

University of Illinois at Urbana-Champaign  
Dept. of Electrical and Computer Engineering

## ECE 220: Computer Systems & Programming

Expressions and Operators in C  
(Partially a Review)

## Expressions are Used to Perform Calculations

An **expression** is a calculation consisting of variables, operators, and function calls.

For example,

$A + 42$

$A / B$

Deposits – Withdrawals

`scanf ("%f", &flt)`

## Our Class Focuses on Four Types of Operator in C

The **C** language supports many operators.

In ECE120, you learned about four types:

- **arithmetic** operators
- **bitwise** Boolean operators
- **relational / comparison** operators
- the **assignment** operator

Let's review those first.

## Five Arithmetic Operators on Numeric Types

Arithmetic operators in **C** include

- addition: **+**
- subtraction: **-**
- multiplication: **\***
- division: **/**
- modulus: **%** (integers only)

The **C** library includes many other functions, such as exponentiation, logarithms, square roots, and so forth.