

# **Shadows**

**CSCI 4229/5229**  
**Computer Graphics**  
**Fall 2022**

# Shadows in Computer Graphics

- Shadows are important to realism
  - Depth cues
  - Relative positions of objects
- Doesn't “just happen” when lighting is turned on
  - Nor is there a `glEnable(GL_SHADOWS)`
- Shadows require the scene to be rendered multiple times (at least 2, typically 4)
- Recent (~2000) addition to real time graphics
  - Very compute intensive











