

COURSE DETAIL

AN INTRODUCTION TO WIRELESS SYSTEMS

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Electrical Engineering Computer Science

UCEAP Course Number

129

UCEAP Course Suffix**UCEAP Official Title**

AN INTRODUCTION TO WIRELESS SYSTEMS

UCEAP Transcript Title

WIRELESS SYSTEMS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The course provides a broad general knowledge in high frequency applications, especially those used in radio communications. The fundamentals are introduced without penetrating the electronics or design details. The different parts are treated as functional blocks defined by their physical properties rather than their electronic properties. This not only provides a basic understanding of the radio receiver or the cellular phone but also the requirements placed on the used circuits. Advanced measurements are carried out with spectrum analyzer and vector network analyzer in laboratory experiments to study selected building blocks.

Language(s) of Instruction

English

Host Institution Course Number

EITF50

Host Institution Course Title

AN INTRODUCTION TO WIRELESS SYSTEMS

Host Institution Campus

Engineering

Host Institution Faculty

Host Institution Degree

Host Institution Department

Engineering- Electrical and Information Technology

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