

CSCI 2200 Foundations of Computer Science (FoCS)

“MMI” refers to **Discrete Mathematics and Computing: A Set of Lectures** by Malik Magdon-Ismael, 2020 (ISBN 0-578-56787-7)

Week	Readings	Monday	Tuesday	Wednesday	Thursday	Friday
1	MMI: Preface, Ch.0-2		Aug 30: Syllabus, Modeling, Creative Problem-Solving	Aug 31: NO RECITATION		Sep 2: Discrete Objects, Axioms, Proofs
2	MMI: Ch.3	Sep 5: NO CLASSES (Labor Day)	Sep 6: NO CLASS (Monday schedule)	Sep 7: [Problem Set 1 DUE]		Sep 9: Making Precise Statements, Propositions
3	MMI: Ch.4-5	Sep 12: [add deadline]	Sep 13: Proofs, Proof Techniques	Sep 14: Q&A	Sep 15: [HW1 DUE]	Sep 16: Proof Techniques
4	MMI: Ch.6-7		Sep 20: Induction, Strong Induction	Sep 21: [Problem Set 2 DUE]		Sep 23: Induction, Recursion
5	MMI: Ch.8-10		Sep 27: Strong Induction, Leaping Induction, Exam 1 prep	Sep 28: [Problem Set 3 DUE]	Sep 29: [HW2 DUE]	Sep 30: NO CLASS [CAREER FAIR]
6	MMI: Ch.11		Oct 4: Exam Review	Oct 5: Exam Review [6:00PM EXAM 1]		Oct 7: Recursion
7	MMI: Ch.12-13	Oct 10: NO CLASSES (Columbus Day)	Oct 11: Recurrences	Oct 12: [Problem Set 4 DUE]		Oct 14: Structural Induction
8	MMI: Ch.14-15		Oct 18: Proofs with Recursive Objects	Oct 19: Q&A	Oct 20: [HW3 DUE]	Oct 21: Sums, Asymptotics [drop deadline]
9	MMI: Ch.16-17		Oct 25: Asymptotics, Number Theory	Oct 26: [Problem Set 5 DUE]		Oct 28: Number Theory, Graphs
10	MMI: Ch.18-20		Nov 1: Number Theory, Graphs Exam 2 prep	Nov 2: [Problem Set 6 DUE]	Nov 3: [HW4 DUE]	Nov 4: Counting, Graphs
11	MMI: Ch.22		Nov 8: Counting, Exam Review	Nov 9: [Problem Set 6 DUE] Exam Review [6:00PM EXAM 2]		Nov 11: Counting, Probability
12	MMI: Ch.23-24		Nov 15: Probability	Nov 16: [Problem Set 7 DUE]		Nov 18: Deterministic Finite Automata (DFAs) [P/NC deadline]
13			Nov 22: NO CLASS	Nov 23-25: NO CLASSES (Thanksgiving Break)		
14	MMI: Ch.25-26		Nov 29: Context Free Grammars (CFGs), Turing Machines	Nov 30: [Problem Set 8 DUE]		Dec 2: Turing Machines
15	MMI: Ch.27-29		Dec 6: Unsolvable Problems, Class P, Class NP	Dec 7: Q&A	Dec 8: [HW5 DUE]	Dec 9: Final Exam Review
16		Dec 12-13: NO CLASSES (Reading/Study Days)		Dec 14-20: [COMPREHENSIVE FINAL EXAM WEDNESDAY 3:00-6:00PM DCC 308/324]		