Roview

Differentiation Ch6 \$6.1 Derivative (Chain rule, Inverse function) \$6.2 Mean value Thin (Rolle's Thin, 1st derivative test for Extrema) 6.3 L'Hospital's Rules \$6.4 Taylor's Thm (derivative form of remainder, relative extrana, convex fametia, Newton's method) Ch7 Riemann Integral \$7.1 Riemann integral (partition, tagged partition, Riemann sum, Riemann integrable, boundedness than) (Midteum up to hore) SI.2 Riemann integrable functions (Canday Criterion, Squeeze Thm, "classes" of Riemann Utgmalble functions, additionity than) \$7.3 The Fundamental Thin (1st fam Jaf=F(6)-Fas z^{nd} fam $\frac{d}{dx} \int_{a}^{x} f = f(x)$; substitution Thue, Le besque's Integralility (ritarian (pf anited), Integration by Parts Taylor's Thuy with notgoal fair remainder)

§9.3 Tests fa Nonabsoluto Convegence (alternations series, Abel's Test, Dirichlet Test)

39.4 Series of Functions (pointwise & Uniform antegences, Cauchy Criterian for Uniform convergence, M-Test, Power Series = radices of convergence, uniform antegence when restrict closed a field subjustment, containanty, differentiation & antegroation term-by-term) (End)

Final exam: Apr 29 (Tuesday) 6=30-8=30 pm, UC Gym (6 questions as in Mid-term) (Approved Calculator allowed) covers all material including those in lectures, tutorials, tromewak, & textbook (including all exercises in Textbook no matter it's assigned in homework or not) with emphasies on those material after nid-tenn (ie. §7.2-§9.4). But those noterial before mid-tenu (ie. §6.1-§7.1) may also be tested directly/explicitly or indirectly/mplicitly.