# COURSE DETAIL

| SIGNAL PROCESSING: DESIGN AND IMPLEMENTATION |
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| **Country**<br>Sweden |
| **Host Institution**<br>Lund University |
| **Program(s)**<br>Lund University |
| **UCEAP Course Level**<br>Upper Division |
| **UCEAP Subject Area(s)**<br>Electrical Engineering |
| **UCEAP Course Number**<br>141 |
| **UCEAP Course Suffix** |
| **UCEAP Official Title**<br>SIGNAL PROCESSING: DESIGN AND IMPLEMENTATION |
| **UCEAP Transcript Title**<br>SIGNL PROCESS DESGN |
| **UCEAP Quarter Units**<br>6.00 |
| **UCEAP Semester Units**<br>4.00 |

**Course Description**
The course provides solutions to problems in signal processing where design of filters, filter banks, and fast algorithms are in demand. The course presents the fundamentals of wavelets and points to different applications where wavelet analysis is a powerful tool. The student should obtain sufficient insights on theory and application to independently formulate the mathematical problem, to solve it, and to implement the solution for processing of real signals.

**Language(s) of Instruction**
English

**Host Institution Course Number**
ETIF10

**Host Institution Course Title**
SIGNAL PROCESSING - DESIGN AND IMPLEMENTATION

**Host Institution Course Details**

**Host Institution Campus**
Engineering

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**
Engineering- Biomedical Engineering

**Course Last Reviewed**

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