

**Math 312 (Complex Analysis) – Week 3**  
**Spring Term 2004**  
BUCKMIRE

**Monday February 2** *Class 6:*

Functions of a Complex Variable. Introduction to Mapping.

Reading:

Saff & Snider, (Section 2.1)

Homework: (**due Friday February 6**)

Saff & Snider, Section 2.1 # 1, 4, 5, 7, 8, 9, 10 **Extra Credit: # 13**

Quiz #2

**Wednesday February 4** *Class 7:*

Limits, Continuity and the Point at Infinity

Reading:

Saff & Snider, (Section 2.2)

Homework: (**due Friday February 6**)

Saff & Snider, Section 2.2 # 1, 5, 7, 11, 14 **Extra Credit: #25**

**Friday February 6** *Class 8:*

Analyticity and Differentiability of a Complex Function.

Reading:

Saff & Snider, (Section 2.3)

Homework: (**due Friday February 13**)

Saff & Snider, Section 2.3 # 3, 4, 7, 9, 11, 13 **Extra Credit: #15**

**QUIZ #3**