

# Diagnostics UDS

## Agenda VectorAcademy

<b>Delivery Format:</b>	This course is offered in Classroom <b>or</b> Remote Format
<b>Duration:</b>	Classroom: 1 day Remote: 6 hours
<b>Target Group:</b>	Diagnostic Engineers
<b>Prerequisites:</b>	Engineering Background
<b>Goal:</b>	Diagnostic concepts, UDS

### 1. Vehicle and Fleet Diagnostics

- > Vehicle and Fleet diagnostics
- > Diagnostics with an Embedded System
- > Diagnostics within an ECU
- > Design and Deployment

### 2. UDS Introduction

- > UDS
- > Measurements and States
- > Identification of Deployable Unit
- > Function Settings
- > IO Control
- > Routines

### 3. Monitoring the System and Logging DTCs

- > DTCs in Fault Memories
- > DTC Configuration for Embedded SW

### 4. Diagnostic Behavior

- > Sessions
- > Security
- > Environmental Conditions
- > Functional Addressing

### 5. Software Update

- > Software Update

### 6. Diagnostics on Networks | Optionally

- > Diagnostics on CAN or LIN
- > DoIP

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## **7. Miscellaneous | Further Reading**

- > Periodic Data
- > Response on Event
- > Dynamically Define Data
- > Function Inhibition Manager

## **8. Tester Parameterisation | Further Reading**

- > ODX