

# EPFL Practical matters – Schedule (version 09.2025)

Week	Day	Theory		
1	09.09	Introduction; Scaling laws, Fabrication*		
2	16.09	Transduction of the motion – Techniques		
3	23.09	Transduction of the motion – Techniques		Paper (1)
4	30.09			Paper (1)
5	07.10	Static deflection – Force, Linear behavior, Intro noise		
6	14.10			Paper (2)
7	28.10	Station deflection – Stress		Paper (3)
8	04.11	Dynamic behavior – Linear Analysis Dynamic behavior – Stress influence on frequency		
9	11.11	Dynamic behavior – Mode coupling Dynamic behavior – Nonlinearities, Parametric drive		
10	18.11			Paper (4)
11	25.11	Material properties – Size effects		Paper (5)
12	02.12	Quality factor – Energy losses		Paper (6)
13	09.12	Thermomechanical noise, Detection schemes		Paper (7)
14	16.12			Paper (8, 9)