



Special Topics in Optics

UNDERGRADUATE SUMMER SCHOOL (3-WEEK ONLINE PROGRAM)
JULY 25 - AUGUST 11, 2021



Program Schedule

- Week 1** TEACHING ASSISTANT (TA) LED READING WEEK
- Week 2** LECTURES & TA LED Q&A
- Week 3** FINAL PROJECT & PROGRAM WRAP-UP

TEACHING ASSISTANTS WILL SUPPORT A 1-HOUR DISCUSSION DAILY FOR BOTH READING AND LECTURE WEEK.

Program Fee: \$750

**Department of Electrical and
Computer Engineering Rankings**

#3 Graduate Program, Computer Engineering

#4 Graduate Program, Electrical Engineering

Online Format

Synchronous videoconference lectures, with assignments and group projects completed asynchronously.

Technology Requirements

Access to Wi-Fi and a device (computer, laptop, or tablet) suitable for participation in online videoconference sessions.

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<https://www.get.illinois.edu>



伊利诺伊大学全球教育与培训





PETER DRAGIC

Assistant Professor, Department of Electrical and Computer Engineering

Professor Dragic leads the Fiber Optics Research & Glass Engineering Lab. His research and design methodology of optical fibers relies heavily on a highly interdisciplinary approach that marries waveguide engineering and materials science. His research areas include coherent optics/imaging, lasers and optical physics, modeling and simulation of laser systems, nano-materials, nano-photonics, etc.

Course Topics

READING WEEK SESSIONS (4 HOURS)

Readings about the course topics will be assigned in preparation for the professor's lectures. A UIUC graduate student will lead discussions and answer questions to help students understand the content.

WORKSHOP SERIES IN OPTICS (10 HOURS)

- Current status & research areas in Optics and Photonics
- Optical communications
- Optical fiber technologies
- Imaging (bio and/or others)
- Optical sensors

Co-Curricular Sessions (4 HOURS)

Enriching students' experiences by providing interactive resources for planning their overseas U.S. education.

- Q&A with PhD student: graduate applications & research skills; writing academic research reports
- Graduate College: how to be a successful graduate student
- Career Services: intercultural communication and personal branding
- Program recognition & learning outcome showcase, led by University of Illinois & GET staff members

Program Details

Students must be entering second year of college or later. Instruction equips students with research methods and preparation to complete projects.

Students are expected to participate in live discussions and problem solving during each live class session.

- All classes in English
- 30 hours of engagement
- Quizzes and final project required
- Certificates awarded upon completion
- Course times 8:00 a.m. - 11:00 a.m. local China time
- Classes Monday through Friday

CONTACT OUR TEAM

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