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. Length of the paper is not important, but the expected length is 3 – 5 pages.
These should be submitted electronically and they will be posted to the *Optomech* web site.

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. Length of the tutorial is not important, but the expected length is 5 – 10 pages.

These should be submitted electronically and they will be posted to the *Optomech* web site.

3.) Presentation
The student will present a brief (~15 min) presentation on their synopsis or tutorial. The presentations will be scheduled by the student. The presentations can be made to the student's research group, or can be made at a special presentation session. (Distance learning students must make this presentation at their workplace.)

A scoresheet will be provided and used for evaluation of the presentation. The presentation materials should be supplied electronically, and they will be posted to the *Optomech* web site.