

University of Delaware -- Computer and Information Science

CISC829 -- Spring 2009

Student Lecture Instructions

Recall from the information sheet the requirement:

Each student will give one lecture on a mutually agreeable topic in algorithm design and analysis.

This handout provides a few instructions and information on that lecture.

What is this about?

As noted above, each person taking the class for credit is required to give one lecture on algorithm design and analysis. This can be done using chalk, powerpoint or some combination thereof. The idea with the lecture is to present at least one algorithm or method in a reasonably complete fashion -- when the lecture is over, everyone in the class (and the instructor!) should have a reasonably good idea about how and why the algorithm/method works. Each lecture should:

- provide the necessary background: this should include definitions, applications, etc.
- summarize the main results on this topic
- describe in detail one or more algorithms/methods. This is the part that should consume most of the time. Again, the goal is for the class to really understand what you present.

Timetable

Relative to your preparation for your lecture, here is a rough timetable:

- At least four weeks prior to your lecture, agree with Dr. Lloyd on the subject of your lecture.
- At least three weeks prior to your lecture, prepare a roughly half-page outline of your lecture and go over it with Dr. Lloyd.
- At least two weeks prior to your lecture, prepare a full set of lecture notes and go over them with Dr. Lloyd. Note that it is UP TO YOU on how much detail you include in your notes. They are for YOU, and not for anyone else. The only purpose of going over them with Dr. Lloyd is to make sure that the material will flow logically, etc.
- At least one week prior to your lecture, finalize the lecture. Practice the lecture by running it through in your head. KNOW what you want to say!

Grading

This lecture constitutes 20% of your course grade. The lecture will be graded in four areas, which worth one quarter of the total:

preparation correctness content delivery

Available Lecture Dates

Here is a list of the available dates for your lecture. Please contact Dr. Lloyd to select a date. Selection is first come, first served.

April 14, 16, 21, 23, 28, 30

May 5, 7, 12, 14, 19