

21W.732 ASSIGNMENTS AND SCHEDULE, MID-OCTISH 2009

MOVIE ASSIGNMENT—write a pair of one page (or more) essays that answer the questions:

1. What did I learn about working in teams from watching the movie *Stagecoach*?
2. How is non-verbal communication used in the movie *Stagecoach*? What does this tell you about the transition from silent films to talkies?

For both essays, I encourage a significant portion of the “support” for your contention to come directly from the movie. The “personal response” will not be re-written. The “literary analysis” will be expanded and polished in further drafts.

DUE: Wed, Oct 14. Please bring 4 copies of the “literary analysis” draft to class on Wed for peer review. Post both essays on your personal web site. It would be best to place your 21W.732 work in a password/Kerberos protected directory. Dave would be happy to help with setting the permissions; further info on doing so can be found at:

<http://web.mit.edu/accounts/www/LockerGuide.html#HDR3.2>

<http://ist.mit.edu/services/web/reference/web-resources/https>

The subsequent draft will be due a week later.

MEET WITH DAVE—Find a time to meet with Dave and then meet with him. His schedule is posted on his door; pencil your name in for a half hour block of time; midweek, Dave will know better what his Friday and weekend availability will be. On Dave’s agenda items are:

- 5th week feedback
- report feedback
- elevator pitch review
- notebook review (especially: reading responses, project II individual ideation, rough FRDPARRC, & idea winnowing/selection)
- + your agenda

DUE: this meeting with Dave is best done before Oct 19.

TEAM/PROJECT II PROGRESS:

* Proposal—written and oral. Your functional requirements are to harvest solar energy into a ½ liter of water, to do so accurately and repeatably, and to do so with a widget that can fit in a 1 m³ cube. Emphasize the model (background) that predicts how much energy a device in your design space can harvest. And be sure to include a project budget as this must be approved before purchasing begins.

DUE: Tuesday (Monday schedule), Oct 13 in class

* Team web presence—create a web site where your team can post project II work. The objective of this web presence is to convey the importance, magnitude, and utility of your work to Dave Custer, Alex Slocum, other interested powers that be (e.g. MIT energy initiative folks, writing program folks, mechanical engineering folks...).

DUE: Wed, Oct 14

* Prototype—Build three prototypes of your solar energy harvester for demo in class on Oct 19. The prototypes will be tested during class on Wed, Oct 21 (sunshine permitting).

DUE: Monday, Oct 19 in class. Expect the report to be due the following week.

READING:

- For Oct 7: The Science of Scientific Writing, Kishlanski on reading, meeting reading
- For Oct 14: ASME ethics and authors, listening reading
- For Oct 21: Pogue’s camera article