These lecture notes are what I use to teach the course CS 341 (Foundations of Computer Science II) at NJIT. The course textbook is currently *Introduction to the Theory of Computation, 3rd Edition* (Course Technology, 2012) by Michael Sipser, and the development of the material in these notes corresponds to the layout there. These notes are meant to be a supplement (not a replacement) for the textbook in the course.

In writing these notes, I sometimes based them on different sources, including:

- Wim Van Dam’s notes for CS172 at UC Berkeley
- John Reif’s notes for CPS140 at Duke
- Salil Vadhan’s notes for CS 121 at Harvard
- Costas Busch’s notes for CSCI 2400 at RPI.

For eLearning students, the following is a rough guideline for how the recorded modules correspond to the pages in this set of lecture notes:
Finally, as anyone who has written a large document knows, it is virtually impossible to eliminate all of the errors. I have proofread these notes many times, but I am sure there are still mistakes in it.

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