

# Global Learning Semesters

## Course Syllabus

Course: BENG-291 Broadcast Technology II

Department: Engineering

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
BENG-291	Broadcast Technology II	1.5
Semester Offered	Contact Hours	Prerequisites
Fall	42	BENG-290 Television. Experimentation on broadcasting technology.
Department	Level of Course	Language of Instruction
Engineering	Lower Division	English

### Course Description

The students will understand the different distortions that may occur and the impact they have on the video and audio signal. Hands on experience on TV equipment will be acquired. Students will be able to read and understand TV and audio broadcast stations' technical drawings and do fault finding. Specific topics covered include: advances instrumentation features, distortions and their visual and acoustical effects, test card features; symptom analysis, hands on video tape recorders; tape deck mechanics; tape path; track configuration; video head drum; audio/control heads; electronic circuits in a VCR; servo circuits; still frame; faults; alignment of VTR, hands on cameras; CCD blocks; electronic circuits in a camera; faults; alignment of camera, system fault finding, and project

### Instructor

Ms. Panayiota Kyriacou

### Course Aims and Objectives

To provide the students with further understanding of the television and audio signals.

### Teaching Methods

The course is delivered through a mixture of lectures and 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: 30%  
Lab Performance: 30%  
Final Exam: 40%

## Readings and Resources

### Required Textbook

None

### Recommended Readings

- Eugene Trundle, Newnes TV and Video Engineer's Pocket Book, Third Edition, Newnes, 1999
- Instructor's handouts