Location, etc:
Place: E. A. Stevens, Room 111
Time: 6:15pm–8:45pm Tuesdays
Professor: Rebecca Wright, rwright@cs.stevens-tech.edu
Office hours: 2-4pm Thursdays by appointment only, 216 Lieb

Textbooks:
(Reading assignments below refer to Padadimitriou except where indicated by G&J.)

Syllabus:
January 20 Introduction, Problems and Algorithms
Reading: ch. 1

January 27 Turing Machines
Reading: ch. 2

February 3 HOMEWORK 1 DUE
Computability
Reading: ch. 3

February 10 Boolean Logic
Reading: ch. 4

February 17 MONDAY SCHEDULE: NO CLASS

February 24 Relations between Complexity Classes
Reading: ch. 7

March 2 HOMEWORK 2 DUE
Reductions and Completeness
Reading: ch. 8

March 9 MIDTERM EXAM

March 16 SPRING RECESS: NO CLASS
March 23  NP-Completeness
     Reading: ch. 9, G&J ch. 1–3

March 30  NP-Completeness, cont’d
     G&J ch. 4–5

April 6   Homework 3 due
     NP-Completeness, cont’d
     Reading: G&J ch. 6, browse Appendix

April 13  coNP and Function Problems
     Reading: ch. 10

April 20  Randomized Computation
     Reading: ch. 11

April 27  Homework 4 due
     Cryptography, Approximability
     Reading: ch. 12, 13

May 4    Final Exam

Grading:

     Homework Assignments  40%  (lowest score dropped)
     Midterm Exam           25%
     Final Exam             25%
     Class Participation    10%

Late policy:

Assignments are due at the start of class on their due dates. Late assignments will not be accepted. All exceptions must be cleared in advance.