

JANUARY 2020

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6 Meet Iris First day of class	7	8	9 Differential Assignment Start	10 Fees are due Meet Stephagae	11
12 Full Refund (100%)	13	14	15 Differential Assignment 1 DUE	16	17	18
19 10% of course fee withheld.	20	21 Complex Analysis Assignment 1	22	23 Differential Assignment 2 2 Questions are hard	24 ECON QUIZ 1 (OOOF)	25
26	27	28	29 Differential Assignment 2 Due	30	31	

Holidays and Observances: 1: New Year's Day, 20: Martin Luther King Jr. Day

www.wiki-calendar.com

Differential Equations Assistant Professor Tom Moyer.

He does past notes :

$$\int \tan(\theta) \left(\frac{\pi}{4} + C \right) d\theta = \tan\left(2\pi + C\right)$$

$$\tan^{-1}(1) = 2\pi + C$$

$$\frac{\pi}{4} = 2\pi + C$$

$$C = -\frac{7}{4}\pi$$

$$\frac{dx}{dt} = g(x^2 + 1) \quad y = x + \left(\frac{C}{x} \right)$$

$$\int \frac{dx}{x^2 + 1} = \int g dt \quad y(1) = 3$$

$$\tan^{-1}(x) = gt$$

$$x = \tan(gt + C) \quad 3 = 2 + \frac{C}{gt}$$

$$C = 1$$