

European XFEL Lecture Course 2025
"Materials Research at X-ray Free-Electron Lasers"
On-site Lectures in Room E1.173 (XHQ / Main Building)
 Zoom link: [tba]

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| Different schedule due to excursions | | | | |
| Monday, 22 Sept. | Tuesday, 23 Sept. | Wednesday, 24 Sept. | Thursday, 25 Sept. | Friday, 26 Sept. |
| Excursion DESY 09:00 - 10:30 Meeting point: in front of CFEL building | | | | |
| Transfer to EuXFEL 10:30 - 11:00 | | | | |
| Excursion EuXFEL 11:00 - 12:30 Meeting point: Foyer at XHQ | 10:00 - 11:40 Lecture <i>Optical Lasers for pump-probe experiments</i> (Maximilian Lederer, Ilie Radu) | 10:00 - 11:40 Lecture <i>Physics of X-Ray Free Electron Laser</i> (Gianluca Geloni) | 10:00 - 11:40 Lecture <i>Materials Imaging and Dynamics: Methods, Devices, Experiments</i> (Anders Madsen) | 10:00 - 11:40 Lecture <i>Femtosecond X-Ray Experiments: Methods, Devices, Experiments</i> (Dmitry Khakhulin) |
| 12:30 - 13:30 Lunch | 11:40 - 13:00 Lunch | 11:40 - 13:00 Lunch | 11:40 - 13:00 Lunch | 11:40 - 13:00 Lunch |
| 13:30 - 15:10 Lecture <i>From Synchrotrons to X-Ray Free Electron Lasers</i> (Serguei Molodtsov) | 13:00 - 14:40 Lecture <i>Undulators - Sources of Radiation</i> (Sara Casalbuoni) | 13:00 - 14:40 Lecture <i>Optics, Radiation Delivery to Experimental Station</i> (Maurizio Vannoni) | 13:00 - 14:40 Lecture <i>Small Quantum Systems: Methods, Devices, Experiments</i> (Michael Meyer) | 13:00 - 14:40 Lecture <i>High Energy Density: Methods, Devices, Experiments</i> (Ulf Zastrauf) |
| | 14:40 - 15:00 Break | 14:40 - 15:00 Break | 14:40 - 15:00 Break | 14:40 - 15:00 Break |
| [Freiberg students return home] | 15:00 - 16:40 Lecture <i>Diagnostics of Radiation at XFELs</i> (Jan Grünert) | 15:00 - 16:40 Lecture <i>Single Particle Imaging & Serial fs Crystallography: Methods, Devices, Experiments</i> (Richard Bean) | 15:00 - 16:40 Lecture <i>Spectroscopy and Coherent Scattering: Methods, Devices, Experiments</i> (Andreas Scherz) | 15:00 - 16:40 Lecture <i>Future Experimental and Methodological Developments</i> (Markus Ilchen) |