

Spring 2020: Optical Sciences and Engineering Advanced Lecture Series (PHYC500)

Instructor: D. Feezell (dfeezell@unm.edu) and J-C Diels (jcdiels@unm.edu)

Office: CHTM, Room 112B

Class meets: Thursday 11:30am - 12:30 pm; Due to scheduling constraints, we will typically begin the lectures at 11:35 AM. About 50% of the talks will be in CHTM Rm 101. About 50% will be held at the Physics & Astronomy and Interdisciplinary Science (PAIS) Building Rm 2540.

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.

You can substitute a special seminar or other STEM seminars (the Physics Colloquium, ECE Seminar, CQuIC, etc.) for one of your OSE seminars. You can substitute only 3 seminars per term. In order for the replacement seminar to count toward your attendance, you must fill out the substitute seminar form which is located on the OSE website on the home page and on the seminar page. The form must be signed by the faculty hosting the talk that you are attending. Please send the completed and signed substitution form to Drs. Feezell and Diels via email.

Overview: 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 world-wide 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 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 welcomed!

Textbook: None.

Final exam: 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 each class via a sign-in sheet. To ensure that you get the most out of the class, successful attendance is defined as arriving by 11:35 am and staying for the full lecture.