

## Fall 2020 Optics Course Status

Course #	Course Title	Instructor	Course Type	Lecture Delivery Mode	Lecture Delivery Details	Other Delivery Modes	Classification under F-1 Visa	Recommendation for Remote Student
OPT 101	Introduction to Optics	Thomas G Brown	Lecture with labs	Hybrid	Option for in-person or online lectures, in-person lectures with rotating group of students and synchronous online streaming	Limited in-person labs with option for fully-remote, online labs	In-person	Recommended
OPT 201	Physical Optics Laboratory	James Zavislan	Lecture with labs	Hybrid	Synchronous online lectures	Remote labs primarily with some in-person labs for those that can participate	In-person	Highly recommended
OPT 203	Instrumentation Laboratory	Jennifer Kruschwitz	Lecture with labs	Hybrid	Online lectures only	Remote labs primarily with some in-person labs for those that can participate	In-person	Highly recommended
OPT 211	Matlab for Optics I	Greg Savich	Lecture only	Online	Online lectures only		Remote	Highly recommended
OPT 212	Matlab for Opt Majors II	Greg Savich	Lectures with labs	Online	Online-only lectures and labs		Remote	Recommended
OPT 241	Geometrical Optics	Julie Bentley	Lecture with workshops	Hybrid	In-person lectures made available online asynchronously	In-person workshops make available online asynchronously	In-person	Recommended
OPT 242	Aberrations, Interferometry, and Optical Testing	Brian Kruschwitz	Lecture with recitations	Hybrid	Asynchronous lectures online with in-person sessions for questions, discussion, and practical examples	Online recitations only	In-person	Highly recommended
OPT 243	Optical Fabrication & Testing	Jessica Nelson	Lecture with Labs	Hybrid	In-person lectures made available online asynchronously	In-person labs only	In-person	Not recommended
OPT 246	Optical Interference Coating	James Oliver	Lecture only	Online	Online lectures only		Remote	Highly recommended
OPT 253/453	Quantum & Nano Optics Laboratory	Svetlana Lukishova	Lectures with labs	Hybrid	Online lectures with synchronous in-person lectures available on rotating basis	Labs fully available online with in-person labs also offered	Remote	Highly recommended
OPT 262	Electromagnetic Theory	Andrew Berger	Lecture with recitations	Hybrid	Fundamental content delivered asynchronously via online video tutorials	(a) Small-group recitations alternating weekly between all-in-person and all-online (not hybrid), with one all-online section for those who need it. (b) Substantial online asynchronous and on-demand synchronous interactions with correspondingly substantial participation grade.	In-person	Highly recommended
OPT 310	Senior Design I	Wayne Knox	Lecture with group meetings	Hybrid	Online lectures only	Group project meetings may be online or in-person	In-person	Highly recommended
OPT 320	Senior Thesis I	Wayne Knox	Lecture with labs	Hybrid	Online lectures only	In-person labs only	In-person	Recommended
OPT 410	Intro to AV/VR	Jannick Rolland (and others)	Lecture only	Hybrid	In-person lectures made available online asynchronously		In-person	Recommended
OPT 411	Mathematical Methods for Optics	William Renninger	Lecture with recitations	Hybrid	Online lectures only	Recitations/workshops given in person	In-person	Recommended
OPT 425/TEO 425	Radiation & Detectors	Gary Wicks	Lecture only	Hybrid	In-person lectures made available online asynchronously		In-person	Recommended
OPT 428	Optical Communications	Govind Agrawal	Lecture only	Hybrid	In-person lectures made available online asynchronously		In-person	Recommended
OPT 440	Freeform Optics	Jannick Rolland	Lecture with workshops	Online	Asynchronous online lectures with synchronous session once a week	Simulation workshops given online	In-person	Highly recommended
OPT 441	Geometrical Optics	Dale Buralli	Lecture only	Online	Online lectures only		Remote	Highly recommended
OPT 443	Foundations of Modern Optical Systems	James Zavislan	Lecture with workshop	Hybrid	In-person lectures made available online asynchronously	Synchronous workshops for online & in-person students	In-person	Highly recommended
OPT 446	Optical Interference Coating	James Oliver	Lecture only	Online	Online lectures only		Remote	Highly recommended
OPT 449	Introduction to Illumination	Joshua Cobb	Lecture with workshops	Hybrid	Online lecture offered synchronously with in-person session (depending on number of students)	Online-only workshops	In-person	Highly recommended
OPT 456	Optics Laboratory	Jennifer Kruschwitz	Lecture with labs	Hybrid	In-person lectures made available online synchronously	In-person labs with some remote capabilities	In-person	Not recommended
OPT 461	Fourier Optics	James Fienup	Lecture with recitations	Hybrid	In-person lectures made available online synchronously	In-person workshops only	In-person	Recommended
OPT 463	Wave Optics & Imaging	Jennifer Kruschwitz	Lecture only	Hybrid	Online lectures offered synchronously, lectures & notes available prior to class time		In-person	Recommended
OPT 466	Ultrafast Optics & Laser Fundamentals	Chunlei Guo	Lecture only	online	Online lectures only		Remote	Highly recommended
OPT 467	Nonlinear Optics	Robert Boyd	Lecture with labs	Online	Online lectures with in-person lab component	(2) three-hour in-person labs with flexibility for remote students	Remote	Recommended
OPT 468	Integrated Photonics	Jaime Cardenas	Lecture only	Hybrid	In-person lectures made available online asynchronously		In-person	Recommended
OPT 478	THz Technology & Applications	Xi-Cheng Zhang	Lecture only	Online	Online lectures only		Remote	Highly recommended
OPT 479	Singular Optics	Taco Visser	Lecture only	Hybrid	In-person lectures made available online asynchronously		In-person	Recommended
OPT 551	Introduction to Quantum Optics	Joseph Eberly	Lecture only	Hybrid	In-person lectures made available online asynchronously		In-person	Recommended