EE136: Introduction to nanophotonics and nanostructures

Instructor: Jelena Vuckovic

Winter 2013

Tuesday, Thursday 3:15pm – 5:00 pm
McCullough 126

Class websites:
- Public website, containing only general information (syllabus, course information, instructor’s coordinates): http://www.stanford.edu/class/ee136
- Useful class material (lecture notes, reading material etc) will be posted on the coursework portion of the class website. To access the coursework site for EE136:
  - Go to http://coursework.stanford.edu and log in using your Sunet ID and password. You should be able to see EE136 listed under your classes. Or:
  - Follow the link to coursework from the bottom of the EE136 public page listed above, and log in using your Sunet ID and password.

Instructor’s coordinates:
Spilker Building (Formerly known as the Nano Building), office #209
Phone: x5-2288, E-mail (@ stanford.edu): jela
WWW: http://www-ee.stanford.edu/~jela

Instructor’s office hours:
Fridays, 10:30am-12:00pm, Nano #209

TA’s
Sonia Buckley
E-mail (@ stanford.edu): bucklesm

Armand Rundquist
E-mail (@ stanford.edu): armandhr

WWW: http://www.stanford.edu/group/nqp
Office hours: TBA

Grader
Marina Radulaski (marina01)

Administrative staff:
Ingrid Tarien
ingrid@ee
location: Nano #306
phone: (650) 723-0206
Reading material
- There are no required textbooks for the class.
- Course reader and lecture notes will be posted on the class website.

Homework
- There will be ~6 homeworks, with the first HW out most likely in the second week of classes.
- You will also receive reading assignments from various sources (mainly recent journal articles on the topics related to this class) which we will discuss in class.
- *Late homeworks* will be graded according to the following formula:

\[
s(t) = \begin{cases} 
  s(0) \cdot e^{-\frac{t}{14}}, & 0 \leq t < p \\
  0, & t \geq p
\end{cases}
\]

where $t$ is the time when homework is turned in (measured in days from the due date $t=0$), $s(0)$ is the homework score on the due date, and $p$ is the time when solutions are posted on the class web site.
Exceptions to grading according to this formula are possible in special circumstances, by contacting the instructor.

Exams
- There will be no exams.

Final project
- You will have a final project that will contribute to 20% of your class grade. The project will consist of choosing a topic related to the class material, writing a short report on it (5 pages long, 12 pts font, double spaced, 1” margins) and giving a brief, 10 min presentation on it in class. Final presentations will be in class, scheduled during the last week of classes (week of March 11)
- The deadline for choosing a topic for your final project and notifying the instructor and the TA about it is February 22. You are highly encouraged to discuss interesting topics for your presentation with the instructor before that.
- Your final project reports and slides (power point or pdf) for your final presentations will be due on Friday March 8, 2012 (tentatively). You will send it by e-mail to the instructor and the TA’s.

Honor code
Discussion with others is strongly encouraged for all assignments, reading materials and final projects, but you are not allowed to copy somebody else’s work or use any sources that contain the answer to an assigned problem or one very similar to it. Basically, what you turn in has to be your own work.
Grade distribution:

- 70% - weekly homework
- 10% - participation in the in-class discussions of the assigned reading material.
- 20% - final project and presentation.