EE 130: Introduction to Optoelectronics and Photonics
EE 230: Optical Fiber Communication

Description
Fundamental background, components and system design for optical fiber communication.

Intended audience: Graduate (EE230) or Undergraduate (EE130) students.

Textbook:
EE130/230: Optoelectronics and Photonics Principles and Practices, by S. O. Kasap
EE230: Fiber-Optic Communication Systems, by Govind P. Agrawal (Recommended)

Time: MWF 02:00-03:10 pm
Location: Engineering-2 194 / Telecast to Silicon Valley
Course Instructor: Ahmet Ali Yanik
E-mail: yanik@soe.ucsc.edu
Office hours: W&F 03:10-04:10 pm (BE 257C)

TA: Junce Zhang
E-mail: juncezhang@soe.ucsc.edu
LAB/Office hours: TBD
Course Expectations

Learning occurs by the active involvement of the student. The student is expected to come to class prepared to think and learn. The lecture period will be used to establish fundamental concepts. During lecture time, you will be asked to participate in solving problems. Always bring your calculator. It also is helpful to bring your textbook along.

To get the most out of this class, you need to read the assigned sections in the textbook before coming to class.

Working Together

You are encouraged to work in groups and discuss about the homework assignments. However, each has to write his/her own solution and fully understand them.
Academic Dishonesty

Any confirmed academic dishonesty including but not limited to copying homeworks or cheating on exams, will result in a no-pass or failing grade. You are encouraged to read the campus policies regarding academic integrity. Examples of cheating include (but are not limited to):

- Sharing results or other information during an examination.
- Working on an exam before or after the official time allowed.
- Submitting homework that is not your own work.
- Reading another student's homework solution before it is due.
- Allowing someone else to read your homework solution before the assignment is due.
- If there is any question as to whether a given action might be construed as cheating, see me before you engage in any such action.

Homework Assignments

Homeworks will be assigned and collected during class sessions. Late homework will not be accepted or graded. Homework is graded in terms of it being complete, well organized, readable and showing evidence of thoughtful attention to the problem itself. Sloppy submissions will not be considered for grading.
## Tentative Grading

<table>
<thead>
<tr>
<th>Course Element</th>
<th>Percentage of Course Grade</th>
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<tbody>
<tr>
<td>Homework and Class Participation</td>
<td>10%</td>
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<tr>
<td>Midterm 1</td>
<td>30%</td>
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<tr>
<td>Midterm 2</td>
<td>30%</td>
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<tr>
<td>Final Presentation (230) / Final Exam (130)</td>
<td>30%</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
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