Course: Advanced Filter

credits: 2

Course code	ELVH17AAF
Name	Advanced Filter
Study year	2022-2023
ECTS credits	2
Language	English
Coordinator	B.D. Williams

Modes of delivery	Assignment Individual supervision Lecture Practical / Training
Assessments	Advanced Filter - Assignment

Learning outcomes

After this study unit a student can:

- design a standard digital filter.
- use the Kalman filter in a data smoothing context, and also in a vehicle navigation context by using Sensor Fusion techniques.

Content

As an extension to DSP techniques you will learn how to design an advanced filter. We willl be handling specifically the KALMAN filter in the study unit, but will also recapitulate on a method on how to design common filters.

Included in programme(s)

Electrical Engineering Major Sensor Technology

School(s)

Institute of Engineering

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