

# TEACHING

CAROLINE LASSER

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## Technische Universität München, 2013–2019

- WS 2018/19    Lecture *Einführung in die Mathematik I*  
                  Lecture *Elements of Harmonic Analysis*  
                  Seminar *Frames*
- SS 2018        Lecture *Einführung in die Mathematik II*  
                  Lecture *Quantum Dynamics III*  
                  Seminar *Quantum Control*  
                  Workshop *Komplexe Zahlen und Funktionen*
- WS 2017/18    Lecture *Einführung in die Mathematik I*  
                  Lecture *Quantum Dynamics II*  
                  Seminar *Quantum Theory for Mathematicians*
- SS 2017        Lecture *Linear Algebra II for teachers*  
                  Lecture *Quantum Dynamics*  
                  Seminar *Classical Mechanics*
- WS 2016/17    Lecture *Linear Algebra I for teachers*  
                  Lecture *Elements of Harmonic Analysis*  
                  Seminar *Markov chain Monte Carlo methods* (with Gantert)
- SS 2016        Lecture *Linear Algebra II for teachers*  
                  Lecture *Wavelets*  
                  Seminar *Matrix theory*
- WS 2015/16    Lecture *Linear Algebra I for teachers*  
                  Lecture *Monte Carlo Methods*  
                  Seminar *Early Fourier Analysis*
- SS 2015        Lecture *Numerical Programming II*  
                  Supplements for *Introduction to Mathematics for Teachers II*  
                  Workshop *One Mathematician, one Proof*
- WS 2014/15    Lecture *Numerical Programming I*  
                  Supplements for *Introduction to Mathematics for Teachers I*
- WS 2013/14    Lecture *Linear Algebra I for teachers*  
                  Seminar *Simple Monte Carlo algorithms*  
                  Seminar *Geometric Numerical Integration*
- SS 2013        Lecture *Linear Algebra II for teachers*  
                  Seminar *Mechanics: classical and beyond*
- WS 2012/13    Lecture *Linear Algebra I for teachers*  
                  Seminar *Wavelet Analysis*

(WS abbreviates winter semester, SS summer semester)

**Technische Universität München, 2010–2012**

- SS 2012      Lecture *Numerical Programming II*  
Seminar *Breaking the Worst Case* (with Bornemann)  
Proseminar *Fourier Series* (with Deiser)
- WS 2011/12    Lecture *Numerical Programming I*  
Lecture *Case Studies in Numerics (Quantum Dynamics)*  
Seminar *Approximation Theory and Practice*
- SS 2011      Lecture *Numerik*  
Proseminar *Benford's Law*
- WS 2010/11    Lecture *Numerical Programming I*  
Proseminar *Eigenvalues in finite dimensions*  
Seminar *Electronic wave functions* (with Bornemann)
- SS 2010      Lecture *Monte Carlo Methods*

**Freie Universität Berlin, 2005–2009**

- WS 2009/10    Lecture *Linear Algebra II for teachers*  
Seminar *Mathematics for quantum mechanics*
- SS 2009      Lecture *Functional Analysis II*  
Seminar *Introduction to stochastic differential equations*
- WS 2008/09    Lecture *Functional Analysis I*  
Seminar *Stochastic methods of applied mathematics*
- SS 2008      Lecture *Stochastics II*  
Seminar *Quantum dynamics in semiclassical approximations*
- WS 2006/07    Lecture *Mathematical introduction to quantum dynamics*
- WS 2005/06    Seminar *Visual quantum mechanics* (with Hege & Jahnke)