

Math 312 (Complex Analysis) – Week 9
Spring Term 2004
BUCKMIRE

Monday March 22 *Class 22:*

Independence of Path. We shall learn about the details of the corresponding equivalent to the Fundamental Theorem of Calculus for complex functions of a complex variable.

Reading:

Saff & Snider, (Section 4.3)

Wednesday March 24 *Class 23:*

Applications of Cauchy-Goursat Theorem We shall how to use what the book calls Cauchy's Integral Theorem to compute a wide variety of contour integrals.

Reading:

Saff & Snider, (Section 4.4)

Friday March 26 *Class 24:*

Cauchy's Integral Formula. We shall derive Cauchy's Integral Formula and look at some of the amazing consequences which result from it.

Reading:

Saff & Snider, (Section 4.5)

Homework:

Quiz #8 **DUE MON MAR 29**
HOMEWORK SET # 8 DUE TODAY