

Quantum Technologies Deep Dive - A Modular Introductory Course for Scientists and Engineers

24.10.2023 – 09.04.2024

Module	Date, Location	Topic
Quantum Basics (Quantum Computing Module)	24/10/23, 9 am – 6 pm, on-site (Freimann, Munich)	What is a Qubit?
	25/10/23, 9 am – 1 pm, on-site (Garching, Munich)	Quantum Hardware
Quantum Computing	07/11/23, 5 pm – 7 pm, online	Quantum Algorithms
	14/11/23, 5 pm – 7 pm, online	Quantum Simulation
	21/11/23, 5 pm – 7 pm, online	Fault-Tolerant Quantum Computing
	28/11/23, 5 pm – 7 pm, online	Roadmap for Quantum Computing
	14/12/23, 9 am – 1 pm, online	Exploration of Quantum Computing Use Cases
Quantum Basics (Quantum Communication and Sensing Module)	01/02/24, 9 am – 6 pm, on-site (Freimann, Munich)	What is a Qubit?
	02/02/24, 9 am – 1 pm, on-site (Garching, Munich)	Quantum Hardware
Quantum Communication	06/02/24, 5 pm – 7 pm, online	Future of Cryptography
	20/02/24, 5 pm – 7 pm, online	Quantum Cryptography and Communication
	05/03/24, 9 am – 1 pm, online	Exploration of Quantum Communication Use Cases
Quantum Sensing	12/03/24, 5 pm – 7 pm, online	Quantum Sensing in Practical Applications
	19/03/24, 5 pm – 7 pm, online	Entanglement-Based Quantum Sensing
	09/04/24, 9 am – 1 pm, online	Exploration of Quantum Sensing Use Cases