

**QUEENSBOROUGH COMMUNITY COLLEGE**  
**CITY UNIVERSITY OF NEW YORK**  
**CURRICULUM COMMITTEE**

**To:** Emily Tai, Academic Senate Steering Committee

**From:** Philip A. Pecorino, Chairperson, Committee on Curriculum

**Date:** November 28, 2012

**Subject: Monthly Report for DECEMBER 2012**

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The Committee on Curriculum has acted to send the following recommendation to the Academic Senate.

1. **New Courses**
2. **Changes in Courses**

1. **NEW COURSES**

**DEPARTMENT of ENGINEERING TECHNOLOGY**

**EE 205 Linear Systems Analysis** 3 Credits 3 hours of lecture/week

Prerequisites: EE-204

Description: This course is designed to introduce students to Laplace Transforms and Applications, Bode Plots, and Fourier Transforms and Analysis.

**Rationale:** EE204 (Circuits 1) articulation was established with CCNY a long time ago. Electrical engineering majors need to take EE205 (Circuits 2) as well. This course will be offered every semester as engineering student enrollment has increased. The expected enrollment for this course will be about 20 students per semester.

**ET-725 Computer Network Security** 3 Credits 3 hours of lecture / week

Prerequisite ET\_704 or Department Permission

Description: This course covers computer network security design and vulnerabilities. Topics include: Cryptography and encryption, denial-of-service attacks, firewalls and intrusion prevention systems, software and operating system [OS] security, legal and ethical aspects of cybercrime and computer crime.

**Rationale:** The Internet was to be a computer network designed for open and free interchange of ideas and information. The rapid increase in the exchange of computer data over the internet for businesses, education and government institutions raised some security concerns that were not covered in the original internet TCP / IP protocol. Two areas that highlight this need are the increase in internet banking and an increase in internet retail transactions. Securing and safeguarding private data has become very important with an increase in e-commerce, and internet traffic expectations to continue to grow. In 2010 the Census Bureau reported that e-commerce sales accounted for \$170 billion and that upward trend is expected to continue. The need to protect the data centers and corporate network for knowledge and training in computer security is expected to trend upward as well.

After, ET-504 Computer Operating Systems, ET-704, Computers Networking, is taught in the third semester, this additional course is would cover network security issues. Students need to be exposed to and understand the basic network security concepts covered in these courses and how they apply to real world applications. ET-725 will address this need.

This course will give students a practical insight into network and other computer security issues. This practical knowledge will empower students to deal with the growing threat to a network infrastructure and what can be done to make computer systems and networks more secure.

## **CHANGES IN COURSES**

### **DEPARTMENT of FOREIGN LANGUAGES and LITERATURE**

#### **FREN 401 French and Francophone Culture and Society 3 credits 3 hours**

Prerequisites: BE122 (or 226) and BE-112 (or 205), or satisfactory score on the CUNY/ACT Assessment Test. Not credited toward the foreign language requirement in Liberal Arts or Criminal Justice.

Description: Culture in relation to social issues of contemporary France and selected French-speaking societies will be examined through readings, films, museum visits and/or attendance at cultural events in New York City. Topics will be chosen from: art & architecture, music, literature, cinema, photography, cuisine, fashion, sports. Students are guided to do research on their chosen topic. This is a writing intensive course in English.

**Rationale:** This course, given in English and offered fully or partially online, gives students the opportunity to explore aspects of French and Francophone culture and society above and beyond the topics covered in language class. Students will investigate one or two topics more thoroughly, thus developing research, organizational and expository writing skills. Projected enrollment is 25 per semester.

### **DEPARTMENT OF HEALTH, PHYSICAL EDUCATION and DANCE**

**To: HE-200 Emergency Medical Technician\*\*** ~~6 class hours [4] laboratory hours [8] credits~~  
7.5 class hours 4.5 laboratory hours 9.5 credits

Prerequisite: A valid CPR (Cardio-Pulmonary Resuscitation) Certificate, HE-110, or the equivalent; and a valid SFA (Standard First Aid) Certificate, HE-106, or the equivalent.

This course prepares the student for EMT (Emergency Medical Technician) certification. The content and sequence of the course material are mandated by the State of New York Department of Health, Bureau of Emergency Health Services.

Meets national educational guidelines for Emergency Medical Technician Educational standards

**Rationale:** The additional hours are necessary to address key changes that will be implemented to the New York State Department of Health Emergency Medical technician curriculum. The new program requirements will be implemented for courses ending after December 2012. The new curriculum has added 31.6 hours of essential material.

In accordance with the new educational standards there will be more material added to the EMT curriculum. Subjects such as pathophysiology, lifespan development, research and development, incident command, and critical thinking skills will all be added to the new curriculum. In addition material will be added to existing lessons. All of these changes will be reflected on the upcoming certification examination. In addition to new didactic material there will be new psychomotor lab skills added to the program. Separate pediatric skills, additional oxygen and airway skills, and introduction to rescue will also be added to the curriculum.

In response to these upcoming changes we are requesting to add 1.5 credits equating to an additional 30 hours of instruction to this program. Within this request includes a request for an additional eight hours of laboratory skills time. Please see the enclosed an attachment with a proposed schedule for the EMT class that reflects the time requirements for the upcoming curriculum. We respectfully request that these changes take effect for the spring 2012 semester.

### **DEPARTMENT of SOCIAL SCIENCES**

**Prerequisite changes**

**PSYC225 Psychology of Personal Adjustment**

From: Prerequisite PSYC101

To: Prerequisite BE122 (or 226), or satisfactory score on the CUNY/ACT Assessment Test

**Rationale:** After a review of the PSYC225 prerequisite by full-time psychology faculty it was decided that due to the predominant focus of the course on practical applications pertaining to self-management and personal mental health issues the introductory psychology prerequisite is not necessary.

**SS390 Sociology of Health and Medicine**

From: Prerequisite SS310

To: Prerequisite BE122 (or 226), or satisfactory score on the CUNY/ACT Assessment Test

**Rationale:** After a review of the SS310 prerequisite by full-time sociology faculty it was decided that due to the special focus of the course on issues relevant to the Health Sciences degree programs it was not necessary to require introductory sociology. This change will enable Health Sciences students to take the course to satisfy their Social Sciences, History, or Humanities elective in the HS1 program without having first to complete the SOCY101 pre-requisite.

**Course Number changes****From: PSYC225 Psychology of Personal Adjustment**

To: PSYC125

**Rationale:** To indicate that it is a 100-level course with no introductory psychology prerequisite.

**From: SS390 Sociology of Health and Medicine**

To: SOCY190 Sociology of Health and Medicine

**Rationale:** To bring it into conformity with the new course prefix system approved last Spring for other sociology courses, and to indicate that it is a 100-level course with no introductory sociology prerequisite.

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