

OPTI 521 Introductory Optomechanical Engineering

Graduate students taking OPTI 521 are required to complete the following:

- 1.) Synopsis of a published paper
- 2.) Tutorial on some concept in optical systems or optomechanics
- 3.) A brief presentation

Requirements:

1.) Synopsis of technical report

A relevant published paper or book chapter should be studied and explained. Include the key results of this paper. Who would want to use this? For what type of applications? Look at other papers and determine the relationship between your paper and others that cover similar topics. Size is not important, but the expected length is 3 – 5 pages. These should be submitted electronically and they will be posted for the rest of the class to download.

2.) Tutorial

A tutorial must be prepared explains a relevant concept or engineering practice. The student can choose the topic, but it must be approved by the instructor. (Candidate topics will be offered as suggestions throughout the year.) The paper should provide useful information to a working engineer and should list resources that provide more depth.

These should be submitted electronically and they will be posted for the rest of the class to download. Size is not important, but the expected length is 5 – 10 pages.

3.) Presentation

The student will present a brief (~15 min) presentation to the class on their synopsis or tutorial. We may have a special session to accommodate the presentations. (Distance learning students must make this presentation at their workplace.)

The presentation materials should be supplied electronically and they will be posted for the rest of the class to download.