Course Plan: PHY-765 - Gravitational Lensing (GL)						
	version: April 24, 2018  Lecture plan subject to change. See https://kasperschmidt.github.io/teaching/SS18_GravLens_UP765 for details.					
W	Lecture (Wed.'s 08:15-09:05)	Exercise/Seminar (Wed.'s 09:10-09:55)	Location			
1	Slides 01 Intro & Early days of GL	Worksheet 01 (Literature searches and first lenses)	2.28.2.011			
2	Slides 02 Light deflection and basic GL geometry	<b>Worksheet 02</b> (Select poster topic for presentation)	2.28.2.011			
3	Slides 03 The lens equation	Worksheet 03	2.28.2.011			
4	Slides 04 Multiple images	Worksheet 04 (Poster presentations)	2.28.2.011			
5	Slides 05 GL time delays	Worksheet 05 "Journal club" allocations 1	2.28.2.011			
6	Slides 06 Magnifying sources	Worksheet 06 (Present "journal club" papers 1) Essay allocation	2.28.2.011			
7	Slides 07 Finding gravitational lenses	Worksheet 07	2.28.2.011			
8	Slides 08 Micro GL	Worksheet 08 (Finishing essay)	2.28.2.011			
9	Slides 09 Searching for extrasolar planets with GL	Worksheet 09 "Journal club" assignments 2	2.28.2.011			
10	Slides 10 Modeling GL	Worksheet 10 (Present "journal club" papers 2) Essay review allocation	2.28.2.011			

11	No lecture and seminar. Compensated by 5-10 minutes longer days weeks 3-15	N/A

Worksheet 12

**Essay review feedback** 

Worksheet 14

Worksheet 15

(Outreach presentations)

2.28.2.011

2.28.2.011

Slides 12

Weak GL

Slides 14

Summary, loose ends and Q&A

**12** 

15

13	Slides 13 Lensing the CMB	Worksheet 13	2.28.2.011

**14** 2.28.2.011 The future of GL (Select and start preparing outreach) Slides 15

> **Potential Examination:** 45 min. oral examination 20 min presentation w. topics known in advance + Q&A.