

MULTI-MEDIA MATERIALS FOR MATH 155

The Dolciani Math Center (7th Floor Hunter East) has multi-media materials for the following topics in MATH 155. Bring your ID card to the Learning Center and ask for the lesson by the call number below. If there is more than one number listed, there are several alternatives for the lesson. You may pick and choose which works best for you. Text DVDs are DVDs related to the Stewart Calculus Textbook. Generic DVDs are DVDs produced commercially related to calculus. In House Tutorial CDs contain PowerPoint presentations with audio narrated and written by Professor Dolciani.

TOPIC	TEXT DVDs	GENERIC	IN HOUSE TUTORIAL	COMPUTER TUTORIALS ON PLATO:
		DVDs		
Inverse Functions	U-1	F1-3, T9		Inverse Functions
Exponential Functions	U-1	F1-3, T9		Inverse Functions
Logarithmic Functions	U-1	F1-3, T9		Inverse Functions
Derivatives of Logarithmic Functions	U-1	F1-3, T9		Inverse Functions
Exponential Growth and Decay	U-1	T10		Inverse Functions
Inverse Trigonometric Functions	U-1	F1-4, T11		Inverse Functions
Indeterminate Forms, L'Hopital's Rule	U-1	F2-2	C7.0	Inverse Functions
Integration by Parts	U-2	F1-4	C5.3	Techniques of Integration
Trigonometric Integrals	U-2	F1-4		Techniques of Integration
Trigonometric Substitution	U-2	F1-4		Techniques of Integration
Integration by Partial Fractions	U-2	F1-4		Techniques of Integration
Strategy for Integration	U-2			Techniques of Integration
Approximate Integration	U-2	F2-2		Techniques of Integration
Improper Integrals	U-2	F2-2	C5.6	Techniques of Integration
Arc Length	U-2	F2-1	C6.3 a, b	Further Applications of Integration
Area of a Surface of Revolution	U-2	F2-1		Further Applications of Integration
Polar Coordinates	U-2	F2-1, F2-2	C8.1	Vectors, Complex Numbers and Polar Coordinates
Areas and Lengths in Polar Coordinates	U-2	F2-1, F2-2	C8.3	Vectors, Complex Numbers and Polar Coordinates
Sequences	U-3	F2-2	C7.1 a, b, c	Patterns and Sequences
Series	U-3	F2-3	C7.1 a, b, c	Patterns and Sequences
The Integral Test; Estimate of Sums	U-3	F2-3	C7.2 a, b, c	
The Comparison Test	U-3	F2-3	C7.2 a, b, c	
Alternating Series	U-3	F2-3	C7.2 a, b, c	
Absolute Convergence; Ratio and Root Tests	U-3	F2-3	C7.2 a, b, c, C7.25 a, b, c	
Strategy for Testing Series	U-3	F2-3		
Power Series	U-3	F2-3	C7.4 a, b, c	
Functions as Power Series	U-3		C7.4 a, b, c	
Taylor and Maclaurin Series	U-3	F2-3	C7.4 a	
The Binomial Series	U-3			
Applications of Taylor Polynomials	U-3	F2-3		