Math 152/153, Accelerated Calculus II & Sequences and Series, Tentative Schedule:

Monday	Wednesday	Friday
Jan 10th **1** syllabus, 9.1 Parametric Equations	12th **2** 9.2 Tangents & Parametric Curves	14th **3** 5.1 Areas & Distances
17th **MLK Day**	19th **4** 5.2 Definite Integral	21st **5** 5.3 Total Change Theorem
24th **6** 5.4 FUNdamental Theorem of Calc	26th **7** 5.5 U-Substitution	28th **8** 6.1 Integration by Parts
31st **9** 6.1 Integration by Parts, review	Feb 2nd **10** **Midterm Exam**	4th **11** 6.2 Trig Integrals & Substitution*
7th **12** 6.3 Partial Fractions	9th **13** Summary of Integration Methods/6.6 Improper Integrals	11th **14** 7.1 Area Btwn Curves/ 7.2 Volumes of Solids
14th **15** 7.2/7.3 Volumes of Solids	16th **16** 7.4 Arc Length/ 7.6 Work Integrals	18th **17** 7.6 Work Integrals, 9.3 Polar Coords
21st **Mid-Semester Break**	23rd **18** 9.3 Polar Graphs & Derivatives	25th **19** 9.4 Areas for Polar Curves
28th **20** 7.5 Surface Area	Mar 2nd **21** **Final Exam**	4th **22** Syllabus, 8.7 Taylor Polynomials
7th **23** 8.1 Sequences	9th **24** 8.1 Sequences	11th **25** 8.2 Series
14th **26** 8.2 Series	16th **27** 8.3 Integral & Comp.Tests	18th **28** 8.3 Integral & Comp Tests
21st **Spring Break**	23rd **Spring Break**	25th **Spring Break**
28th **29** 8.4 Alternating Series, absolute convergence	30th **30** 8.4 Ratio Test/Review	Apr 1st **31** **Midterm Exam**

Monday	Wednesday	Friday
4th **32** 8.5 Power Series	6th **33** 8.6 Rep Functions as Power Series	8th **34** 8.7 Taylor & Maclaurin Series
11th **35** 8.7 Taylor's Remainder Thrm	13th **36** 8.8 Apps of Taylor Polys	15th **37** Fourier Series
18th **38** Fourier Series	20th **39** Fourier Series	22nd **40** Fourier Series
25th **41** Catch up, review	27th **42**	29th **43**