

Week#	Date – L/T	To Do	Topics to be Lectured
1	Jan/7 - L1	Overall Discussion, Start lectures	Asymptotic Analysis →
	Jan/9 - T1	Problem solving	Examples on Computing O, Omega, Theta
	Jan/9 - L2	Finish Analysis, Start D&C algorithms, A1 out	Asymptotic Analysis → D&C (Intro/review) →
	Jan/11 - L3	D&C cont.	D&C (Intro/review) →
2	Jan/14 – L4	D&C cont.	D&C (Intro/review) →
	Jan/16 - T2	A1 Due time	Review the solution of A1
	Jan/16 – L5	D&C cont., A2 out	D&C (Intro/review) → D&C (Master theorem & Ex) →
	Jan/18 – L6	D&C cont.	D&C (MT & Ex) →
3	Jan/21 – L7	D&C cont.	D&C (MT & Ex) → D&C (Solving recurrences) →
	Jan/23 – T3	A2 Due time	Review the solution of A2
	Jan/23 – L8	D&C cont., A3 out	D&C (Solving recurrences) →
	Jan/25 – L9	D&C cont.	D&C (Solving recurrences) →
4	Jan/28 – L10	Finish D&C, Start Backtracking algorithms	D&C (Solving recurrences) → Backtracking & SAT →
	Jan/30 – T4	A3 Due time	Review the solution of A3
	Jan/30 – L11	Backtrack cont., A4 out	Backtracking & SAT →
	Feb/1 – L12	Backtrack cont.	Backtracking & SAT →
5	Feb/4 – L13	Finish Backtrack. Start Greedy algorithms	Backtracking & SAT → Greedy (Huffman & MST) →
	Feb/6 – T5	A4 Due time	Review the solution of A4
	Feb/6 – L14	Greedy cont., A5 out	Greedy (Huffman & MST) →
	Feb/8 – L15	Greedy cont.	Greedy (Huffman & MST) → Greedy (Union Find) →
6	Feb/11 – L16	Greedy cont.	Greedy (Union Find) →
	Feb/13 – T6	A5 Due time	Review the solution of A5
	Feb/13 – L17	Greedy cont., Midterm-sample questions out	Greedy (Union Find) →
	Feb/15 – L18	Finish Greedy, Start Dynamic programming	Greedy (Union Find) → Dynamic Programming →
7	Feb/18 – L19	NB Holiday (Family day)	No Lecture
	Feb/20 – T7	Midterm preparation	Review Midterm sample questions.
	Feb/20 – L20	DP count., A6 out	Dynamic Programming →
	Feb/22 – L21	DP count.	Dynamic Programming →
8	Feb/25 – L22	Midterm on A1-A5	Midterm
	Feb/27 – T8	A6 Due time	Review the solution of A6
	Feb/27 – L23	Return midterms, DP count., A7 out	(Review Midterm Questions), Dynamic Programming →
	Mar/1/ – L24	Last day to withdraw with “W” record, DP count.	Dynamic Programming →
9	Mar/4 – L25	March Break = No Class	
	Mar/6 – T9		
	Mar/6 – L26		
	Mar/8 – L27		
10	Mar/11 – L28	DP count.	Dynamic programming →
	Mar/13 – T10	A7 Due time	Review the solution of A7
	Mar/13 – L29	DP count., A8 out	Dynamic programming →
	Mar/15 – L30	DP count.	Dynamic programming →
11	Mar/18 – L31	Finish DP, Start Multithreaded Alg.	Dynamic programming → Multithreaded algorithms →
	Mar/20 – T11	A8 Due time	Review the solution of A8
	Mar/20 – L32	Multithreaded Alg. count., Quiz on DP, A9 out	Quiz, Multithreaded algorithms →
	Mar/22 – L33	Multithreaded Alg. count.	Multithreaded algorithms →
12	Mar/25 – L34	Multithreaded Alg. count, Return the Quiz	Review the quiz questions, Multithreaded algorithms →
	Mar/27 – T12	A9 Due time	Review the solution of A9
	Mar/27 – L35	Multithreaded Alg. count., A10 out	Multithreaded algorithms →
	Mar/29 – L36	Multithreaded Alg. count.	Multithreaded algorithms →
13	Apr/1 – L37	Multithreaded Alg. count.	Multithreaded algorithms →
	Apr/3 – T13	A10 Due time	Review the solution of A10
	Apr/3 – L38	Multithreaded Alg. count., Final-sample questions out	Multithreaded algorithms →
	Apr/5 – L39	Finish Multithreaded Alg.	Multithreaded algorithms → NP-Complete problems →
14	Apr/8 – L40	Start NP-Complete	NP-Complete problems → Reductions →
	Apr/10 – T14	Problem solving	Reductions
	Apr/10 – L41	Review for final exam. Last lecture	Review sample questions for final exam
	Apr/12 – L42	Reading day	Best of Luck!

- “L”, “T”, and “A” stand for “Lecture”, “Tutorial”, and “Assignment”, respectively.
- Lecture time/place: 13:30-14:20 in ITC317.
- Tutorial time/place: 9:30-10:20 in HC9.