BRONX COMMUNITY COLLEGE
of the CITY UNIVERSITY OF NEW YORK

CURRICULUM COMMITTEE

MINUTES

15 April 2008
Volume 07/08, Number 132
South Hall Conference Room

Present
L. Augustus, R. Beuka, T. Cipullo, H. Clampman, S. Davis, M. Garrido, H. Harrison, S. Heller, A. McInerney, L. Montenegro, D. Morris, N. Posner, M. Pulver, L. Rice, V. Rodriguez, T. Riker, M. Stern.

Guests
M. Fein.

I Chairperson Clampman called the meeting to order at 2:11 PM.

II The minutes of the previous meeting were approved unanimously.

III Correspondence, Reports, Announcements

Professor Gonsher was excused.

IV Old Business

A. BIO 55 – Change in Prerequisite and Course Description
Department of Biology and Medical Laboratory Technology. A motion to approve this item was passed by unanimous viva voce vote.

B. Proposed Change in an Existing Degree Program
Electronic Engineering Technology AAS Degree
i) Change in footnote references for PHY 21 and PHY22
ii) Removal of ELC 97 – Digital Systems II
iii) Addition of a new course
ELC XX – Electronic Controls
2 Rec, 3 Lab 3 Credits
Department of Physics and Technology. A motion to waive the three meetings rule passed by unanimous viva voce vote. A motion to approve this item passed by unanimous viva voce vote.

V New Business

A. Proposed Experimental Change in Existing Course (one section for Fall 2008).
ACC 11 – Change in Co-requisite and Pre-requisite.
Department of Business and Information Systems – Information Purposes Only.

VI. Chairperson Clampman adjourned the committee at 2:34 PM. The next meeting will be on 29 April 2008 in South Hall Conference Room at 2:00 PM.

Respectfully submitted,

SD/JAC

Simon Davis,
Secretary

PART A: ACADEMIC MATTERS

Section AV: Changes in Existing Courses

AV3. Change in title, prerequisites and description of BIO 55 Genetics and Man

FROM:		To:	
Title	~~**Genetics and Man**~~	**Title**	**Genetics**
Description	~~Principles of heredity, an historical view culminating in modern genetics. Cytogenetics and the physical basis of heredity; Mendelian and non-Mendelian genetics; molecular and biochemical genetics; chromosomal aberrations; sex chromosomes; blood groups; population genetics; social impact of genetic control.~~	**Description**	A survey of the major principles and concepts of the science of heredity. The course reviews classical Mendelian and non-Mendelian genetics. It covers modern genetics including the molecular basis of heredity, gene regulation, developmental genetics, population genetics and biotechnology.
Prerequisites	~~Any one of the following: BIO 11, BIO 15, BIO 21; BIO 23 or BIO 24~~	**Prerequisites**	BIO 12

Rationale: The discoveries in the field of biochemical genetics and their applications in biotechnology require that the content of the course be changed.

Part A: Academic Affairs - Curricular Items
Section AIII.1: The following revisions are proposed for the A.A.S. in Electronic Engineering Technology
Program: A.A.S. in Electronic Engineering Technology
Program Code: 00394
HEGIS Code: 5310.00
Summary: The proposed changes to the program are the following: the deletion of one course, ELC 97 – Digital Electronics II (4 credits); the addition of a new course, ELC XX – Electronic Controls (3 credits); the reduction of total credits for the program from 67 to the originally approved total of 66; and a more logical location of asterisks for a footnote.
Effective: Fall 2008

From

Core Requirements

Course	Description	Crs
ENG 10 or ENG 11	Fundamentals of Composition and Rhetoric or Composition and Rhetoric I	3
CMS 11	Fundamentals of Interpersonal Communication	3
HIS 10 or HIS 11	History of the Modern World or Introduction to the Modern World	3
MTH 13*	Trigonometry & College Algebra	3
PEA	Physical Education activity course	1
	Total Core Requirements	13

Required Areas of Study

Course	Description	Crs
ENG 23	Scientific & Technical Writing	3
ART 10 or MUS 10	Art Survey or Music Survey	1
MTH 14	College Algebra and Introduction to Calculus	3
MTH 15	Calculus	3
PHY 21		4

To

Core Requirements

Course	Course Description	Crs
ENG 10 or ENG 11	Fundamentals of Composition and Rhetoric or Composition and Rhetoric I	3
CMS 11	Fundamentals of Interpersonal Communication	3
HIS 10 or HIS 11	History of the Modern World or Introduction to the Modern World	3
MTH 13*	Trigonometry & College Algebra	3
PEA	Physical Education activity course	1
	Total Core Requirements	13

Required Areas of Study

Course	Course Description	Crs
ENG 23	Scientific & Technical Writing	3
ART 10 or MUS 10	Art Survey or Music Survey	1
MTH 14	College Algebra and Introduction to Calculus	3
MTH 15	Calculus	3
PHY 21**		4

PHY 22**	Physics for Engineering Technology I	4
	Physics for Engineering Technology II	
	Total Required Areas of Study	18

Specialization Requirements

Course	Description	Crs
ELC 11	DC Circuit Analysis	4
ELC 15	Computer Applications in Technology	2
ELC 18	Computer Programming for Eng. Technology	2
ELC 21	AC Circuit Analysis	4
ELC 25	Electronics I	4
ELC 35	Electronics II	4
ELC 81	Electronic Communications	4
ELC 94	Laser & Fiber Optic Communications	4
ELC 96	Digital Systems	4
~~ELC 97~~	~~Digital Systems II~~	
	Total Specialization Requirements	~~36~~
	Total Program Credits	~~67~~

*Students may choose to take MTH 30, 31, and 32 in lieu of MTH 13, 14 and 15 if they plan to continue their studies after completing the A.A.S.
**Students may choose to take PHY 31 and 32 in lieu of PHY 21 and 22 if they plan to continue their studies after completing the A.A.S.

PHY 22	Physics for Engineering Technology I	4
	Physics for Engineering Technology II	
	Total Required Areas of Study	18

Specialization Requirements

Course	Course Description	Crs
ELC 11	DC Circuit Analysis	4
ELC 15	Computer Applications in Technology	2
ELC 18	Computer Programming for Eng. Technology	2
ELC 21	AC Circuit Analysis	4
ELC 25	Electronics I	4
ELC 35	Electronics II	4
ELC 81	Electronic Communications	4
ELC 94	Laser & Fiber Optic Communications	4
ELC 96	Digital Systems	4
ELC XX	Electronic Controls	3
	Total Specialization Requirements	35
	Total Program Credits	66

*Students may choose to take MTH 30, 31, and 32 in lieu of MTH 13, 14 and 15 if they plan to continue their studies after completing the A.A.S.
**Students may choose to take PHY 31 and 32 in lieu of PHY 21 and 22 if they plan to continue their studies after completing the A.A.S.

Rationale: Electronic engineering technicians working in the industry must have a working knowledge of control systems of electromechanical devices. As electronic systems are becoming more integrated in electromechanical devices, technicians must be trained to maintain, troubleshoot and replace such systems. The Industrial Advisory Board for our Electronic Engineering Technology program has recommended that our graduates have exposure and practical knowledge of electronic control systems. In addition, the reduction of credits brings our program credits to the original number approved by the Board of Trustees.

Section AIV: New Courses

AIV.I. Physics and Technology Department

Course Number: ELC XX
Title: Electronic Controls
Recitation: 2.0
Lab: 3.0
Credits: 3.0
Prerequisites: ELC 35, ELC 96

Course Description: The course introduces discrete and continuous control systems. Open and closed loop systems are analyzed. The use of semi-conductor devices, operational amplifiers, programmable logic controllers and other topics are discussed.

Rationale: Electronic engineering technicians working in the industry must have a working knowledge of control systems of electromechanical devices. Most consumer and industrial devices that have electronic elements have stripped down computers called programmable logic controllers directing the functions of such devices. The Industrial Advisory Board for our Electronic Engineering Technology program has recommended that our graduates have exposure and practical knowledge of electronic control systems.

PART A: ACADEMIC MATTERS

Section AV: Changes in Existing Courses

Department of Business and Information Systems
Change in corequisite and prerequisite of ACC 11 – Fundamental Accounting I – Experimental Basis Only
(One section for fall 2008)

From:		**To:**	
Title	**Fundamental Accounting I**	**Title**	**Fundamental Accounting I**
Description	Principles of accounting applied to single proprietorship. Journalizing and posting, adjusting and closing entries; preparation of the work sheet, balance sheet and income statement	**Description**	Principles of accounting applied to single proprietorship. Journalizing and posting, adjusting and closing entries; preparation of the work sheet, balance sheet and income statement
~~**Corequisite**~~	~~ENG 02 or RDL 02 if required~~	**Prerequisite**	ENG 02 and RDL 02 if required

Rationale: The passing rate in ACC 11 has been historically low. This experimental change, to be implemented in one section during the fall 2008 semester, is designed to assist the Department in analyzing the problems students are demonstrating and to search for possible solutions.