MATH 1151   (TENTATIVE) CALENDAR   SPRING 2019

Monday	Tuesday	Wednesday	Thursday	Friday
January 7 **First Day of Classes** Understanding functions(UF) Review of famous functions(ROFF)	8 WORKSHEET UF, ROFF	9 Review of famous functions(ROFF) What is a limit?(WIAL)	10 WORKSHEET ROFF, WIAL	11 What is a limit?(WIAL)
14 Limit laws(LL) **Online homework due Precalc. Rev.**	15 WORKSHEET WIAL, LL **CCR due (online)**	16 (In)determinate forms(IF) **Online homework due WIAL, LL**	17 **QUIZ 1** Understanding functions Review of famous functions What is a limit Limit laws WORKSHEET IF	18 Using limits to detect asymptotes(ULTDA) **CKA 1 due (online)**
21 **MLK Day – No Classes**	22 WORKSHEET ULTDA **WH 1 due**	23 Continuity and the Intermediate Value Theorem(CATIVT) **Online homework due IF, ULTDA**	24 **QUIZ 2** (In)determinate forms Using limits to detect asymptotes WORKSHEET CATIVT	25 An application of limits (AAOL)
28 **REVIEW** **Online homework due CATIVT**	29 Review **MIDTERM 1 (7:30-8:25pm)** Understanding functions-- Continuity and the Intermediate Value Theorem	30 Definition of the derivative (DOTD)	31 WORKSHEET AAOL, DOTD	**February 1** **Last day to drop w/o "W"** Derivatives as functions (DAF)
4 Rules of differentiation (ROD) **Online homework due AAOL; DOTD**	5 WORKSHEET DAF, ROD	6 Product rule and quotient rule(PRAQR) **Online homework due DAF, ROD**	7 **QUIZ 3** An application of limits Definition of the derivative Derivatives as functions Rules of differentiation WORKSHEET PRAQR	8 Chain rule(CR)
11 Higher order derivatives and graphs(HODAG) **Online homework due PRAQR**	12 WORKSHEET CR, HODAG	13 Implicit differentiation(ID) **Online homework due CR, HODAG**	14 **QUIZ 4** Product rule and quotient rule Chain rule Higher order derivatives and graphs WORKSHEET ID	15 Logarithmic differentiation (LD)
18 Derivatives of inverse functions (DOIF) **Online homework due ID**	19 WORKSHEET LD, DOIF	20 **REVIEW** Computation of derivatives	21 **Computational Test** WORKSHEET Misc.	22 More than one rate (MTOR)
25 Applied related rates(ARR) **Online homework due LD, DOIF**	26 WORKSHEET Related Rates **WH 2 due**	27 Maximums and minimums (MAM) **Online homework due MTOR, ARR**	28 **QUIZ 5** Implicit differentiation Derivatives of inverse functions More than one rate Applied related rates WORKSHEET MAM	**March 1** Concepts of graphing functions(COGF) **Survey 1 due (online)**

4 **REVIEW** *Online homework due* *MAM*	5 **Review** **MIDTERM 2** **(7:30-8:25pm)** An application of limits - - Maximums and minimums	6 Computations for graphing functions(CFGF)	7 WORKSHEET COGF, CFGF	8 Mean Value Theorem(MVT)
11 **Spring Break**	12 **Spring Break**	13 **Spring Break**	14 **Spring Break**	15 **Spring Break**
18 Linear approximation(LA) *Online homework due* *COGF, CFGF*	19 WORKSHEET MVT, LA	20 Optimization(O) *Online homework due* *MVT, LA*	21 **QUIZ 6** Concepts of graphing functions Computations for graphing functions Mean Value Theorem Linear approximation WORKSHEET Optimization	22 **Last day to drop** **without petitioning** Applied optimization(AO)
25 L'Hospital's Rule(LHR)	26 WORKSHEET Optimization, LHR	27 Antiderivatives(A) *Online homework due* *O, LHR*	28 **QUIZ 7** Optimization Applied optimization L'Hospital's Rule WORKSHEET A	29 Approximating the area under a curve(ATAUAC)
April 1 Definite Integrals(DI) *Online homework due* *A*	2 WORKSHEET ATAUAC, DI WH 3 due	3 Definite Integrals(DI) *Online homework due* *ATAUAC*	4 **QUIZ 8** Antiderivatives Approximating the area under a curve Definite integrals WORKSHEET DI	5 Antiderivatives and area(AAA)
8 **REVIEW** *Online homework due* *DI*	9 **Review** **MIDTERM 3** **(7:30-8:25pm)** Concepts of graphing functions - - Definite integrals	10 First Fundamental Theorem of Calculus(FFTOC) Second Fundamental Theorem of Calculus(SFTOC)	11 WORKSHEET AAA, FFTOC, SFTOC	12 Applications of integrals(AOI)
15 The idea of substitution (TIOS) *Online homework due* *AAA, FFTOC, SFTOC*	16 WORKSHEET AOI, Substitution	17 Working with substitution *Online homework due* *AOI*	18 **QUIZ 9** Antiderivatives and area First and Second Fundamental Theorem of Calculus Applications of integrals WORKSHEET Substitution	19 Working with substitution **CKA 2 and Survey 2** **due (online)**
22 **Last Day of Classes** **REVIEW** *Online homework due* *Substitution* WH 4 due	23 **Reading Day**	24 *Online textbook* *assignment due*	25 **Final Exam** **(6:00-7:45pm)** **(cumulative)**	26