Optical Sciences and Engineering Advanced Lecture Series (PHYS 500/ECE 595 OSE Seminar Series)

Instructors: Dr. Jean-Claude Diels, Professor

Instructors Contract Information:

Dr. Diels's office CHTM, 114B **Email: jcdiels@unm.edu**

Class Location(s): PAÍS, Room 2540 and CHTM, Room 103

Class Attendance: The class meets on Thursdays from 12:45 PM –1:45 PM; due to scheduling constraints, we will typically begin the lectures at 12:50 PM. About 50% of the talks will be at PAÍS and about 50% will be held at CHTM. There will also be "special" lectures which will be held outside of the regularly scheduled class. Students are strongly encouraged to attend the "special" lectures, but attendance is not mandatory. The schedule is available on the OSE seminar website. Doris will post all official information before each lecture via the OSE website.
Please note that every student is expected to attend all the lectures in person, with an allowance of up to 3 online attendances if needed. If you require 100% online attendance, there must be significant circumstances such as severe childcare issues, sickness, or temporary disability. Please email me your requests and explanations, and I'll get back to you with the decision. Finally, you can make up an absence (2 total) by attending another STEM talk (ECE/P&A colloquia, CQuIC or NSME seminars, etc.). You need to attend the talk, fill out the substitution seminar form (on OSE website), obtain a signature from the seminar instructor, and email the form to Dr. Diels.

Overview/Learning Outcomes: This lecture course will feature a series of talks focused on the latest research in the field of Optical Science and Engineering. The speakers will include worldwide experts in the field of optics from academia, industry, and the national labs, as well as UNM faculty. Anticipated learning outcomes include:
1. Students will be exposed to a wide range of topics in optics and photonics.
2. Students will have a formal venue to network with leading scientists in the field.
3. Students will learn (by example) how to deliver a coherent oral presentation.

Requisites: All new incoming OSE students are required to sign up for the course. All continuing OSE students from all tracks are highly encouraged to take the course. Students from other disciplines are welcome!

Textbook: None.

Grading: Registered students will receive a grade of CR in this 1.0 credit hours class when they have successfully attended 80% or more of the scheduled lectures. Attendance will be monitored for each class via a sign-in sheet both in-class and by Zoom. To ensure that you get the most out of the class, successful attendance is defined as arriving by 12:50 PM and staying for the full lecture. There will be no exams for this course.

Assignment for Students Attending on Zoom: For students who have been given written permission by the instructor to be on Zoom 100% of the time, then in addition to the 80% attendance, you will need to submit a write-up of all lectures attended weekly by Friday afternoon via email (jcdiels@unm.edu) starting in February 2026. The write-up should summarize your learnings in one paragraph and does NOT need to exceed half a page or 250 words for each lecture. If you fail to do the write up, then it will count as an absence.

If you are a registered student utilizing one of your 3 online classes via Zoom, then you must submit the write-up assignment for the class you attend on Zoom by Friday afternoon via email (jcdiels@unm.edu) starting in February 2026. The write-up should summarize your learnings in one paragraph and does NOT need to exceed half a page or 250 words for each lecture. If you fail to do the write up, then it will count as an absence.

Accommodations: UNM is committed to providing equitable access to learning opportunities for students with documented disabilities. As your instructor, it is my objective to facilitate an inclusive classroom setting, in which students have full access and opportunity to participate. To engage in a confidential conversation about the process for requesting reasonable accommodations for this class and/or program, please contact Accessibility Resource Center at arcsrvs@unm.edu or 505-277-3506.

UAP 2720 and 2740. Our classroom and university should foster mutual respect, kindness, and support. If you have concerns about discrimination, harassment, or violence, please seek support and report incidents. Find confidential services at LoboRESPECT Advocacy Center, the Women's Resource Center, and the LGBTQ Resource Center. UNM prohibits discrimination on the basis of sex (including gender, sex stereotyping, gender expression, and gender identity). All instructors are "responsible employees" who must communicate reports of sexual harassment, sexual misconduct and sexual violence to Compliance, Ethics and Equal Opportunity. For more information, please see UAP 2720 and UAP 2740.

Credit-hour statement: This is a one-credit-hour course. Class meets for one 75-minute sessions of direct instruction for fifteen weeks during the Spring 2026 semester. Please plan for a minimum of 0.25 hours of out-of-class work (or homework, study, assignment completion, and class preparation) each week.

Respectful Conduct Expectations: I am committed to building with you a positive classroom environment in which everyone can learn. I reserve the right to intervene and enforce standards of respectful behavior when classroom conduct is inconsistent with University expectations [and/or classroom community agreements]. Interventions and enforcement may include but are not limited to required meetings to discuss classroom expectations, written notification of expectations, and/or removal from a class meeting. Removal from a class meeting will result in an unexcused absence. [Insert number] or more unexcused absences may result in permanent removal and a drop from the course (see attendance policy). The University of New Mexico ensures freedom of academic inquiry, free expression and open debate, and a respectful campus through adherence to the following policies: D75: Classroom Conduct, Student Code of Conduct, University Policy 2240 – Respectful Campus, University Policy 2210 – Campus Violence.

Responsible Learning and Academic Honesty: Cheating and plagiarism (academic dishonesty) are often driven by lack of time, desperation, or lack of knowledge about how to identify a source. Communicate with me and ask for help, even at the last minute, rather than risking your academic career by committing academic dishonesty. Academic dishonesty involves claiming that work created by another source is your own original work. It is a Student Code of Conduct violation that can lead to a disciplinary procedure. When you use a resource in work submitted for this class, document how you used it and distinguish clearly between your original work and the material taken from the resource.

Thriving and Finding Support: Students are especially successful at UNM when they take advantage of support and get involved in campus and academic life. Your MyUNM login page provides direct links to wellbeing resources, including financial capability, mental health, food, jobs, and resource centers. MyUNM will help you identify academic resources like peer tutoring and opportunities like study abroad. You can contact academic advisors and resource advisors for information and guidance via Student Hub on MyUNM. I look forward to providing you with information about academic opportunities related to our class and to helping you find support resources.

Religions and Faith Traditions: The University of New Mexico promotes respect for all religions and faith traditions. Any student who is unable to attend classes or to participate in any examination, presentation, or assignment on a given day because of the observance of a major religious holiday or cultural observance, or due to related travel, is encouraged to speak with their instructor about an excused absence and opportunities to make up, without unreasonable burden, any work that has been missed.