Global Learning Semesters
Course Syllabus
Course: EENG-120 Network Analysis I
Department: Engineering
Host Institution: Intercollege, Nicosia, Cyprus

Course Summary		
Course Code	**Course Title**	**Recommended Credit Hours**
EENG-120	Network Analysis I	3
Semester Offered	**Contact Hours**	**Prerequisites**
Fall, Spring	42	None
Department	**Level of Course**	**Language of Instruction**
Engineering	Lower Division	English

Course Description

The course seeks to develop an understanding of the basic concepts of electrical engineering. Topic areas include electrical laws and rules, methods of analysis, and network theorems, introduced via resistive, inductive, and capacitive circuits. Furthermore, the terminal behavior of the transistor and the operational amplifier is introduced, in addition to sinusoidal and pulse waveforms.

Instructor

Mr. Andreas Serghiou

Course Aims and Objectives

The course aims to describe, explain and illustrate the basic electrical concepts that will form a major part of the foundation required to analyze the most complex electrical and electronic systems as well as to arouse interest in further work and research in the area of electrical/electronic engineering.

Teaching Methods

The course is delivered through lectures.

Course Teaching Hours

The course is 42 hours long and is delivered in 14 weeks (3 hours/week).

Evaluation and Grading

Participation: 5%
Homework: 10%
Test I: 20%
Test II: 25%
Final Exam: 40%

Readings and Resources

Required Textbooks

- James W. Nilson, Susan A. Riedel, Electric Circuits, Sixth Edition, Prentice Hall, 2001
- Robert L. Boylestad, Introductory Circuit Analysis, Prentice Hall, Tenth Edition, 2003