

EE340: Advanced Topics in Optics and Quantum Optics

Optical Microcavities

Instructor: Jelena Vuckovic

Spring 2009

Mon Wed Fri 10 - 10:50 am
McCullough 122

Class web-site

<http://www.stanford.edu/class/ee340>

(lecture notes and assignments are posted on the coursework portion of the class websute)

Instructor's coordinates:

Ginzton Lab, office 1

Phone: x5-2288, E-mail: jela@stanford ,

WWW: <http://www-ee.stanford.edu/~jela>

Instructor's office hours

Fridays, 11am – 12:30pm, Ginzton 1

TA's:

1. Kelley Rivoire (krivoire)

2. Arka Majumdar (arkam)

Office hours: TBA

Location of office hours: Ginzton 31

Administrative staff:

Ingrid Tarien

ingrid@ee

location: Applied Physics #211

phone: (650) 723-0206

Course materials

- There are no required textbooks.
- Lecture notes will be posted on the class web site.
- See the syllabus for the list of useful references.

Homework

- Between 6 –7 problem sets. They will be posted on the class web site, and solutions will be due one week later.
- Late homeworks will be graded according to the following formula:

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

where t is the time when homework is turned in (measured in days from the due date $t=0$), $s(t)$ is the homework score as a function of time, $s(0)$ is the homework score on the due date, and p is the time when solutions are posted on the class web site (measured in days from the due date).

Exceptions to grading according to this formula are possible in special circumstances, by contacting the instructor.

- Reading assignments from various sources (mainly articles from the current literature). We will have in-class discussions of assigned reading, mostly in the 2nd half of the quarter. Reading of these articles and participation in their discussions is required (otherwise, you may lose up to 10% of the class score).

Exams

- No exams

Honor code

Homework: Discussion with others is strongly encouraged, but you are not allowed to copy somebody else's homework solution or use any sources that contain the answer to an assigned problem or one very similar to it.

Grade distribution:

Homework = 90%

Reading assignments and participation in their discussions = 10%