MULTIMEDIA MATERIALS FOR MATH 150

The Dolciani Math Center (7th Floor Hunter East) has multi-media materials for the following topics in MATH 150. 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 DVDs	IN HOUSE TUTORIALCDs	PLATO Available Under:
The Tangent and Velocity Problems	U-1	T3		Limits
The Limit of a Function	U-1	F1-1, T2		Limits
Calculating Limits Using the Limit Laws	U-1	F1-1, T2		Limits
The Precise Definition of a Limit	U-1	F1-1, T2		Limits
Continuity	U-1	F1-1, T2	C2.5a	Limits
Derivatives and Rates of Change	U-1	F1-1,T3	C2.2	Limits
The Derivative as a Function	U-1	F1-1,T3	C2.3	Derivatives
Differentiation Formulas	U-1	F1-1, T3	C2.3	Derivatives
Derivatives of Trigonometric Functions	U-1	F1-3, F1-4	C2.35a, C2.35b, C2.35c	Derivatives
The Chain Rule	U-1	F1-1,T4	C3.1	Derivatives
Implicit Differentiation	U-1	F1-2, T4	C3.2	Derivatives
Rates of Change in the Natural/Social Sciences	U-1	F1-2, T3		Applications of Derivatives
Related Rates	U-1	F1-2, T4	C3.3, C4.5	Applications of Derivatives
Linear Approximation and Differentials	U-1	F1-2		Applications of Derivatives
Maximum and Minimum Values	U-1	F1-2, T4	C4.1a, C4.2a	Applications of Derivatives
The Mean Value Theorem	U-1	F1-2, T5	C4.1b	Applications of Derivatives
How Derivatives Affect the Shape of a Graph	U-1	F1-2,T5	C4.2b, C4.3	Derivatives
Limits at Infinity; Horizontal Asymptotes	U-1	F1-1,T5	C4.2d	Limits
Summary of Curve Sketching	U-1	F1-2, T5	C4.2d	Applications of Derivatives
Optimization Problems	U-1	F1-2, T6		Applications of Derivatives
Antiderivatives	U-1	F1-3, T7	C5.1a	The Definite Integral
Areas and Distances	U-1	F1-3, T3	C6.1c, C6.1a, C6.1d	The Definite Integral
The Definite Integral	U-1	F1-3,T7	C5.1b	The Definite Integral
The Fundamental Theorem of Calculus	U-1	F1-3,T8	C5.1b, C6.1a	The Definite Integral
Indefinite Integrals and the Total Change Theorem	U-1	F1-3, T7	C6.1a	The Definite Integral
The Substitution Rule	U-1	F1-4, T8	C5.5	The Definite Integral
Volumes	U-1	F1-4, F2-1	C6.2a, C6.2b, C6.2c	Applications of Integration
Volumes by Cylindrical Shells	U-1	F2-1	C6.2d	Applications of Integration
Work	U-1	F2-1	C6.4a, C6.4b	Applications of Integration