A Tables and Figures

A.1 Grade breakdown (Syllabus)

Topic	% of Grade	Which pre-final exam
Dynamic Programming	13%	Midterm
Greedy (Proof)	13%	Midterm
Divide and Conquer	10%	Midterm
Network Flow (reduction)	12%	Week 15 Quiz
Complexity (reduction)	12%	Week 15 Quiz

Table 1: Breakdown of topics and weight for Fall algorithms course

Topic	# Kept	# Chances	% Of Grade	# On Exams
Non-inductive proofs	3	5	15%	One each quiz, Two at final.
inductive proofs	2	4	15%	Two on quiz 2 Two at final
Fundamental Graph Algs	2	4	10%	Two on quiz 2 Two on final
Counting	1	3	5%	One on quiz 2 One on quiz 3 One at final
Discrete Probability	1	2	5%	One on quiz 3 One on final
Number Theory	1	2	5%	One on quiz 3 One on final

Table 2: Breakdown of topics and weight for Spring discrete math course.

A.2 Improvement at Final exam, Fall Algorithms

Topic	# Attempts	# Improved	% Improved
Dynamic Programming	144	131	91%
Greedy	39	16	41%
Divide and Conquer	10	7	70%
Network Flow	120	77	64%
Complexity	143	60	42%

Table 3: Improvement by topic at the Fall algorithms course's final exam.

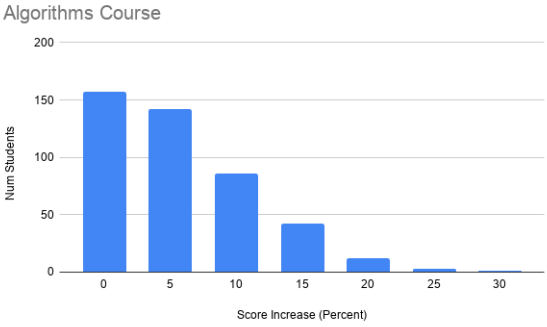

Figure 1: Improvement as a percent of score in the Fall algorithms course

A.3 Improvement at Final Exam, Spring Discrete Math

Topic	# Attempts	# Improved	% Improved
Non-Inductive Proofs	234	193	82%
Inductive Proofs	243	213	88%
Fund. Graph Algorithms	178	164	92%
Counting	58	20	34%
Probability	48	9	19%
Number Theory	28	12	43%

Table 4: Improvement by topic at the Spring discrete math course's final exam

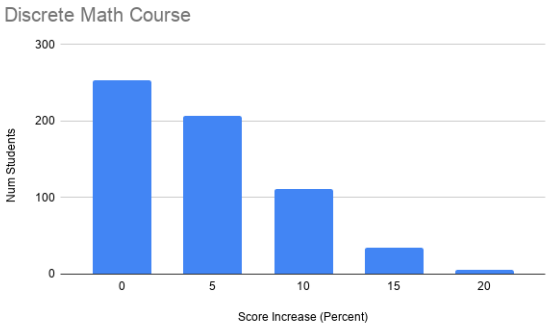

Figure 2: Improvement as a percent of score in the Spring discrete math course