# Passing functions in C++

**CS 124 / Department of Computer Science**

# Passing functions

**Our use case**: Soon we're going to implement hash tables in C++. For the upcoming project on hash tables, you'll be asked to experiment with different hash functions. You could implement different hash table classes with different hash functions -- but that leads to a lot of code duplication. Instead what we'll do is *pass a hash function to the hash table constructor*, and the hash table object thus instantiated will include the hash function we passed in.

In order to do this, first we need to learn how to pass a function in C++.