

ACCELERATOR PHYSICS
 USPAS, Fort Collins, CO
 June 10 - 21, 2013

Mon, June 10	0900 - 1200	Lecture 1	Relativity, EM Forces - Historical Introduction	Alex Bogacz
Mon, June 10	1330 - 1630	Lecture 2	Weak Focusing and Transverse Stability	Geoff Krafft
Mon, June 10	Homework and Tutoring			
Tue, June 11	0900 - 1200	Lecture 3	Linear Optics	Geoff Krafft
Tue, June 11	1330 - 1630	Lecture 4	Phase Stability, Synchrotron Motion	Alex Bogacz
Tue, June 11	Homework and Tutoring			
Wed, June 12	0900 - 1200	Lecture 5	Magnetic Multipoles, Magnet Design	Alex Bogacz
Wed, June 12	1330 - 1630	Lecture 6	Particle Acceleration	Geoff Krafft
Wed, June 12	Homework and Tutoring			
Thur, June 13	0900 - 1200	Lecture 7	Coupled Betatron Motion I	Alex Bogacz
Thur, June 13	1330 - 1630	Lecture 8	Synchrotron Radiation	Geoff Krafft
Thur, June 13	Homework and Tutoring			
Fri, June 14	0900 - 1200	Lecture 9	Coupled Betatron Motion II	Alex Bogacz
Fri, June 14	1330 - 1530	Lecture 10	Radiation Distributions	Geoff Krafft
Fri, June 14	1530 - 1700	MID-TERM EXAM		
Mon, June 17	0900 - 1200	Lecture 11	Nonlinear Dynamics, Resonance Theory	Timofey Zolkin
Mon, June 17	1330 - 1630	Lecture 12	Xray Sources/FELs	Geoff Krafft
Mon, June 17	Homework and Tutoring			
Tue, June 18	0900 - 1200	Lecture 13	Nonlinear Dynamics, Chaos	Timofey Zolkin
Tue, June 18	1330 - 1630	Lecture 14	Statistical Effects	Geoff Krafft
Tue, June 18	Homework and Tutoring			
Wed, June 19	0900 - 1200	Lecture 15	Radiation Damping	Alex Bogacz
Wed, June 19	1330 - 1630	Lecture 16	Feedback Systems	Timofey Zolkin
Wed, June 19	Homework and Tutoring			
Thur, June 20	0900 - 1200	Lecture 17	Low Emittance Lattices	Alex Bogacz
Thur, June 20	1330 - 1630	Lecture 18	Cooling Theory	Timofey Zolkin
Thur, June 20	Homework and Tutoring			
Fri, June 21	0900 - 1300	FINAL EXAM		

Lecture (53 hours)

Exams (5.5 hours)

Homework and Tutoring (32 hours)