Course Plan: PHY-765 - Gravitational Lensing (GL)

version: July 10, 2018

Lecture (Wed.'s 08:15-09:05) Exercise/Seminar (Wed.'s 09:10-09:55) Location	***	version: July 10, 2018 Lecture plan subject to change. See https://kasperschmidt.github.io/teaching/SS18_GravLens_UP765 for details.				
April 11	Week Date			Location		
April 18 Light deflection and basic GL geometry (Select poster topic for presentation) 3				2.28.2.011		
April 25				2.28.2.011		
May 2 Multiple images (Poster presentations) 2.28.2.011			Worksheet 03	2.28.2.011		
Time delays				2.28.2.011		
May 16 Magnifying sources (Present "journal club" papers 1) 2.28.2.011 7 May 23 Finding (strong) gravitational lenses 8 May 30 Microlensing ("Journal club" allocation 2) 2.28.2.011 9 June 6 Searching for extrasolar planets with GL (Present "journal club" allocation 2) 2.28.2.011 10 Slides 10 Worksheet 10 (Present "journal club" papers 2) 2.28.2.011 11 June 13 No lecture and seminar. Compensated by 5-10 minutes longer days weeks 3-15 N/A 12 Slides 12 Worksheet 12 (Essay review feedback) (Select topic for "talk") 2.28.2.011 13 July 4 Cosmic Shear and the CMB (Select and start preparing outreach) 14 Slides 14 The future of GL (Finish outreach) 2.28.2.011				2.28.2.011		
Sides 19 Slides 10 Modeling Gravitational Lenses Slides 12 Slides 12 Weak GL Geseration Science presentations w. slides) Slides 13 Slides 14 Slides 14 Slides 14 Slides 15 Soversheet 15 Slides 15			(Present "journal club" papers 1)	2.28.2.011		
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Potential Examination:
45 min. oral examination
20 min presentation w. topics known in advance + Q&A.