

CPSC 511 — Information about the Midterm Test

The midterm test will be written at 6:00 pm on Tuesday, February 27, in ENE 243.

Material covered on the test will include everything that has been discussed up to and including nondeterministic computation — so that it will include everything up to Lecture #14.

Things that you might be asked to do include

- providing formal definitions — or less formal explanations in your own words — of fundamental concepts (and complexity classes);
- describe fundamental results — including such things as the Cook-Levin Theorem, the Linear Speedup and Hierarchy Theorems, and so on — as well as their implications. You might be asked to sketch a proof of one of these fundamental results — but you will be given a choice about the proof to explain in this case.
- solve a problem similar to one found on the first two assignments, or the exercises for the first fourteen lectures.

The duration of this test will be 90 minutes. Students will be allowed to bring one double-sided letter-sized page of notes into this test. A short list of \mathcal{NP} -complete problems will also be provided — and will be available before the test. No other aids will be allowed.