

Syllabus

PHYS-E0437 Laser Physics, 2022

Lectures

Date	Topics	Book Chapters
4.3	Introduction & light-matter interaction	1-2 (AS)
11.3	Spectral broadening & light amplification	3-4 (AS)
18.3	Gain saturation	5 (AS)
25.3	Laser oscillation I	6 (AS)
1.4	Laser oscillation II	6 (AS)
8.4	Dynamic effects I	8 (AS)
15.4	No lecture	
22.4	Dynamic effects II	8 (AS)
29.4	Solid-state lasers I	7 (ER)
6.5	Solid-state lasers II	7,9 (ER)
13.5	Ultrafast lasers	17 (AS)
1.6	Exam	

Exercise sessions

Date	Book Chapters
9.3	No exercises
16.3	1-2 (PH)
23.3	3-4 (PH)
30.3	5 (PH)
6.4	6 (PH)
13.4	No exercises
20.4	6 (PH)
27.4	8 (PH)
4.5	7 (PH)
11.5	7,9 (PH)
18.5	17 (PH)