Notes January 5 (1)

• Two discussion sections are “equivalent”. You can attend either. Attendance at discussion is strongly recommended but not required.
• The department has so far hired only one 50%-time TA. Hopefully, two 25%-time TAs will be added by end of tomorrow. Stay tuned.
• Programming HWs → added insight into how certain algs work
• Please do not fall behind in this course; it moves fast!
  – Understand the 105% possible, 90+% = at least a form of A, etc. system
• Please understand that basics from your discrete math courses are assumed (counting, probability, solving recurrences, proving (by induction, by contradiction, …), etc.)
• Why I don’t use chalk: really bad (skin) allergy to chalk dust
  – I have tried pretty much every workaround over the past 20+ years
• Why not “peer instruction” (with clickers, etc.)?
  – Hmmm. I will have to post at least one video (Lecture 20), hopefully others……..
• If you have any problems, questions, suggestions – contact me!
  – In particular, if you have suggestions for making the course better……
Notes January 5 (2)

• **NOTE TO EXTENSION STUDENTS:** There is no clean link from UCSD Extension to gradesource. Please send your name, email address and student ID to me, so that I can add you to the rosters and send you secret password, etc.

• HOMEWORK “templates” in LaTeX: If we do this, it is for convenience for those who want to use LaTeX (e.g., if it’s easier than handwriting). IMPORTANT: Please, at least look at the PDF versions of the “template” solutions, so that you are aware of all required solution elements. E.g., (a) pseudocode, (b) proof of correctness, (c) time complexity analysis, etc.

• Note re “fun problems” – they can recur in the class, so think about them …

• Note regarding the Euclid’s Algorithm (gcd) slides: A helpful way to understand a claimed inequality such as $\gcd(n,m) \leq \gcd(m,n-m)$ could be: “anything that divides both of these must also divide both of those”

• ***** Notes from after class
  – I’ve requested the CSE Student Affairs Office to enroll students off the waitlist, since there appear to be seats available in the classroom.
  – I’ve requested department and TA(s) to set up podcasting of the Monday 3-4pm discussion section as well as the Friday homework review sessions (Fridays 3:00-4:50pm, Center 216). See Piazza @8.
  – I’ve replicated the “welcome” email for students on the waitlist.