Autumn 2018, Tentative Schedule for Math 3345

Monday	Wednesday	Friday
Aug 20th	22nd **1** **First Day of Classes** First class: §2 : ¬, ∧, ∨, truth tables	24th **2** §2: De Morgan's Laws
27th **3** §2: $\Longrightarrow$, $\Longleftrightarrow$, contrapositive	29th **4** §3: quantifiers	31st **5** §3: quantifiers, generalized De Morgan's Laws
Sep 3rd **Labor Day** **No Classes**	5th **6** §3: quantifiers	7th **7** §3: predicate calculus
10th **8** §4: proofs	12th **9** §4: even and odd numbers, rational numbers	14th **10** **Deadline to Drop** §4: $\sqrt{2}$ is irrational
17th **11** §4: primes	19th **12** §4: infinitely many primes	21st **13** §4: discussion
24th **14** §5: Induction	26th **15** §5: induction, binomial coefficients	28th **16** §5: Induction
Oct 1st **17** §5: complete induction	3rd **18** §6: induction versus insight, §7: complete induction	5th **19** **Midterm 1**
8th **20** §10: Sets	10th **21** §10 Sets	12th **Veterans Day** **No Classes**
15th **22** §10: De Morgans' Laws	17th **23** §10: Venn diagrams, power set	19th **24** §10: Cartesian products
22nd **25** §11: functions	24th **26** §11: injections, surjections bijections	26th **27** **Deadline to Drop (W)** §12: more functions
29th **28** §12: more functions	31st **29** §17: relations	Nov 2nd **30** §13: counting
5th **31** §14: more counting	7th **32** §15: infinite sets	9th **33** §16: infinite sets
12th **34** §16: Russell's paradox	14th **35** §17: relations	16th **36** §17: equivalence relations
19th **37** **Midterm 2**	21st **Thanksgiving Break** **No Classes**	23rd **Thanksgiving Break** **No Classes**
26th **38** §17: posets	28th **39** §17: posets	30th **40** §18: well ordered sets
Dec 3rd **41** §10-§17: review	5th **42** **Last Day of Classes** review	7th **Finals**
10th **Finals**	12th **Finals**	14th
17th	19th	21st