

UNIVERSITY OF CALIFORNIA
College of Engineering
Department of Electrical Engineering and Computer Sciences

EE290D
Spring 1999

Handout #38
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RESEARCH PAPER/PROPOSAL GUIDELINES

Objective:

The purpose of this project is to give you an opportunity to address a particular FPD technology issue of interest to you. You are expected to investigate in detail a particular problem/challenge for one of the FPD technologies covered in the course, and to offer a novel solution, *i.e.* an innovative means for achieving improved performance characteristics or for lowering manufacturing cost. For example, you may choose to propose a novel fabrication process, an innovative display-driving technique, or an altogether new display technology providing (in concept) an advantage over existing FPD technologies. You are encouraged to work on this project in groups of two.

Report:

A written report in the format described below must be submitted by **Monday, May 17**.

The entire report (including all figures, tables, and references) shall not exceed 10 pages. All pages shall be printed on 8.5 inch by 11 inch paper with type not smaller than 12 point. The report must include the following sections:

- A. Cover sheet to include: project title, team members
- B. Introduction: background and discussion of current research and development efforts
- C. Technical approach
- D. Comparison with ongoing efforts, indicating advantages and disadvantages of proposed approach

Presentation:

Each team must prepare and present a brief (<10 minutes in duration) oral presentation to the rest of the class

on **Tuesday, May 4.**

Grading:

Your project will be evaluated using the following criteria:

- Scientific and technical merit: scored from 1 to 5
- Innovativeness: scored from 0 to 2
- Clarity of oral presentation: scored from 1 to 3

Maximum possible score: 10

NOTE ON DERIVATION OF COURSE GRADE:

The numerical score on which the course grade will be based is derived as follows:

- Homework Assignments #1-2: 6% each
- Homework Assignments #3-6: 12% each
- Project: 40%

Letter grades will be assigned based on the following scale:

- 85-100: A
- 80-85: A-/B+
- 70-80: B
- 65-70: B-
- <65: C