

# Computer Graphics

## CS 543 – Exam 3 Review

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# Exam Overview

- Wednesday, December 11, 2019, in-class
- Exam 3 covers lecture 9-12 today's class (lecture 12)
- Can bring:
  - 1 page cheat-sheet, hand-written (not typed)
  - Calculator
- Will test:
  - Theoretical concepts
  - Mathematics
  - Algorithms
  - Programming
  - OpenGL/GLSL knowledge (program structure and commands)



# Topics

- Shadows and fog
- Shadow maps, Shadow volumes,
- Normal Maps, Parametrization, Tone Mapping
- Bump Mapping, Parallax, Relief, alpha and specular mapping
- Viewport Transformation
- Hidden Surface Removal
- Image manipulation
- 3D Noise
- Clipping (2D and 3D clipping)
- Rasterization (line drawing, polygon filling, antialiasing)