

Lecture	Link 2017	Link 2019	Link 2021	PowerPoints 2021
Goals and objectives, syllabus review			https://drive.google.com/file/d/1aEjCAYNTSWuvo6iNeJQPg5lOOKE2bncl/view?usp=sharing (2021_01_12)	
Sukop review/Beginning of Calculus review			https://drive.google.com/file/d/1YyTsvae4bXF2HWldAWlXkN4jguFaYDwX/view?usp=sharing (2021_01_19)	Sukop: https://drive.google.com/file/d/1KoY7kxdlo9fWSvqK_9HqDD2M5BECSk_X/view?usp=sharing Calculus Review: https://drive.google.com/file/d/10LvX2VSrF0PnKrHG-y0HQoF-JAmR-EYq/view?usp=sharing
Functions of 2 Space Variables, Partial Derivatives, Introduction to Python		https://drive.google.com/file/d/1w84sYEA0C50lHOKp39nL5OY4P0FRPMZZ/view?usp=sharing (2019_01_17)	https://drive.google.com/file/d/1H7snRtc3pK2joClUpnrzjPIFPF2VEFnD/view?usp=sharing (2021_01_21) https://drive.google.com/file/d/1Q8roeQmzRyXbKnllgmFeteFD5fCKCeOH/view?usp=sharing (2021_01_26)	

Python 2 +		https://drive.google.com/file/d/1afYehRTKkUSNiouG6M7VJF_NH_QvFVm96/view?usp=sharing	https://fiu.zoom.us/rec/share/DF1GGj1fpBaQuwETd16_QnEAFdE_wVut2FmxXWUzyFNi40_wOxZL9XEH0ZqxSjKq.ge65FNVME2dojegy (2021_01_28)	
Python 3 +		https://drive.google.com/file/d/1afYehRTKkUSNiouG6M7VJF_NH_QvFVm96/view?usp=sharing		
Python Notebook		https://drive.google.com/file/d/1afYehRTKkUSNiouG6M7VJF_NH_QvFVm96/view?usp=sharing	https://drive.google.com/file/d/1rwbszLYnX0JjSQnyJJqrQjY2spMNd7U4/view?usp=sharing	
Water Cycle and Balances			https://drive.google.com/file/d/18XyAVIFsnnBzL7---UgHE_FhawYiHBCW/view?usp=sharing (2021_02_02)	Water: https://drive.google.com/file/d/1Na_B0sXoXVss4jf_cmVlqKyl6z2uu0gL/view?usp=sharing
Miami-Dade deep injection well construction and water/wastewater overview with Manuel Arias and Dr Virginia Walsh			https://drive.google.com/file/d/1pAf4IAUN4vyfTgenCUWM98QIzPGyEN-l/view?usp=sharing (2021_02_04)	
Porous Media		https://drive.google.com/file/d/1T3xFHnldBK-c-FQ8UYYVrl21nRtvJpHW/view?usp=sharing	https://drive.google.com/file/d/1WO671sg5bmQVzj3mX_CohMo uAKN9d5f5/view?usp=sharing (2021_02_09)	https://drive.google.com/file/d/1YpOI3jFMNpum6avlv3PvX-5eDK1QvgdB/view?usp=sharing

Heads, Darcy's Law Gradients		https://drive.google.com/file/d/1T3xFHnldBK-c-FQ8UYYVrl21nRtvJpHW/view?usp=sharing	https://drive.google.com/file/d/1Fcic02hBxX6jtdaewR1j8rs3Wg14xT7t/view?usp=sharing (2021_02_11)	
More on gradients, 3 point problem, contouring heads, soil moisture regimes, units and ranges of hydraulic conductivity and permeability			https://drive.google.com/file/d/1FhMJDg8aSTd4HHCEY3b9WYP0uxGrcNM2/view?usp=sharing (2021_02_16)	https://drive.google.com/file/d/15-gaMwWFs7UPJtQSuPkLpolhKzyYH4aD/view?usp=sharing
Effective horizontal and vertical hydraulic conductivities of stacked aquifers/aquitards			https://drive.google.com/file/d/1XblqUZ87GGwCfRGLV5Mu6mx0uSafvrls/view?usp=sharing (2021_02_18)	
Contouring heads			https://drive.google.com/file/d/1Tfk_J1zBZ1XTmEPkPMRjjDvoGCA5460F/view?usp=sharing (2021_02_23)	Well capture zone practice: http://faculty.fiu.edu/~sukopm/GLY4822/CaptureZones.pdf
Poisson Equation		https://drive.google.com/file/d/1Rfifh3q2uc3NwhloTtOvDC8nwa5ti-g-Z/view?usp=sharing	https://drive.google.com/file/d/1ORuPNvjFNZ1Rl-MMENFiMlr-BuXdmUo9/view?usp=sharing (2021_02_25)	
			https://drive.google.com/file/d/1N0B66MVHCD-4MkBb4hkucAKMnZ-zSK_U/view?usp=sharing	

			(2021_03_02) https://drive.google.com/file/d/1ggm7ZpK4UFi07sq01IAFY8zHevDjh7dh/view?usp=sharing (2021_03_02) 4-minute Supplemental finish-up https://drive.google.com/file/d/1kkP1s6g8zhQmK0KMwx3NCm94_MsbiPn5/view?usp=sharing (2021_03_04)	
Numerical Solution of Poisson Equation		https://drive.google.com/file/d/1G9gHzz15F9dnzsQ4s3wBMuPUITCz4nSm/view?usp=sharing	https://drive.google.com/file/d/1UJ2QwRrqPn8v4MtAJ49kjhOMot0uqdfT/view?usp=sharing	(2021_03_09)
Poisson in 2 Dimensions		https://drive.google.com/file/d/1KzCywWTzDrPu-toN9ZKezB1B8hLsO5mv/view?usp=sharing	https://drive.google.com/file/d/1GZe65en8vmoS1EDkgVaoTnS_FfJVMLCQ/view?usp=sharing	(2021_03_11)
Poisson in 2 Dimensions 2		https://drive.google.com/file/d/1fQEIUn7juvVwJWSZLIHY_ZowSaQg_WIQ/view?usp=sharing		
ModelMuse		https://drive.google.com/file/d/1NeMSjCPuPrifOszus8B_xDud-gSd9HB/view?usp=sharing	https://drive.google.com/file/d/1BrQJArEBnBeUY9EccsBpWubVrRgzrZ0/view?usp=sharing	

		=sharing (2019_02_21)	p=sharing (2021_03_16) https://drive.google.com/file/d/1bzroLfIQu04PUJSYFHLid_I3c-2YV_xx/view?usp=sharing (2021_03_18)	
Midterm Review			Part 1: https://drive.google.com/file/d/1wT7LqfcvVT8CG8hrqEMlnTd98VMfGmuj/view?usp=sharing Part 2: https://drive.google.com/file/d/1c9vTYXloMY8Vq9GqX7wvYbrWaoUjOngy/view?usp=sharing	https://drive.google.com/file/d/1dBKYkdyk90-SI-fti5FGATWhCXM03diu/view?usp=sharing
Transient Flow			https://drive.google.com/file/d/19SH7OquvxXRqz1HHPmUpDJKhJKKSDgyY/view?usp=sharing (2021_03_30) https://drive.google.com/file/d/1-E5BPTrvZNyswFFMBE0ZwZlyUeZmZNuH/view?usp=sharing (2021_04_01; includes introduction to diffusion)	
Diffusion		https://drive.google.com/file/d/1QAZrRmiLcKTWC4pDpg6ncCRy9		

		5hq0Xb2/view?usp=sharing (2019_03_21)		
Review for Assignment/ Quiz 6			https://drive.google.com/file/d/1TbZfYcfbMul1-R42rvLUdFCez0Tlnik4/view?usp=sharing	
Solute Transport Measurement		https://drive.google.com/file/d/1ZuE_O9u3ztISRfTJGaYZvF2gxdkJqMP8/view?usp=sharing (2019_03_26)		
Fitting the Advection-Dispersion Equation to Data	https://drive.google.com/file/d/0B4cL0GnLSiwBU-EVRUTIsVmJYRVU/view?usp=sharing (2017_04_05)			