

**Math 312 (Complex Analysis) – Week 1**  
**Spring Term 2004**  
BUCKMIRE

**Wednesday January 21** *Class 1:*

The Algebra of Complex Numbers. Addition, Subtraction, Multiplication, Division.

Reading:

Saff & Snider, (Section 1.1)

Homework: (**due Friday January 23**)

Saff & Snider, Section 1.1 # 1, 4, 5, 7, 11, 16, **Extra Credit: 21**

**Friday January 23** *Class 2:*

Graphical Representation of Complex Numbers. Introduction of the *Argand diagram*, complex conjugate and modulus (absolute value).

Reading:

Saff & Snider, (Section 1.2)

Homework: (**due Friday January 30**)

Saff & Snider, Section 1.2 # 3, 4, 6, 8, 10, 14 **Extra Credit: #19**