

SCHEDULE FOR CLASSES HELD ON RIVER CAMPUS

Goergen 101 in the Biomedical Engineering-Optics Building

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
JUNE 15 AM Fundamentals of Optics	JUNE 16 AM Fundamentals of Optics	JUNE 17 AM Fundamentals of Optics	JUNE 18 AM Modern Optical Engineering	JUNE 19 AM Modern Optical Engineering
Geometrical Optics (D. Moore)	Radiometry and Detection (G. Wicks)	Fourier Optics (N. George)	Diffractive- and Micro- Optics Technology (G.M. Morris)	Optical Testing & Instrumentation (J. Wyant)
9:00 - 12:00 noon	9:00 - 12:00 noon	9:00 - 12:00 noon	9:00 - 12:00 noon	9:00 - 12:00 noon
JUNE 15 PM Fundamentals of Optics	JUNE 16 PM Fundamentals of Optics	JUNE 17 PM Modern Optical Engineering	JUNE 18 PM Modern Optical Engineering	JUNE 19 PM Modern Optical Engineering
Optical Design (J. Bentley)	Polarization and Birefringence (J. Zavislan)	Optical Engineering for Biomedical Optics (J. Zavislan)	Optical Thin Films (D. Smith)	New Optical Manufacturing Processes (S. Jacobs)
1:30 - 4:30 PM	1:30 - 4:30 PM	1:30 - 4:30 PM	1:30 - 4:30 PM	1:30 - 4:30 PM
Laser Safety		Laser Safety		
5:00 - 5:30 PM		5:00 - 5:30 PM		

Laboratory Sessions:
Wilmot Bldg., 5th Floor

Breaks: Goergen, 5th Floor Lounge
10:15-10:45 AM and 2:45 – 3:15 PM

SCHEDULE FOR CLASSES HELD ON RIVER CAMPUS

Goergen 109 in the Biomedical Engineering-Optics Building

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
JUNE 22 AM Lasers and Optoelectronics Fundamentals of Lasers (C. Stroud) 9:00 - 12:00 noon	JUNE 23 AM Lasers and Optoelectronics Survey of Laser Systems (C. Stroud) 9:00 - 12:00 noon	JUNE 24 AM Lasers and Optoelectronics Modern Laser Technology (C. Guo) 9:00 - 12:00 noon	JUNE 25 AM Biomedical Optics The Optics of Intrinsic Signals in the Brain (K. Kasischke) 9:00 - 12:00 noon	JUNE 26 AM Biomedical Optics The Optics of Photodynamic Therapy (T. Foster) 9:00 - 12:00 noon
JUNE 22 PM Lasers and Optoelectronics Semiconductor Lasers, LED's and Detectors (G. Wicks) 1:30 - 4:30 PM	JUNE 23 PM Lasers and Optoelectronics Fibers and Fiber Lasers (J. Marciante) 1:30 - 4:30 PM	JUNE 24 PM Biomedical Optics The Optics of Watching Live Cells (E. Brown) 1:30 - 4:30 PM	JUNE 25 PM Biomedical Optics The Optics of Turbid Tissues (A. Berger) 1:30 - 4:30 PM	JUNE 26 PM Biomedical Optics The Optics of Detecting Vulnerable Atherosclerotic Plaque (E. Hull) 1:30 - 4:30 PM
Laser Safety 5:00 - 5:30 PM				

**Laboratory Sessions: Lasers & Optoelectronics only
Wilmot Bldg., 5th Floor**

**Breaks: Goergen, 5th Floor Lounge
10:15-10:45 AM and 2:45 – 3:15 PM**

SCHEDULE FOR CLASSES HELD ON RIVER CAMPUS

Goergen 509 in the Biomedical Engineering-Optics Building

WEDNESDAY	THURSDAY	FRIDAY
<p data-bbox="867 911 1197 1049">JUNE 24 PM High Resolution Microscopy: Electron Beam Methods</p> <p data-bbox="934 1133 1129 1235">Introduction to Electron Optics (B. McIntyre)</p> <p data-bbox="938 1317 1125 1341">1:30 - 4:30 PM</p>	<p data-bbox="1251 396 1581 534">JUNE 25 AM High Resolution Microscopy: Electron Beam Methods</p> <p data-bbox="1304 626 1528 691">Image Formation (B. McIntyre)</p> <p data-bbox="1304 837 1528 862">9:00 - 12:00 noon</p>	<p data-bbox="1635 396 1965 534">JUNE 26 AM High Resolution Microscopy: Electron Beam Methods</p> <p data-bbox="1625 618 1976 721">Compositional Information Gathering (B. McIntyre)</p> <p data-bbox="1688 837 1913 862">9:00 - 12:00 noon</p>
<p data-bbox="1251 911 1581 1049">JUNE 25 PM High Resolution Microscopy: Electron Beam Methods</p> <p data-bbox="1304 1133 1528 1198">Image Formation (B. McIntyre)</p> <p data-bbox="1318 1317 1514 1341">1:30 - 4:30 PM</p>	<p data-bbox="1635 911 1965 1049">JUNE 26 PM High Resolution Microscopy: Electron Beam Methods</p> <p data-bbox="1625 1133 1976 1235">Compositional Information Gathering (B. McIntyre)</p> <p data-bbox="1703 1317 1898 1341">1:30 - 4:30 PM</p>	

**Breaks: Goergen, 5th Floor Lounge
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SCHEDULE FOR CLASSES HELD ON RIVER CAMPUS

Goergen 108 in the Biomedical Engineering-Optics Building

MONDAY June 15	TUESDAY June 16	WEDNESDAY June 17	THURSDAY June 18	FRIDAY June 19
Basic Concepts of Design: Single Layer Films J. Oliver (Blue) 8:30 a.m. – 12:00 p.m.	Design: Anti-Reflection Coatings J. Oliver (Blue) 8:30 a.m. – 12:00 p.m.	Design: High-Reflector Coatings J. Oliver (Blue) 8:30 a.m. – 12:00 p.m.	Numerical Methods II J.A. Dobrowolski (Grey) 8:30 a.m. – 12:00 p.m.	Design: Non-normal Incidence J. Oliver (Blue) 8:30 a.m. – 12:00 p.m.
Coating Techniques J. Oliver (Red) 1:00 p.m. – 5:00 p.m. OMEGA TOUR 5:30 pm LLE 240 East River Road	Tour of Coating Facility & Laser Facility LLE 240 East River Road A. Rigatti J. Oliver & Jason Taniguchi 1:30 p.m. – 4:00 p.m.	Numerical Methods Design & Manufacture of Multilayer Systems I J.A. Dobrowolski (Grey) 1:00 p.m. – 5:00 p.m.	Design: Band-Pass Filters J. Oliver (Blue) 1:00 p.m. – 5:00 p.m.	Characterization of Optical Thin Films D. Smith (Purple) 1:00 p.m. – 5:00 p.m.

Other Notes: Handbook of Thin Film Materials
T. Liechtenstein (Pale Green)

Breaks: Goergen, 5th Floor Lounge
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SCHEDULE FOR CLASSES HELD ON RIVER CAMPUS

Goergen 109 in the Biomedical Engineering-Optics Building

WEDNESDAY

THURSDAY

FRIDAY

	<p>JUNE 18 AM Opto-Mechanical Analysis</p> <p>Jitter & Adaptive Optics (K. Doyle / G. Michels)</p> <p>9:00 - 12:00 noon</p>	<p>JUNE 19 AM Opto-Mechanical Analysis</p> <p>Modeling Techniques (G. Michels / V. Genberg)</p> <p>9:00 - 12:00 noon</p>
<p>JUNE 17 PM Opto-Mechanical Analysis</p> <p>Fundamentals & Surface Fitting (V. Genberg / K. Doyle)</p> <p>1:30 – 4:00 PM</p> <p>Computer Lab</p> <p>4:00 - 5:30 PM</p>	<p>JUNE 18 PM Opto-Mechanical Analysis</p> <p>Stress-Optic & Thermo- Optic Effects (V. Genberg / K. Doyle)</p> <p>1:30 – 4:00 PM</p> <p>Computer Lab</p> <p>4:00 - 5:30 PM</p>	<p>JUNE 19 AM Opto-Mechanical Analysis</p> <p>Modeling Techniques (G. Michels / V. Genberg)</p> <p>1:30 – 4:00 PM</p> <p>Computer Lab</p> <p>4:00 - 5:30 PM</p>

**Breaks: Goergen, 5th Floor Lounge
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