Global Learning Semesters
Course Syllabus
Course: EENG-261 Electronic Communications Lab
Department: Engineering
Host Institution: Intercollege, Nicosia, Cyprus

Course Summary		
Course Code	**Course Title**	**Recommended Credit Hours**
EENG-261	Electronic Communications Lab	1.5
Semester Offered	**Contact Hours**	**Prerequisites**
Spring	42	EENG-251 Electronics II Lab. Experiments on fundamental concepts of electronic devices and circuits from an ac viewpoint.
Department	**Level of Course**	**Language of Instruction**
Engineering	Lower Division	English

Course Description

The course complements the lecture course EENG-260. This experimental course seeks to bridge the gap between the theoretical concepts presented in class and the non-ideal situations of the laboratory and introduce the student to the fundamentals of analog communications. In addition, it facilitates an understanding of the main equipment used in electronic communications and prepares the student for further scientific research. Topic areas include instrumentation, designing and analysis of electronic communication circuits such as active filters, RF amplifiers, oscillators, AM and FM circuits, and troubleshooting techniques.

Instructor

Dr. George Gregoriou

Course Aims and Objectives

To allow students to experiment with analog communications circuits.

Teaching Methods

The course is delivered through laboratory experiments.

Course Teaching Hours

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

Evaluation and Grading

Lab Reports:	40%
Lab Performance:	30%
Final Exam:	30%

Readings and Resources

Recommended Readings

- Lab Volt Manuals on Analog Communication
- Paul H. Young, Electronic Communication Techniques, Third Edition, Prentice Hall, 1994