Current Subjects in Optics (1 unit). Discussion of current research topics in optics by optical sciences colloquium speakers. Course may be repeated for a maximum of 2 units or 2 completions.

Meeting Times: Thursdays 3:30 - 4:45 p.m.
The colloquium series will begin on Thursday, September 6, 2012.

Instructor: Professor J. Scott Tyo
Email: tyo@optics.arizona.edu
Phone: 626-8183

The purpose of Opti 595A is to introduce students to different aspects of current research in the field of optics. The students are expected to attend the weekly optical sciences colloquium and to write a one page summary about each colloquium. A hardcopy of the summary is due the Thursday after each colloquium. The paper can be put in the box outside the professor's office. In addition to the weekly assignments, all students in the class will attend one PhD dissertation defense in the College of Optical Sciences and write a summary on the defense. Distance students who are unable to arrange attendance at a dissertation defense may contact the instructor for an alternate assignment.

Writing Assignments: For each colloquium, the students should try to answer the following questions:
- What is the topic? Why is this person talking about this? Why should we care? Who would be interested in this?
- What have you learned?
- What are interesting and not interesting? What do you like and dislike?
- Why is this important or not important?
- What is the big picture and what are some of the applications?
- What have you learned?

Grading: Grading will be based on the quality of the write-ups and the final write-up. The student is expected to spend two hours a week on the course, one for attending the colloquium and one for writing the one page report.

<table>
<thead>
<tr>
<th>Number of Papers Missed</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-2</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>B</td>
</tr>
<tr>
<td>4</td>
<td>C, If Graded</td>
</tr>
<tr>
<td>5</td>
<td>D, If Graded</td>
</tr>
<tr>
<td>&gt;6</td>
<td>E, If Graded</td>
</tr>
</tbody>
</table>

Late assignments will be accepted up to a week after it was due and will be graded at 50% off. All materials that are over a week late will receive zero credit. If you want to get A in the class, you can only miss two reports!

Distance Students
The colloquia will be posted on-line for viewing by the distance students one week after the colloquium is given. The written reports by the distance students will be due one week after the lectures are posted (two weeks after the presentation is given).

Academic Integrity
According to the Arizona Code of Academic Integrity, “Integrity is expected of every student in all academic work. The guiding principle of academic integrity is that a student’s submitted work must be the student’s own.” Unless otherwise noted by the instructor, work for all assignments in
this course must be conducted independently by each student. Co-authored work of any kind is unacceptable. Misappropriation of exams before or after they are given will be considered academics misconduct.

Misconduct of any kind will be prosecuted and may result in any or all of the following:
- Reduction of grade
- Failing grade
- Referral to the Dean of Students for consideration of additional penalty, i.e., notation on a student’s transcript re: academic integrity violation, etc.

**Students with Learning Disabilities**
If a student is registered with the Disability Resource Center, he/she must submit appropriate documentation to the instructor if he/she is requesting reasonable accommodations.