

Name:

Email address:

(please print **very** carefully, multiple addresses ok)

To help me understand your background and pace the class accordingly, please answer the following questions as honestly as you can (your answers will not be used in any kind of formal assessment). If you don't know the answer, or you only have a rough idea, please indicate that. Keep your answers as brief as you can!

1) Please list the main languages in which you consider yourself to be a competent programmer (start with the languages that you've used most):

2) Please list the prerequisite classes that you have completed, and the ones that you have not completed:

3) Please outline any previous experience with work on compiler design or construction:

4) Do you think you would benefit from a review (or overview) of Java programming?

5) Please mention any topics that you're particularly hoping to learn about during this class (or its successor, CS 322):

6) Write a context free grammar to describe the language that contains all strings of binary digits that correspond to multiples of 4 (e.g., 0, 100, 1000, 1100, ...):

7) Write a regular expression to describe the language that contains all strings of binary digits that correspond to multiples of 4:

8) What features distinguish DFAs from NFAs?

9) Explain (very briefly) what is meant by an LL(1) grammar

10) How might you use the "Pumping Lemma"?

11) What is the "Halting problem", and why is it significant?

12) Have you ever written assembly language programs? If so, what machine were they intended to run on?

13) Have you ever used a parser generator (e.g., yacc)?

14) What is your favorite kind of movie?

Any other comments