Learning to anticipate outcomes and draw conclusions;
5. Learning to identify and build connections between central points, main ideas, and supporting details;
6. Learning to go from literal comprehension of texts to more interpretive, inferential reasoning;
7. Learning to differentiate between facts and opinions, purpose and tone; different rhetorical modes and text functions;
8. Learning to critically analyze maps, graphs and charts.
9. Learning to create outlines and summaries not only for written texts but also for maps, graphs, and charts;
10. Learning through the reading process how to become better writers;
11. Writing in response to reading.

[ADD] New Course (Catalog Page 152 and 222)

ESL 96 Readings in the Social Sciences

1 Credit 3 Hours

***Pre-requisite:** Continuing students with at least one “R” grade in ESL 92 with a failing score of 60 – 69 on the CAT-R reading examination;*

Continuing students who have completed ESL 35 (and ESL 36 or ESL 37) or ESL 82 or ESL 84 or ESL 86 or ESL 88 with a failing score of 60 – 69 on the CAT-R reading examination;

First-semester students who have placed in the ESL 91 level or have passed the CAT-W writing examination, with a failing score of 60-69 on the CAT-R reading examination.

This course has been designed to give students who have already taken ESL 92 (“Foundations in Critical Reading”) the opportunity to respond to the challenges of reading advanced texts in the social sciences as they continue to prepare for the CAT-R reading exam. The texts are more advanced than those normally encountered in ESL 92 because they have been selected to cater to the needs of students with high failing scores (60 to 69) on the reading examination. The readings give students a grasp of major social issues that are presented in both academic frameworks and the public media. Students will respond to authentic reading materials presenting an overview of different viewpoints and including different styles and genres. As various topics are discussed in their specific sociocultural context, students will reflect on conflicting ideas and tensions. In addition to the selected readings, students will study a work of fiction or nonfiction during the semester that is related to a topic in the social sciences. Students will have completed a review of this work at the end of the semester. Students will also read a weekly selection from the New York Times, which reflects an idea presented in a reading discussed in class.

Through the prism of the specific content of the course, students work on refining their reading skills. A conscious effort is made to improve students' reading comprehension, while focusing on vocabulary development, reference building, past and present, and the critical thinking skills that are essential for success with the college reading experience. In addition, students are given test-taking practice throughout the semester in order to refine their test-taking strategies. The following college-level pedagogical strategies are incorporated into the course curriculum: 1. making students aware from the start that reading is a problem-solving process and key to their success in their college programs; 2. exposing students to more complex prose so that they will acquire the higher-level vocabulary and advanced reading skills necessary to negotiate the more complex academic discourses they will encounter in the major content areas; 3. learning skimming and scanning strategies; 4. learning to anticipate outcomes and draw conclusions; 5. learning to identify and build connections between central points, main ideas, and supporting details; 6. learning to go from literal comprehension of texts to more interpretive, inferential reasoning; 7. learning to differentiate between facts and opinions, purpose and tone; different rhetorical modes and text functions; 8. learning to critically analyze maps, graphs and charts. 9. Learning to create outlines and summaries not only for written texts but also for maps, graphs, and charts; 10. Learning through the reading process how to become better writers; 11. Writing in response to reading.

CHANGES MADE TO EXISTING COURSES EFFECTIVE NOVEMBER 2013

Allied Health Department

[REVISED] Course Description Revised – Catalog Page 76 and 240

XRA 230 Senior Seminar

This course is restricted to senior Radiologic Technology students and incorporates many aspects of the profession including emerging technologies. The goal of this course is to facilitate acquisition of the essential skills necessary to assist students adapt to the workplace environment. It was developed to enhance patient care skills in preparation for employment in various types of healthcare facilities. Required simulations and competencies include: CPR, venipuncture, medical emergencies, pharmacology, vital signs and infection control leading to a certificate of competence. Students are required to compile an oral case study presentation to better understand their patients. The major focus of this course is to assist students better integrate the didactic portion of the program with the clinical experience using simulated comprehensive exams. Resume writing and interviewing techniques will be included.

Behavioral & Social Sciences Department

ADM 2508 Field Practicum / Organization Theory (Catalog Page 87 and 231)

[DELETE] ADM 2508

[ADD] PPA 128

CJ 250 Criminal Justice Workshop (Catalog Page 82 and 190)

[DELETE] 2 Credits

[ADD] 3 Credits

ECO 101 Economics: Microeconomics (Catalog Page 81 and 198)

[ADD] Pre/Co-requisite: MAT 20 or Equivalent

ECO 102 Economics: Macroeconomics (Catalog Page 81 and 198)
[ADD] Pre/Co-requisite: MAT 20 or Equivalent

LEG 130 Legal Research (Catalog Page 84 and 218)
[DELETE] 2 Credits
[ADD] 3 Credits

LEG 131 Legal Writing (Catalog Page 85 and 218)
[DELETE] 2 Credits
[ADD] 3 Credits

POL 107 Political System of Latin America (Catalog Page 85 and 229)
[DELETE] POL 107
[ADD] POL 207
[ADD] Pre-requisite: ENG 110

CHANGES MADE TO EXISTING COURSES EFFECTIVE APRIL 2014

Behavioral & Social Sciences Department

CJ 250 Criminal Justice Workshop (Catalog Page 82 and 190)
[DELETE] Pre-requisite: 3 Credits in Criminal Justice, Law, Police Science or Public Policy
[ADD] Pre-requisite: CJ 101 or PS 101

Business Department

OT 202 Machine Transcription (Catalog Page 98 and 226)
[DELETE] Pre-requisite: OT 101
[ADD] Pre-requisite: OT 102

Mathematics Department

MAT 200 Modern Programming (Catalog Page 153 and 221)
[DELETE] MAT 200
[DELETE] Pre-requisite: MAT 160
[DELETE] Co-requisite: ESL 35
[ADD] MAT 215
[ADD] Pre-requisite: MAT 210, ESL 35
[ADD] Co-requisite: MAT 210, ESL 35

Natural Sciences Department

ENV 110 Environmental Science I (LPS) (Catalog Page 164 and 221)
[DELETE] 4 credits 5 hours
[ADD] 3 credits, 3 hours

[ADD] Pre-requisite: If taught in English, ENG 91 or ESL 91. If taught in Spanish, SPA 121. MAT 10

[ADD] Co-requisite: ENV 111. If taught in English, ENG 91 or ESL 91. If taught in Spanish, SPA 121. MAT 10

CHANGES MADE TO EXISTING COURSES EFFECTIVE JUNE 2014

Behavioral & Social Sciences Department

PSY 140 Psychology of Women (Catalog Page 94 and 240)

[ADD] Pre/Co-requisite: ENG 110

SOC 140 Race and Ethnicity (Catalog Page 97 and 242)

[ADD] Pre/Co-requisite: ENG 110

WITHDRAWN COURSES EFFECTIVE JUNE 2014

[DELETE] CHE 324 Organic Chemistry II Lab

CHANGES MADE TO EXISTING COURSES EFFECTIVE JANUARY 2015

Allied Health Department

[REVISED] **Course Description Revised**

XRA 110 Radiography I and Lab

[ADD] All students will analyze detailed information and case studies on the standard/basic radiographic projections of the body and perform them in the on-site energized laboratory. The students will identify, compare, and summarize the positioning terminology, radiographic principles, clinical indications, technical factors, shielding, patient and part position, central ray, collimation, anatomic markers, respiration, and radiographic criteria for each projection covered. The students will also synthesize what they have learned by performing the radiographic procedures in the lab and applying their critical thinking skills to evaluate and correct the images produced using nationally established radiographic criteria for image analysis.

XRA 111 Radiologic Sciences I and Lab

[ADD] This course introduces students to the fundamentals of analog and digital radiography, which includes performance of hands-on lab exercises. In the lecture part of the course, students will discriminate between analog and digital receptor components and identify steps in the imaging processing of both systems. In the lab component for the course, the students will synthesize the theoretical knowledge gained in lectures by forming collaborative hands-on lab exercises. Critical thinking skills will be required to evaluate and correct image technical factors.

XRA 112 Principles of Radiation Physics

[ADD] All students will be introduced to the principles of radiation, fundamentals of applied mathematics, radiologic

units of measurement, and a brief history on the discovery of x-rays. Students will demonstrate an understanding of the basic components of the atom and will be able to identify the structure of matter. Principles of electromagnetic radiation, particulate radiation, electricity and magnetism will be differentiated. Upon conclusion of the course, students will illustrate knowledge of the basic circuits, generators, motors, transformers, timers and rectifiers. Components of the x-ray tube and the production and emission of x-radiation will be examined. Basic radiation safety and exposure practices will be introduced and students will be able to examine the five interactions of radiation with matter.

XRA 113 Topographic Anatomy I

[ADD] This course is a study of skeletal anatomy excluding the skull. Emphasis is placed on the relationship between bony structures. Students will learn to identify body landmarks relevant to radiographic positioning. Classes will stress the importance of identifying radiographic anatomy that correlates to the radiographic images taught in XRA110 Radiographic Positioning I. Visceral anatomy will be taught for the chest and abdomen.

XRA 120 Radiography II and Lab

[ADD] All students will analyze detailed information and case studies on the special/advanced radiographic projections of the body and skull and perform them in the on-site energized laboratory. The students will identify, compare, and summarize the positioning terminology, radiographic principles, clinical indications, technical factors, shielding, patient and part position, central ray, collimation, anatomic markers, respiration, and radiographic criteria for each projection covered. The students will also synthesize what they have learned by performing the radiographic procedures in the lab and applying their critical thinking skills to evaluate and correct the images produced using nationally established radiographic criteria for image analysis.

XRA 122 Radiation Protection

[ADD] This course is designed to familiarize the student with the proper techniques to ensure maximum safety of patients, personnel, and equipment. Current and historical issues related to radiation protection will be discussed. Topics highlighted during the course include: Types and sources of radiation, interaction of x-ray with matter, radiation quantities and units, radiation monitoring, dose limits for exposure to ionizing radiation, equipment design for radiation protection, management of patient radiation dose, management of personnel radiation dose and radioisotopes and radiation protection.

XRA 129 Clinical Radiography I

[ADD] Clinical Radiography I prepares radiography students to perform radiologic procedures on patients with direct technologist supervision. Students will apply radiation protection and standard precautions in the production of radiographs in a healthcare setting while adhering to ARRT legal and ethical guidelines. Students will learn basic Chest and Abdominal Radiography. Basic patient care skills, critical thinking and effective communications skills will be emphasized. Four clinical competencies are required.

Behavioral & Social Sciences Department

PPA 120 Unions

[DELETE] Pre-requisite: PPA 101

[ADD] Pre-requisite: ESL/ENG 91/92; and/or recommended co-requisite PPA 101

Language & Cognition Department

LIN 102 Bilingualism: Living with Two Language (Catalog Page and)

[DELETE] Pre-requisite: ESL 025 and either 026 or 027

[ADD] Co-requisite: ESL/ENG 91

[DELETE] Title: Bilingualism: Living with Two Language

[ADD] Title: Bilingualism

Mathematics Department

MAT 100 Introduction to College Mathematics I (Catalog Page and)

[DELETE] This course provides skills in finite mathematics. Topics: set theory, symbolic logic, systems of numeration, and the metric system.

[ADD] This course provides skills in finite mathematics. Topics: set theory, symbolic logic, probability, systems of numeration, basic modular arithmetic and the metric system.

Natural Sciences Department

BIO 110 Principles of Biology (LPS) (Catalog Page and)

[DELETE] Pre-requisite: If taught in English, ENG 91, ESL 91, If taught in Spanish, SPA 222. MAT 10

[DELETE] Co-requisite: If taught in English, ENG 91, ESL 91, If taught in Spanish, SPA 222. MAT 10

[ADD] Pre-requisite: MAT 10 or passing the COMPASS M1 exam, AND if taught in English: ESL 91, ENG 91 or equivalent, or ENG 101, ENG 102 or higher

[ADD] Co-requisite: BIO 111, AND MAT 10 or passing the COMPASS M1 exam, AND if taught in English: ESL 91, ENG 91 or equivalent, or ENG 101, ENG 102 or higher, if taught in Spanish, SPA 121.

BIO 111 Principles of Biology Laboratory (Catalog Page and)

[DELETE] Pre-requisite: If taught in English, ENG 91 or ESL 91. If taught in Spanish, SPA 222. MAT 10.

[DELETE] Co-requisite: If taught in English, ENG 91 or ESL 91. If taught in Spanish, SPA 222. MAT 10.

[ADD] Pre-requisite: MAT 10 or passing the COMPASS M1 exam, AND if taught in English: ESL 91, ENG 91 or equivalent, or ENG 101, ENG 102 or higher. If taught in Spanish, SPA 121.

[ADD] Co-requisite: BIO 110, AND MAT 10 or passing the COMPASS M1 exam, AND If taught in English: ESL 91, ENG 91 or equivalent, or ENG 101, ENG 102 or higher. If taught in Spanish, SPA 121.

BIO 120 Plants and Society (Catalog Page and)

[DELETE] BIO 120.

[ADD] BIO 130.

BIO 120 Plants and Society Laboratory (Catalog Page and)

[DELETE] BIO 121.

[ADD] BIO 131.

BIO 130 Organismic Biology (Catalog Page and)

[DELETE] BIO 130.

[ADD] BIO 120.

BIO 131 Organismic Biology Laboratory (Catalog Page and)

[DELETE] BIO 131.

[ADD] BIO 121.

BIO 230 Anatomy and Physiology I (LPS) (Catalog Page and)

[DELETE] Pre-requisite: ENG 91 or ESL 91. MAT 20

[DELETE] Co-requisite: ENG 91 or ESL 91. MAT 20

[ADD]: Pre-requisite: MAT 15, MAT 20, or passing the COMPASS /CMAT exam, AND ESL 91, ENG 91 or equivalent,

or ENG 101, ENG 102 or higher

[ADD] Co-requisite: MAT 15, MAT 20, or passing the COMPASS /CMAT exam, AND ESL 91, ENG 91 or equivalent, or ENG 101, ENG 102 or higher

BIO 260 Introduction to Genetics (LPS) (Catalog Page and)

[DELETE] Pre-requisite: BIO 220

[DELETE] Hours: 2 hours lecture / 4 hours lab

[ADD] Pre-requisite: BIO 220 OR BIO 240

[ADD] Hours: 3 hours lecture / 3 hours lab; 1 hour recitation

CHANGES MADE TO EXISTING COURSES EFFECTIVE JUNE 2015

Allied Health Department

[REVISED] Course Description Revised

DEN 213 Advance Clinical Dental Hygiene Practice

[ADD] The student will be able to describe the theory, demonstrate laboratory procedures, and perform selected clinical procedures in the areas of preventive dentistry, periodontology, and general dentistry. It will provide the student with an in depth study of anesthesia and pain control; the mechanism of actions of anesthetic agents as well as other methods of pain control will be studied, demonstrated and practiced.

DEN 222 Dental Specialties

[ADD] This course will heighten the dental hygiene student's understanding and knowledge of the dental patients with varying medical conditions through case base learning, critical thinking exercises, scenarios, reflection and discussion. This course will serve as an onsite internship where students will be required to synthesize and apply the information to plan manage care for the pediatric, geriatric, adult, periodontal and the medical compromised patients.

Business Department

BUS 215 Business Applications Using Excel (Catalog Page and)

[DELETE] Pre-requisite: OT 103

[ADD] Pre-requisite: MAT 10 or higher; ESL91/ENG 93 or higher

[ADD] Co-requisite: MAT 10 or higher; ESL91/ENG 93 or higher

Mathematics Department

MAT 130 Computer Literacy (Catalog Page and)

[DELETE] Pre-requisite: PLACEMENT or MAT 20

[ADD] Pre-requisite: PLACEMENT or MAT 20, ENG 93 or ESL 91 or ESL 93 or ESL 95

[ADD] Co-requisite: ENG 93 or ESL 91 or ESL 93 or ESL 95

CHANGES MADE TO EXISTING COURSES EFFECTIVE SEPTEMBER 2015

Business Department

OT 205 Medical Office Procedures

[DELETE] OT 205

[ADD] OT 209

CHANGES MADE TO EXISTING COURSES EFFECTIVE NOVEMBER 2015

Humanities Department

DD 104 Color Theory & Design (Catalog Page 131 and 203)

[DELETE] Pre-requisite: None

[ADD] Pre-requisite: DD 101

[REVISED] Course Description Revised

This course provides students with a foundational understanding of color from the perspective of design, and helps students to recognize how color choices can enhance or undermine an intended message. The class will explore the basic principles of color theory and its history. Students will learn to apply this information to the practice of graphic design through projects and brief research presentations.

DD 105 2D Design (Catalog Page 131 and 203)

[DELETE] Pre-requisite: None

[ADD] Pre-requisite: DD 101

[REVISED] Course Description Revised

This course will help students to build a familiarity with the use of point, line, shape, value and texture in order to create effective compositions. Knowledge of these fundamentals and how they work will help them to better understand design across media platforms. Students will explore scale, contrast, emphasis, pattern, as well as rhythm by means of exercises and readings. These readings and exercises will serve as a foundation for their future careers in design.

DD 107 Concepts in Animation (Catalog Page 132 and 203)

[DELETE] Pre-requisite: VPA 121

[ADD] Pre-requisite: DD 101

[REVISED] Course Description Revised

This course introduces students to principles and techniques of character animation. With an emphasis on process, experimentation, and critical thinking, students will explore techniques for depicting movement, expression and emotion through an assortment of projects working with traditional and digital animation techniques. Projects will involve physical movement, narrative structure, character development and sound design. By terms end each student will have the beginnings of a sophisticated animation portfolio.

DD 112 Introduction to Web Design (Catalog Page 132 and 204)

[DELETE] Introduction to Web Design

[ADD] Web Design I

[REVISED] Course Description Revised

This course introduces web design principles and basic programming techniques for developing effective and functional web sites. The course provides students with a foundation in hand coding in hypertext markup language (HTML) and cascading style sheets (CSS). Course work will emphasize information design, hierarchical and navigational models, screen-based design considerations, and current industry trends.

DD 113 Introduction to Motion Graphics (Catalog Page 132 and 204)

[DELETE] Introduction to Motion Graphics

[ADD] Motion Graphics and Animation Production

[DELETE] Pre-requisite: DD 101, DD 102

[ADD] Pre-requisite: DD 107

[REVISED] Course Description Revised

This course introduces students to motion graphics and animated short film production through the use of current industry standard software. Students will gain insight into making both independent and commercial animated shorts, through critical viewing, lectures, in-class exercises, and creative projects.

DD 114 Digital Illustration (Catalog Page 132 and 204)

[DELETE] Digital Illustration

[ADD] Digital Illustration I

[DELETE] Pre-requisite: DD 101, DD 102, DD 112

[ADD] Pre-requisite: DD 105, VPA 121

DD 201 Communication Design (Catalog Page 132 and 204)

[ADD] Pre-requisite: DD 101, DD 204

DD 202 Introduction to Final Cut Pro (Catalog Page 132 and 204)

[DELETE] Introduction to Final Cut Pro

[ADD] Video Production

[DELETE] Pre-requisite: DD 102, DD 113

[ADD] Pre-requisite: DD 101

DD 204 Principles of Typography (Catalog Page 133 and 205)

[DELETE] Principles of Typography

[ADD] Typography I

[DELETE] Pre-requisite: DD 101

[ADD] Pre-requisite: DD 105

[REVISED] Course Description Revised

This course provides students with a foundational understanding of typography, its history, principles, considerations, and techniques. Bridging the gap between visual design and language, typography is one of the most important elements of graphic design. The course will explore the power of communication that the letterform holds, and the rules that guide a typographer's hand. Through a series of readings and exercises, students will gain insight into the world of typography.

DD 205 3D Design (Catalog Page 133 and 205)

[DELETE] Pre-requisite: DD 105

[ADD] Pre-requisite: DD 101, VPA 121

[REVISED] Course Description Revised

This course introduces students to three-dimensional design through figure drawing, enlightening gallery/museum visits, and by means of design projects exploring the issues and techniques discovered. Particular attention will be paid

to the importance of depicting the environment, object, and figure.

DD 207 Introduction to Maya (Catalog Page 133 and 205)

[DELETE] Introduction to Maya

[ADD] 3D Computer Animation I

[DELETE] Pre-requisite: DD 101, DD 102, DD 205

[ADD] Pre-requisite: DD 107

[REVISED] Course Description Revised

This class introduces students to 3D computer animation with a series of exercises and projects created to develop a strong foundation. Students will develop necessary modeling, rigging, and animating skills, as well as a solid understanding of the complex software interfaces. Along the way students will be exposed to project development strategies as well as more complex issues dealing with 3D design.

DD 298 Digital Independent Study I (Catalog Page 133 and 205)

[DELETE] 1 Credit

[ADD] 3 Credit

DD 299 Digital Independent Study II (Catalog Page 133 and 205)

[DELETE] 1 Credit

[ADD] 3 Credit

DD 301 Advance Digital Illustration (Catalog Page 133 and 205)

[DELETE] Advance Digital Illustration

[ADD] Digital Illustration II

[DELETE] Pre-requisite: DD 101, DD 102, DD 112,

[ADD] Pre-requisite: DD 114

DD 302 Advance Web Design (Catalog Page 134 and 205)

[DELETE] Advanced Web Design

[ADD] Web Design II

[DELETE] Pre-requisite: DD 101, DD 102, DD 105, DD 106, DD 113, DD 201

[ADD] Pre-requisite: DD 112

[REVISED] Course Description Revised

This course expands on the foundation established in DD112 Web Design I focusing on web design principles and programming techniques for developing web content. Students will further explore hypertext markup language (HTML) and cascading style sheets (CSS) while broadening the scope of their programming knowledge focusing on server-side scripting and relational databases.

DD 305 After Effects (Catalog Page 134 and 206)

[DELETE] After Effects

[ADD] 2D Computer Animation

[DELETE] Pre-requisite: DD 102

[ADD] Pre-requisite: DD 101, DD 107

[REVISED] Course Description Revised

This course is an introductory computer animation class designed to develop fluency in visual expression within time based digital environments. Students will gain a solid foundation in 2D computer animation and effects techniques that will enhance their creative expression. Complimentary relationships between commercial and fine arts work will also

be explored.

DD 307 Advanced Maya (Catalog Page 134 and 206)

[DELETE] Advanced Maya

[ADD] 3D Computer Animation II

[DELETE] Pre-requisite: DD 101, DD 102, DD 107, DD 113, DD 205,

[ADD] Pre-requisite: DD 207

[REVISED] Course Description Revised

In this class students will explore 3D animation to a far deeper extent than previously experienced in its pre-requisite class Introduction to 3D Animation. Students will explore rigging, animating and rendering their own animation short, as well as developing techniques in lighting, skinning, texturing and painting their creations.

DM 201 Synthesizers, Sampling, & MIDI Production (Catalog Page 134 and 206)

[DELETE] Pre-requisite: DM 103, DM 105,

[ADD] Pre-requisite: MUS 101, DM 106

DM 202 Sound Lab I (Catalog Page 135 and 206)

[DELETE] Pre-requisite: DM 201

[ADD] Pre-requisite: MUS 101

[ADD] Co-requisite: DM 106, DM 201

DM 205 Sound Design (Catalog Page 135 and 205)

[DELETE] Pre-requisite: DM 103, DM 105,

[ADD] Pre-requisite: MUS 101, DM 106

[DELETE] Co-requisite: None

[ADD] Co-requisite: DM 201

DM 206 Production I (Catalog Page 135 and 207)

[DELETE] Pre-requisite: DM 205

[ADD] Pre-requisite: MUS 101

[DELETE] Co-requisite: None

[ADD] Co-requisite: DM 106, DM 201

DM 298 Digital Independent Study I (Catalog Page 135 and 207)

[DELETE] 1 Credit

[ADD] 3 Credit

DM 299 Digital Independent Study II (Catalog Page 135 and 207)

[DELETE] 1 Credit

[ADD] 3 Credit

DM 310 Sound as Story (Catalog Page 135 and 207)

[DELETE] Pre-requisite: DM 201, DM 202, DM 205

[ADD] Pre-requisite: MUS 101, DM 106

[DELETE] Co-requisite: None

[ADD] Co-requisite: DM 201

DM 315 Sound Design in Context (Catalog Page 135 and 207)

[DELETE] Pre-requisite: DM 206

[ADD] Pre-requisite: MUS 101

[DELETE] Co-requisite: None

[ADD] Co-requisite: DM 106, DM 201

GD 102 Beyond Games (Catalog Page 137 and 208)

[REVISED] Course Description Revised

This course explores the revolutionary effect that games have had on our culture at large and how artists, sociologists, politicians, musicians and others have used games and gaming tools to create new forms of expression. The class will be divided into four sections focusing on: games as art, games as story, games as social interaction, and games as tools for learning. Students will read and analyze a variety of articles relating to these topics. Students will develop educational games, research related topics and develop papers about their research. In addition students will have the opportunity to create game art as well as explore the narrative power of games.

GD 105 Introduction to Flash (Catalog Page 137 and 208)

[DELETE] Introduction to Flash

[ADD] Game Programming I

[DELETE] Pre-requisite: DD 101,

[ADD] Pre-requisite: GD 101, MAT 100

[REVISED] Course Description Revised

This course introduces students to game programming. Students will explore the core concepts of basic programming techniques, including variables, syntax, conditionals, loops, functions and classes. Students will incorporate their knowledge of illustration, images, text, animation, and sound to create meaningful game experiences in code.

GD 201 Digital Games (Catalog Page 137 and 208)

[DELETE] Pre-requisite, DD 112

[ADD] Pre-requisite: DD 101, GD 101

GD 205 Game Programming (Catalog Page 137 and 208)

[DELETE] Game Programming

[ADD] Game Programming II

[REVISED] Course Description Revised

This course builds on students' programming knowledge and strengthens the foundations and fundamentals of programming with a focus on the creation of games. Here, students build an increased familiarity with programming concepts such as variables, scope, iteration, conditionals as well as basic animation techniques, and with these tools students create a series of game interactions in preparation for conceptualizing and building a final small game. This course also covers Artificial Intelligence, Collision, and Physics algorithms as well as teaching students how to use a variety of pre-built game architectures.

GD 210 Game Studio (Catalog Page 137 and 208)

[DELETE] Pre-requisite: GD 101, DD 112

[ADD] Pre-requisite: GD 105, GD 201

[REVISED] Course Description Revised

This course focuses first on introducing students to how small and large scale game development takes place in the games industry. Students study the different career paths within a company, the development cycle, game marketing and peripheral game markets. Then students develop a group project to create a game from initial concept to final production. Over the course of the semester students are introduced to the principles of developing a project using iterative design methodologies.

CHANGES MADE TO EXISTING COURSES EFFECTIVE JANUARY 2016

Education Department

EDU 105 Social Studies for Young Children (Catalog Page 119 and 209)

[ADD] Pre-requisite: EDU 104

[DELETE] Co-requisite: ENG 91

[ADD] Co-requisite: ENG 93 or ESL 91 or Higher

EDU 107 Creative Art Activities for Young Children (Catalog Page 120 and 209)

[ADD] Pre-requisite: EDU 104 or EDU 131

[DELETE] Co-requisite: ENG 91

[ADD] Co-requisite: ENG 93 or ESL 91 or Higher

EDU 109 Music and Movement (Catalog Page 120 and 210)

[ADD] Pre-requisite: EDU 104 or EDU 131

[DELETE] Co-requisite: ENG 91

[ADD] Co-requisite: ENG 93 or ESL 91 or Higher

EDU 111 Science and Mathematics for Young Children (Catalog Page 120 and 210)

[ADD] Pre-requisite: EDU 104 or EDU 131

[DELETE] Co-requisite: ENG 91

[ADD] Co-requisite: ENG 93 or ESL 91 or Higher

EDU 113 Field Experience in Early Childhood Education I (Catalog Page 120 and 210)

[ADD] Pre-requisite: EDU 104 or EDU 131

[DELETE] Co-requisite: ENG 91

[ADD] Co-requisite: ENG 93 or ESL 91 or Higher

EDU 132 Social Studies in a Bilingual Classroom (Catalog Page 121 and 211)

[ADD] Pre-requisite: EDU 131

[DELETE] Co-requisite: ENG 91

[ADD] Co-requisite: ENG 93 or ESL 91 or Higher

CIVIL ENGINEERING – ACADEMIC PLAN REVISION

EFFECTIVE JANUARY 2014

MAJOR REVISED (Catalog Page 169)
 [FROM] Civil Engineering (Major)
 [TO] Updated Civil Engineering Major

A.S. DEGREE IN CIVIL ENGINEERING REVISED PROGRAM REQUIRED COMMON CORE

English Composition	6
ENG 110Expository Writing.....	3
ENG 111Literature and Composition.....	3
Mathematical and Quantitative Reasoning	4
MAT 210.....Calculus I (Required).....	4
Life and Physical Sciences	4
CHE 210General Chemistry I (Required)	4

FLEXIBLE COMMON CORE

World Cultures & Global Issues

HUM 100.....Introduction to Humanities	3
<i>(Strongly recommended)</i>	

U.S. Experience in its Diversity

HIS 210United States History: Through the Civil War	
OR	
HIS 211Reconstruction to the Present	3
<i>(Strongly recommended)</i>	

Creative Expression

VPA 192.....Public Speaking	3
<i>(Strongly recommended)</i>	

Individual and Society

SOC 101Introduction to Sociology	
OR	
PSY 101General Psychology	3
<i>(Strongly recommended)</i>	

Scientific World

CHE 220General Chemistry (Required)	4
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One additional course from the Flexible Common Core

PHY 210.....General Physics (Required).....	4
Subtotal	34

MAJOR REQUIREMENTS

MAT 200.....Modern Programming.....	3
MAT 220.....Calculus II.....	4
MAT 310.....Calculus III	4
MAT 360.....Differential Equation	3

MAT 320.....	Linear Algebra	3
PHY 220.....	General Physics II.....	4
ENG 202.....	Technical Writing	3
Subtotal.....		24

Choose one of the following concentrations:

Track I - Civil Engineering

*CE 20900	Structural and Site Plans	3
*CE 264	Data Analysis OR	
ENGR 204.....	Electrical Circuits.....	3

Track II - Environmental Engineering & Earth Systems

ENGR 204.....	Electrical Circuits OR.....	3
ENGR 103.....	Analysis Tools for Engineers	2
ENGR 106/EAS 106.....	Earth System Science and Engineering	
	Earth Sciences	4

Subtotal..... 6-7

Total Credits 64-65

*CE 209 and CE 264 will be taken on ePermit at CCNY.

AGING & HEALTH STUDIES – ACADEMIC PLAN

REVISION EFFECTIVE JUNE 2014

MAJOR REVISED (Catalog Page 168)

[FROM] Aging & Health Studies (Major)

[TO] Updated Aging & Health Studies Major

REQUIRED COMMON CORE	CREDITS
English Composition.....	6
ENG 110, ENG 111	
Mathematical and Quantitative Reasoning..	3
MAT 100 <u>OR</u> Higher	

FLEXIBLE COMMON CORE

Choose the English elective from Creative Expression or US Experience in its Diversity

ENG English elective course above 200 Level

OR

One course in a Foreign Language 3

Individual and Society

PSY 101 General Psychology3

SOC 101 Introduction to Sociology.....3

Life & Physical Sciences

BIO 110 Principles of Biology 4

AND

Scientific World

BIO 130 Organismic Biology 4

OR

Life & Physical Sciences

BIO 230 Anatomy and Physiology I..... 4

AND

Scientific World

BIO 240 Anatomy and Physiology II..... 4

MAJOR REQUIREMENTS

PSY 180 Psychology of Aging3

LAC 118 Caribbean Society & Culture

OR

BLS 150 Ethnicity Health and Illness 3

SW 101 Introduction to Social Work

OR

PPA 121 Social Service Administration3

PED elective..... 1

HLT 103..... Interpersonal Relations and Teamwork.....3

HLT 215..... Nutrition 3

GERO 101 Introduction to Gerontology3

GERO 102 Therapeutic Recreation in Long Term Care3

GERO 103..... Health & Aging.....3

GERO 199..... Fieldwork with Older Population.....3

Free electives.....6

Total Credits60

PUBLIC POLICY & ADMINISTRATION – ACADEMIC PLAN REVISION EFFECTIVE JANUARY 2015

MAJOR REVISED (Catalog Page 188)

[FROM] Public Policy & Administration (Major)

[TO] Updated Public Policy & Administration (Major)

REQUIRED COMMON CORE	CREDITS
English Composition	6
ENG 110, ENG 111	
Mathematical & Quantitative Reasoning	3
MAT 100..... Intro to College Mathematics I	
OR	
MAT 120..... Intro to Probability & Statistics	
Life & Physical Sciences	3
BIO 110, BIO 111 (Lab), BIO 210, BIO 220, BIO 230, BIO 240, CHE 105, CHE 110, CHE 210, CHE 220, ENV 110, PHY 105, PHY 110, PHY 120, PHY 210, PHY 220.	
FLEXIBLE COMMON CORE	
CHOOSE ONE (1) COURSE FROM THE FOLLOWING AREAS	
US Experience in its Diversity	3
BLS 114 The African-American Experience OR	
LAC 101..... The Latino Experience in the United States	
World Cultures & Global Issues	3
HIS 201 World History to 1500 OR	
HIS 202 Modern World History	
Individual & Society	3
SOC 101..... Introduction to Sociology	
US Experience in its Diversity	3
POL 101 American Government	
MAJOR REQUIREMENTS	
PPA 101 Fundamentals of Public Administration.....	3
PPA 110 State & Local Government.....	3
PPA 120 Unions and Labor	3
PPA 123 Administration of Personnel Resources.....	3
LAW 101..... Law & Social Change.....	3
LAW 125..... Immigration Law	3
CJ 101..... Introduction to Criminal Justice.....	3
Science Lab	1
Free Electives	8
<i>VPA 192 (Recommended)</i>	
<i>Modern Languages (Recommended)</i>	
MAJOR ELECTIVES: CHOOSE TWO COURSES	6
PPA 111 Federal Administration.....	3
PPA 121 Social Service Administration	3
PPA 122 Health and Welfare Administration	3
PPA 128 Field Practicum	3
PPA 251 Women in Management	3
.....	
LAW 126..... Family Law	3

LAW 150.....	Criminal Law	3
LAW 203.....	Constitutional Law	3
CJ 201	Issues in Law Enforcement	3
CJ 250	Criminal Justice Workshop.....	3
Total Credits		60

OFFICE TECHNOLOGY – ACADEMIC PLAN REVISION

EFFECTIVE SEPTEMBER 2015

REVISED PROGRAM (Catalog Page 187)

OFFICE TECHNOLOGY (A.A.S)

REQUIRED COMMON CORE

CREDITS

English Composition 6
 ENG 110, ENG 111

Mathematical & Quantitative Reasoning 3
 MAT 100 OR MAT 120

Life & Physical Sciences 4
 BIO 110, BIO 111 (Lab), BIO 210, BIO 220, BIO 230, BIO 240, CHE 105, CHE 110, CHE 210, CHE 220, ENV 110,
 ENV 111 (Lab), PHY 105, PHY 110, PHY 120, PHY 210, PHY 220.

FLEXIBLE COMMON CORE

CHOOSE FROM ANY FLEXIBLE COMMON CORE AREA

Behavioral & Social Sciences 3
 Humanities 3
 Liberal Arts Elective 3

MAJOR REQUIREMENTS

CREDITS

BUS 100 Introduction to Business 3
 BUS 201 Principles of Management 3
 BUS 203 Business Communications 3
 OT 101 Basic Computer Keyboarding & Document Formatting 3
 OT 102 Intermediate Computer Keyboarding & Document Formatting 3
 OT 103 Introduction to Computer software Packages 3
 OT 104 Office Systems and Procedures 3
 COOP 101 Introduction to Career Practices 1
 COOP 102 Work Experience I 1

SELECT ONE OPTION FROM THE FOLLOWING:

Administrative Assistant

ACC 100 Introduction to Accounting 2
 BUS 110 Business Ethics 3
 BUS 210 Business Law I 3
 BUS 215 Business Applications Using Excel 3
 BUS 240 Entrepreneurship 3
 Free elective credit 1

OR

Medical Office Manager

HLT 124 Medical Terminology 3
 OT 105 Electronic Health Records 3
 OT 209 Medical Office Procedures 3
 OT 206 Medical Billing and Insurance 3
 OT 210 Medical Billing/Coding and Insurance II 3

Total Credits for Degree **60**

ACCOUNTING FOR FORENSIC ACCOUNTING – ACADEMIC PLAN REVISION EFFECTIVE SEPTEMBER 2015

REVISED PROGRAM (Catalog Page 183)

[FROM] Accounting for Forensic Accounting (Major)

[TO] Fraud Examination & Financial Forensics Program (Major)

DIGITAL DESIGN & ANIMATION – ACADEMIC PLAN REVISION EFFECTIVE NOVEMBER 2015

REVISED PROGRAM (Catalog Page 181)

DIGITAL DESIGN & ANIMATION (A.A.S)

REQUIRED COMMON CORE CREDITS

English Composition 6

ENG 110, ENG 111

Mathematical & Quantitative Reasoning

MAT 100 Intro to College Mathematics **OR** Higher (except MAT 105) 3

Life & Physical Sciences 4

BIO 110, BIO 111 (Lab), BIO 210, BIO 220, BIO 230, BIO 240, CHE 105, CHE 110, CHE 210, CHE 220,

ENV 110, ENV 111 (Lab), PHY 105, PHY 110, PHY 120, PHY 210, PHY 220.

FLEXIBLE COMMON CORE

Individual & Society

PSY 101 General Psychology

OR

SOC 101 Introduction to Sociology 3

CHOOSE FROM ANY FLEXIBLE COMMON CORE AREA

Liberal Arts Electives 5

MAJOR REQUIREMENTS CREDITS

DD 101 Intro to the Digital Toolbox 3

DD 102 Media Design in the Digital Age 3

DD 104 Color Theory & Design 3

DD 105 2D Design 3

VPA 121 Painting & Drawing I 3

LANGUAGE REQUIREMENT (Choose one of the following) 3

Foreign Language 3

DD 112 Web Design I 3

DD 302 Web Design II 3

GD 105 Game Programming I 3

GD 205 Game Programming II 3

CHOOSE ONE MAJOR SEQUENCE

Digital Design Sequence

DD 106 Intro to Usable Design 3

DD 112 Intro to Web Design 3

DD 114 Digital Illustration I 3

DD 201	Communication Design	3
DD 204	Typography I	3

Electives Courses: Choose two courses from the following..... 6

BUS 101	Intro to Business for the Digital Entrepreneur	
DD 107	Concepts in Animation	
DD 113	Motion Graphics and Animation Production	
DD 202	Video Production	
DD 205	3D Design	
DD 207	3D Computer Animation I	
DD 298	Digital Independent Study I	
DD 299	Digital Independent Study II	
DD 301	Digital Illustration II	
DD 302	Web Design II	
DD 305	2D Computer Animation	
DD 307	3D Computer Animation II	
DM 106	Introduction to Recording Technology	
DM 205	Sound Design	
GD 101	Introduction to Games	
GD 105	Game Programming I	
VPA 133	Digital Photography I	
VPA 134	Digital Photography II	

Animation Sequence

DD 107	Concepts in Animation	3
DD 113	Motion Graphics & Animation Production	3
DD 114	Digital Illustration I	3
DD 205	3D Design	3
DD 207	3D Computer Animation I	3

Electives Courses: Choose two courses from the following..... 6

BUS 101	Intro to Business for the Digital Entrepreneur	
DD 106	Intro to Usable Design	
DD 112	Web Design I	
DD 201	Communication Design	
DD 202	Video Production	
DD 204	Typography I	
DD 298	Digital Independent Study I	
DD 299	Digital Independent Study II	
DD 301	Digital Illustration II	
DD 302	Web Design II	
DD 305	2D Computer Animation	
DD 307	3D Computer Animation II	
DM 106	Introduction to Recording Technology	
DM 205	Sound Design	
GD 101	Introduction to Games	
GD 105	Game Programming I	
VPA 133	Digital Photography I	
VPA 134	Digital Photography II	

Total Credits for Degree..... 60

DIGITAL MUSIC – ACADEMIC PLAN REVISION

EFFECTIVE NOVEMBER 2015

REVISED PROGRAM (Catalog Page 182)

DIGITAL MUSIC (A.A.S)

REQUIRED COMMON CORE CREDITS

English Composition 6

ENG 110, ENG 111

Mathematical & Quantitative Reasoning

MAT 100 College Mathematics **OR** Higher (except MAT 105)..... 3

Life & Physical Sciences

PHY 105 Physics of Sound 3

FLEXIBLE COMMON CORE

Individual & Society 3

PSY 101 General Psychology

OR

SOC 101 Introduction to Sociology

Choose from any flexible common core area

Liberal Arts Electives 3

MAJOR COURSES

MUS 101 Fundamentals of Music at the Keyboard..... 3

MUS 102 Music Theory & Ear Training I 3

MUS 118 History of Western Musical Styles 3

Music Electives: Choose any two of the following 6

BLS 161 Hip Hop World View

OR

LAC 262 History of Latin American and Caribbean Music

OR

MUS 114 History of the Film Score

OR

MUS 116 World Music

Digital Music Sequence

DM 103 History of Electronic Music 3

DM 106 Introduction to Recording Techniques 3

DM 201 Synthesizers, Sampling & MIDI Production 3

DM 202 Sound Lab 1 3

DM 205 Sound Design 3

DM 206 Production I 3

Major Area Electives: Choose three of the following 9

BUS 101 Intro to Business for the Digital Entrepreneur 3

DD 101 Intro to the Digital Toolbox 3

DD 102 Media Design in Digital Age 3

DD 107 Concepts in Animation 3

DD 112 Web Design I 3

DD 202 Video Production 3

DM 301	Advance Digital Illustration.....	
DM 310	Sound as Story	
DM 315	Sound Design in Context	
DM 316.....	Production II	
GD 101	Introduction to Games	
MUS 207	Music Theory & Ear Training II	
Total Credits for Degree.....	60

GAME DESIGN – ACADEMIC PLAN REVISION

EFFECTIVE NOVEMBER 2015

REVISED PROGRAM (Catalog Page 184)

GAME DESIGN (A.A.S)

REQUIRED COMMON CORE

CREDITS

English Composition	6
ENG 110, ENG 111	
Mathematical & Quantitative Reasoning	3
MAT 100 College Mathematics or Higher (except MAT 105)	
Life & Physical Sciences	4
BIO 110, BIO 111 (Lab), BIO 210, BIO 220, BIO 230, BIO 240, CHE 105, CHE 110, CHE 210, CHE 220, ENV 110, ENV 1-+11 (Lab), PHY 105, PHY 110, PHY 120, PHY 210, PHY 220.	

FLEXIBLE COMMON CORE

Individual & Society

PSY 101	General Psychology	
OR		
SOC 101	Introduction to Sociology	3

CHOOSE FROM ANY FLEXIBLE COMMON CORE AREA

Liberal Arts Electives	5
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MAJOR REQUIREMENTS

DD 101	Intro to the Digital Toolbox	3
DD 102	Media Design in the Digital Age	3
DD 105	2D Design	3
DD 112	Web Design I	3
GD 101	Introduction to Games	3
GD 102	Beyond Games	3
GD 105	Game Programming I	3
GD 201	Digital Games	3
GD 210	Game Studio	3

Language Requirement (Choose one of the following) **3**

Foreign Language		3
DD 112	Web Design I	3
DD 302	Web Design II	3
GD 105	Game Programming I	3
GD 205	Game Programming II	3

Major Electives: Choose three courses from the following **9**

BUS 101	Intro to Business for the Digital Entrepreneur
DD 113	Motion Graphics and Animation Production
DD 202	Video Production
DD 207	3D Computer Animation I
DD 302	Web Design II
DD 307	3D Computer Animation II
DM 106	Introduction to Recording Techniques
DM 205	Sound Design
GD 205	Game Programming II
MAT 215	Modern Programming
VPA 121	Painting & Drawing I

Total Credits for Degree	60
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RADIOLOGIC TECHNOLOGY – ACADEMIC PLAN

REVISION EFFECTIVE NOVEMBER 2015

REVISED PROGRAM (Catalog Page 189)

RADIOLOGIC TECHNOLOGY (A.A.S)

REQUIRED COMMON CORE

CREDITS

English Composition 6
 ENG 110, ENG 111

Mathematics & Quantitative Reasoning

MAT 105 Mathematics for Allied Health 3

Life & Physical Sciences

BIO 230 Anatomy and Physiology I & Lab 4

FLEXIBLE COMMON CORE

Scientific World

BIO 240 Anatomy and Physiology II & Lab 4

HLT 103 Interpersonal Relations and Teamwork 3

HLT 124 Medical Terminology 3

MAJOR REQUIREMENTS

XRA 110 Radiography I & Lab 2.5

XRA 111 Radiologic Science I & Lab 2.5

XRA 112 Radiologic Physics 2

XRA 113 Topographic Anatomy I 2

XRA 114 Professional Practice Issues in Diagnostic Imaging 2

XRA 120 Radiography II & Lab 2.5

XRA 121 Radiologic Science II & Lab 2.5

XRA 122 Radiation Protection 2

XRA 123 Topographic Anatomy II 1

XRA 124 Contrast Media 1

XRA 129 Clinical Radiography I 2

XRA 139 Clinical Radiography II 3

XRA 210 Radiation Biology 1

XRA 211 Advanced Procedures I 1

XRA 219 Clinical Radiography III 2.5

XRA 220 Pathology 2

XRA 221 Advanced Procedures II 1

XRA 222 Applied Quality Assurance 2

XRA 229 Clinical Radiography IV 2.5

XRA 230 Seminar 2

XRA 239 Clinical Radiography V 2.5

Subtotal **47.5**

Total Credits for Degree **64.5**

EARLY CHILDHOOD EDUCATION – ACADEMIC PLAN

REVISION EFFECTIVE JANUARY 2016

REVISED PROGRAM (Catalog Page 182)

EARLY CHILDHOOD EDUCATION (A.A.S)

REQUIRED COMMON CORE

CREDITS

English Composition	6
ENG 110, ENG 111	
Mathematical & Quantitative Reasoning	3
MAT 100	Introduction to College Mathematics OR Higher (Except MAT 105, MAT 130, MAT 140, MAT 200)*
Life & Physical Sciences	3
BIO 110, BIO 111 (Lab), BIO 210, BIO 220, BIO 230, BIO 240, CHE 105, CHE 110, CHE 210, CHE 220, ENV 110, ENV 111 (Lab), PHY 105, PHY 110, PHY 120, PHY 210, PHY 220.	

FLEXIBLE COMMON CORE

Individual & Society

PSY 101 General Psychology 3

US Experience in its Diversity

HIS 210..... U.S. History: Through the Civil War

OR

HIS 211 U.S. History: Reconstruction to the Present 3

MAJOR REQUIREMENTS

HLT 103	Interpersonal Relations	3
HLT 111	Health and the Young	3
EDU 101	Foundations of Education	3
EDU 107	Creative Arts for Young Children	
OR		
EDU 109.....	Music and Movement	3
EDU 111.....	Science and Mathematics for Young Children.....	3
EDU 113.....	Field Experience in Early Childhood Education I.....	3
EDU 116.....	Child Development.....	3
EDU 130.....	Teaching in the Multicultural/ Multilingual Classroom.....	3
EDU 150.....	Introduction to Special Education.....	3
Science Lab.....		1
Modern Languages		3-4
Physical Education.....		1
Free Electives		3-4

CHOOSE ONE OF THE FOLLOWING CONCENTRATIONS:

Early Childhood Education

EDU 104.....	Language Arts for Young Children.....	3
EDU 105.....	Social Studies for Young Children	3

Bilingual Education

EDU 131.....	Language Arts in a Bilingual Classroom	3
EDU 132.....	Social Studies in a Bilingual Classroom	3

Total Credits for Degree..... **60**

**Effective Fall 2016*