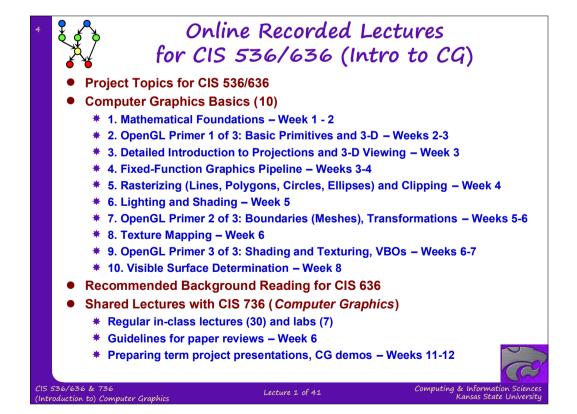
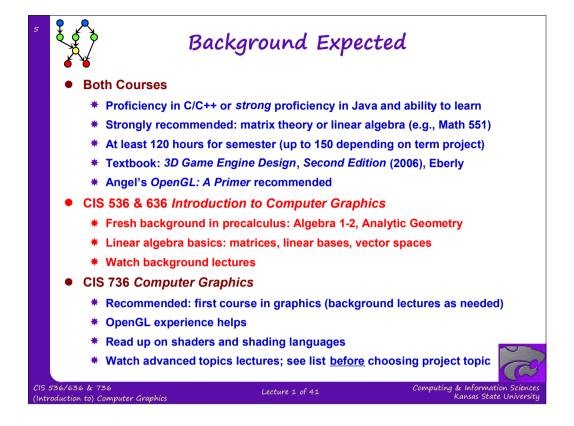
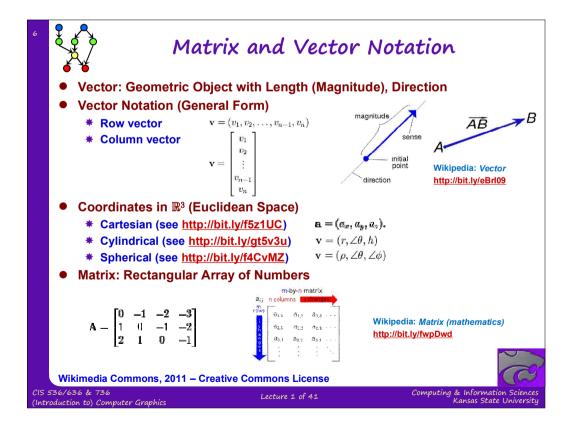
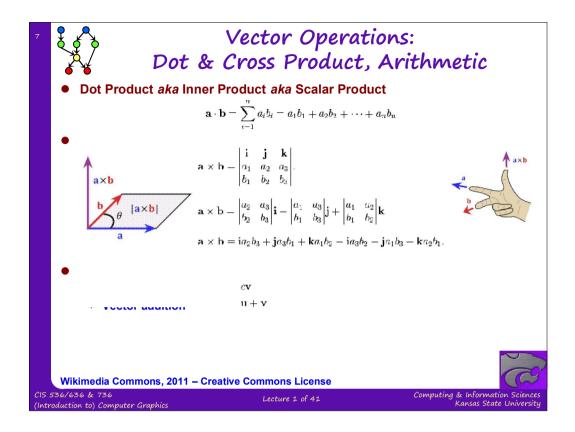


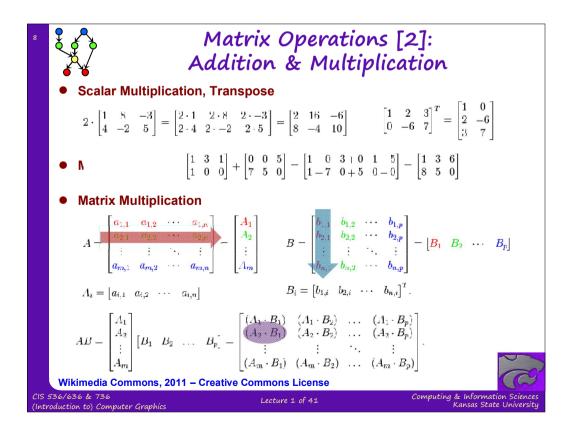
	Торіс	Primary Source(s)
0	Course Overview	Chapter 1, Eberly 2 <sup>e</sup>
1	CG Basics: Transformation Matrices; Lab 0	Sections (§) 2.1, 2.2
2	Viewing 1: Overview, Projections	§ 2.2.3 – 2.2.4, 2.8
3	Viewing 2: Viewing Transformation	§ 2.3 esp. 2.3.4; FVFH slides
4	Lab 1a: Flash & OpenGL Basics	Ch. 2, 16 <sup>1</sup> , Angel Primer
5	Viewing 3: Graphics Pipeline	§ 2.3 esp. 2.3.7; 2.6, 2.7
6	Scan Conversion 1: Lines, Midpoint Algorithm	§ 2.5.1, 3.1; FVFH slides
7	Viewing 4: Clipping & Culling; Lab 1b	§ 2.3.5, 2.4, 3.1.3
8	Scan Conversion 2: Polygons, Clipping Intro	§ 2.4, 2.5 esp. 2.5.4, 3.1.6
9	Surface Detail 1: Illumination & Shading	§ 2.5, 2.6.1 – 2.6.2, 4.3.2, 20.
10	Lab 2a: Direct3D / DirectX Intro	§ 2.7, Direct3D handout
11	Surface Detail 2: Textures; OpenGL Shading	§ 2.6.3, 20.3 – 20.4, Primer
12	Surface Detail 3: Mappings; OpenGL Textures	§ 20.5 – 20.13
13	Surface Detail 4: Pixel/Vertex Shad.; Lab 2b	§ 3.1
14	Surface Detail 5: Direct3D Shading; OGLSL	§ 3.2 – 3.4, Direct3D handout
15	Demos 1: CGA, Fun; Scene Graphs: State	§ 4.1 – 4.3, CGA handout
16	Lab 3a: Shading & Transparency	§ 2.6, 20.1, Primer
17	Animation 1: Basics, Keyframes; HW/Exam	§ 5.1 – 5.2
	Exam 1 review; Hour Exam 1 (evening)	Chapters 1 – 4, 20
18	Scene Graphs: Rendering; Lab 3b: Shader	§ 4.4 – 4.7
19	Demos 2: SFX; Skinning, Morphing	§ 5.3 – 5.5, CGA handout
20	Demos 3: Surfaces; B-reps/Volume Graphics	§ 10.4, 12.7, Mesh handout

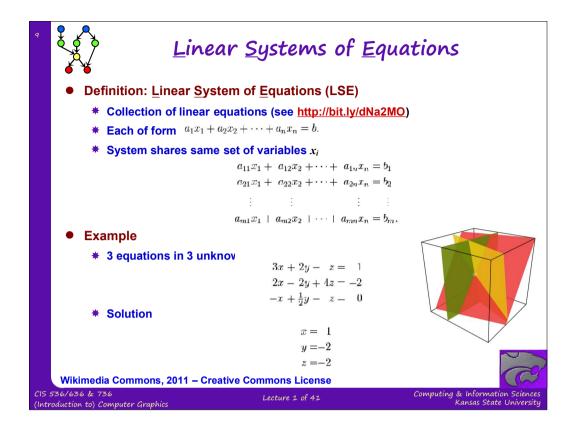


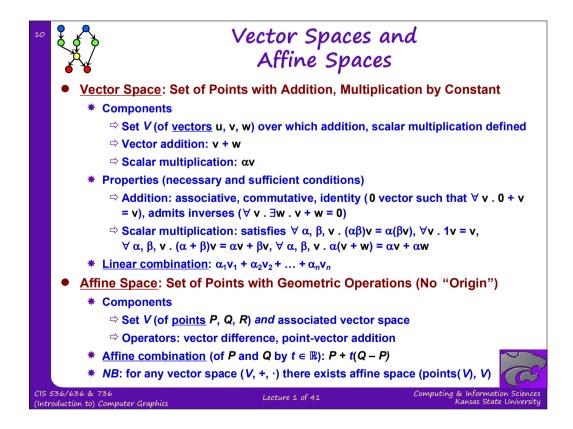


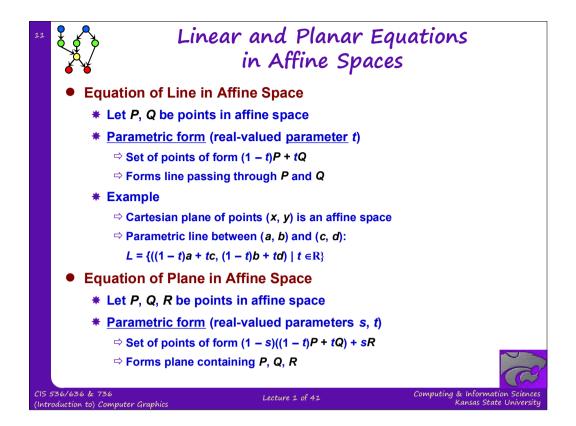


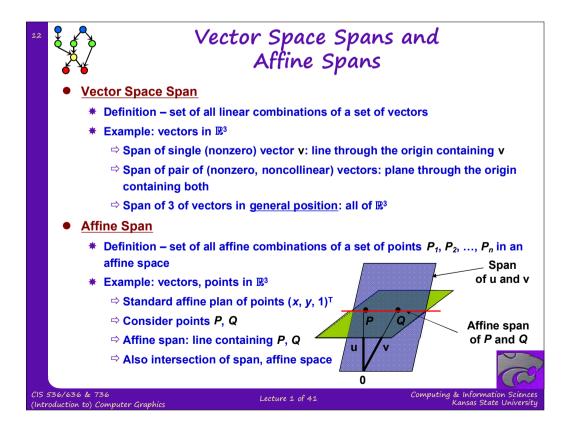


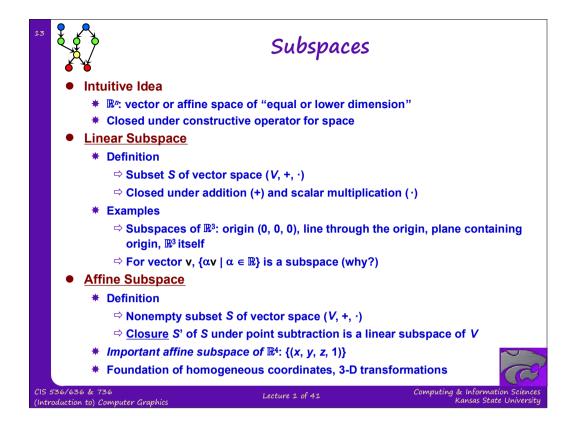


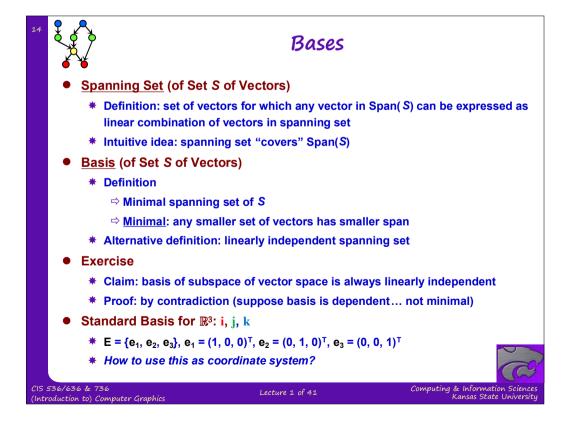


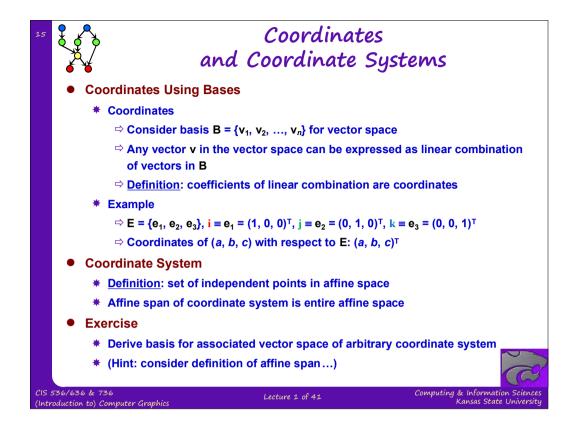


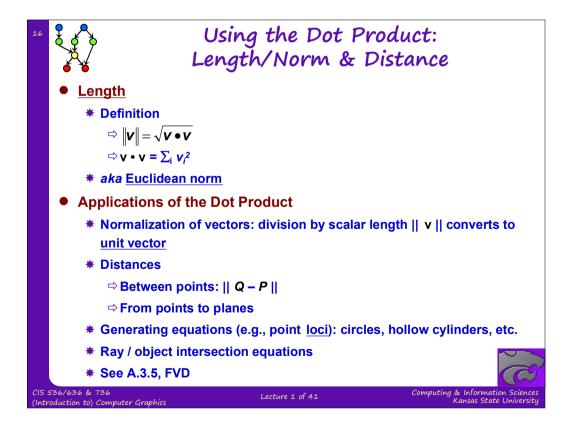


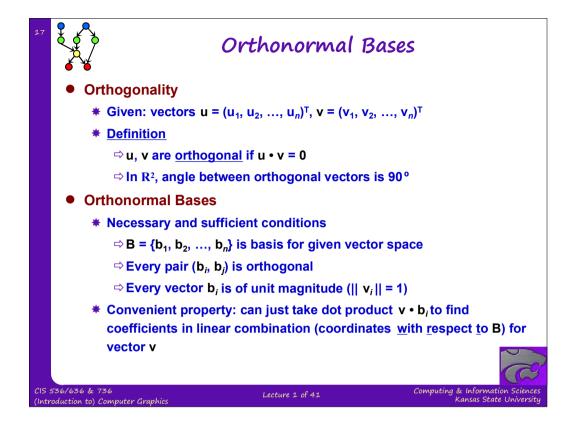


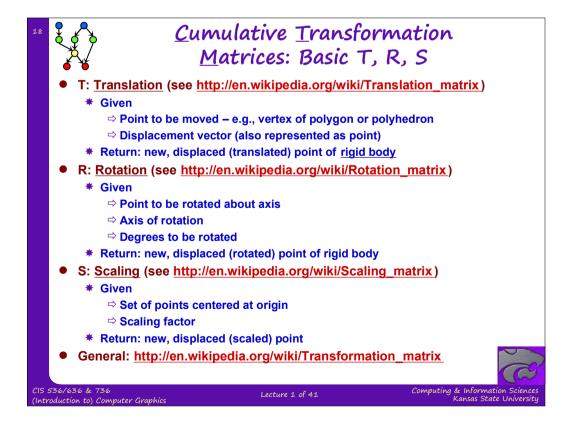


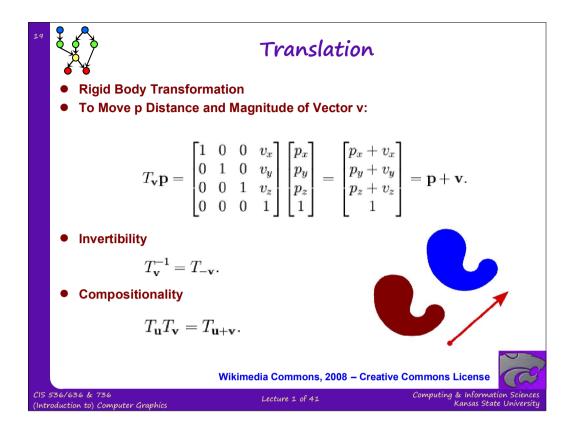


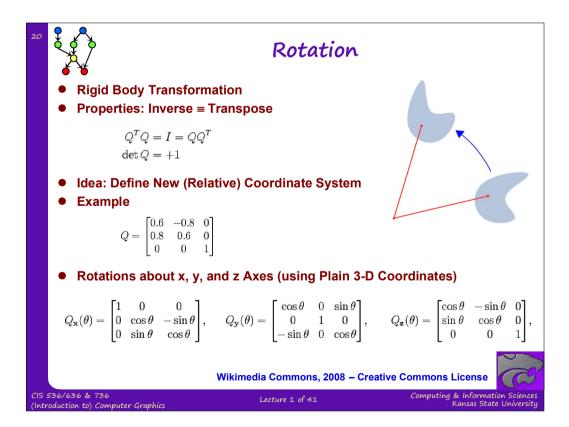


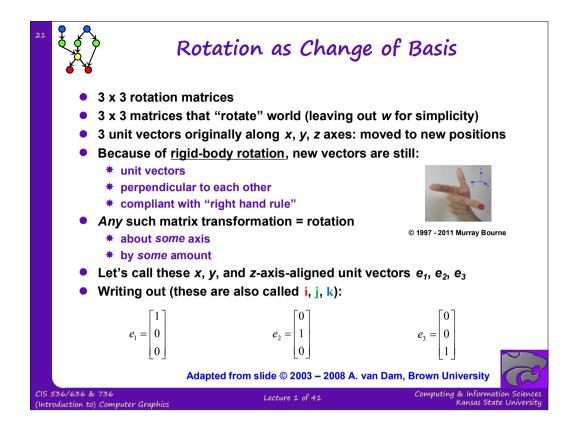


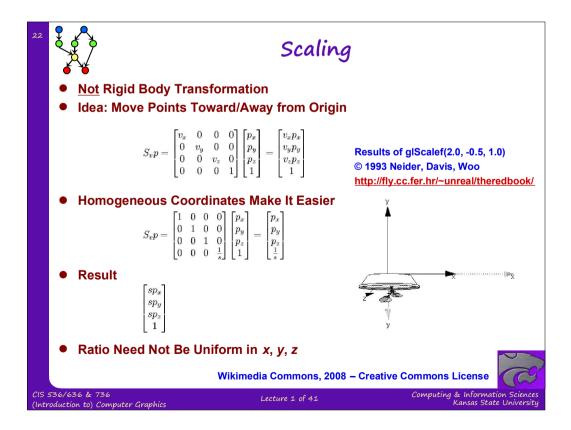


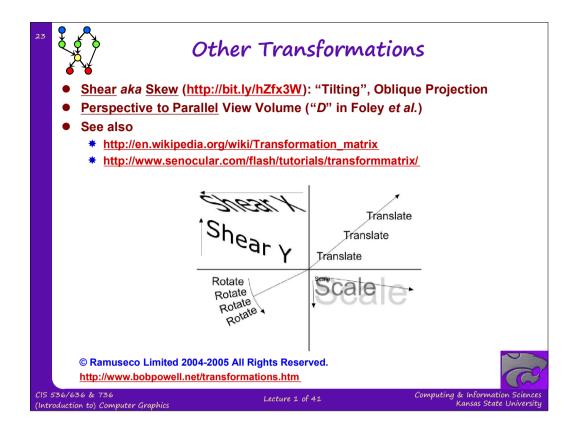


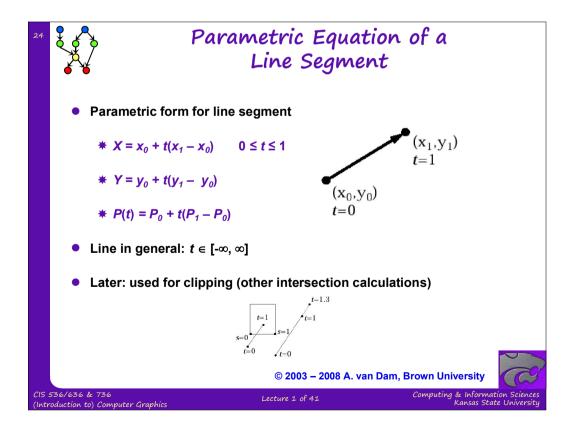


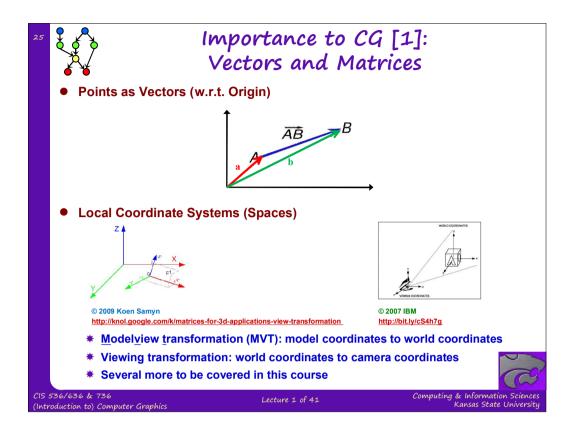


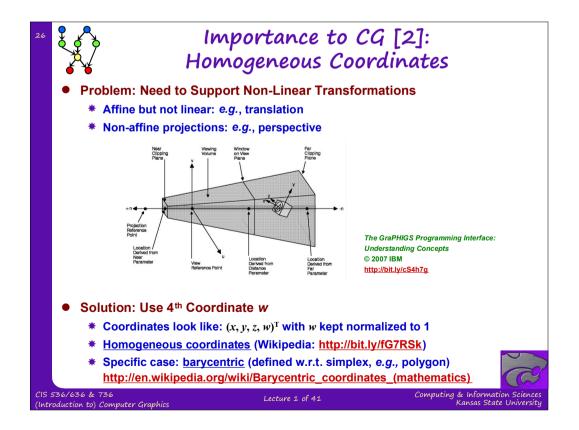


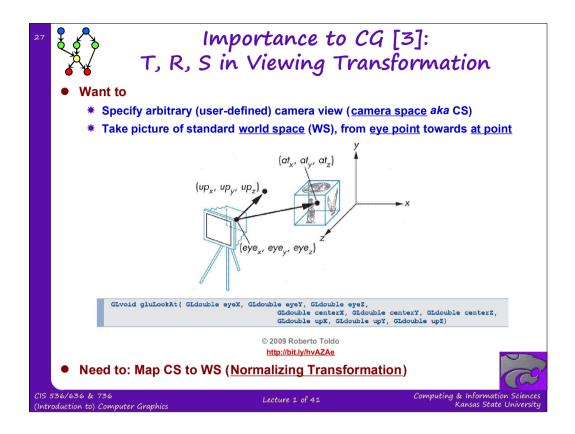


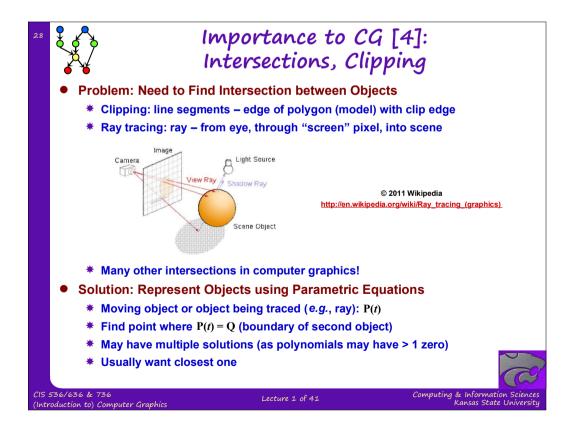


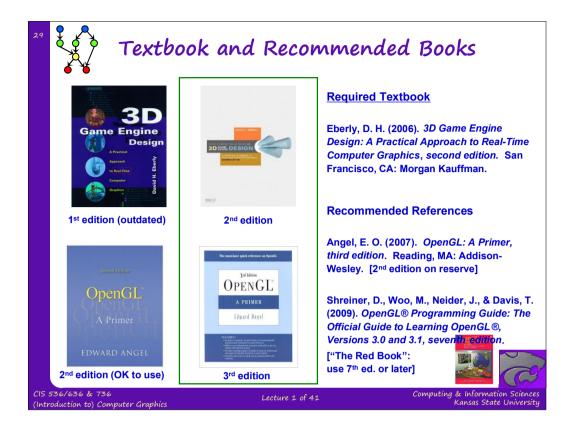












30		Lab O		
	• Wa	rm-Up Lab		
	*	Account set-up		
	*	Linux environment		
	*	Simple OpenGL exercise		
	• Bas	Basic Account Set-Up		
	*	See http://support.cis.ksu.edu to understand KSU Department of CIS setup		
	*	Make sure your CIS department account is set up		
	*	If not, use SelfServ: https://selfserv.cis.ksu.edu/selfserv/requestAccount		
	Linux Environment			
	*	Make sure your CIS department account is set up		
	*	Learn how to navigate, set your shell (see KSOL, http://unixhelp.ed.ac.uk)		
	*	Lab 1 and first homeworks will ask you to render to local XWindows server		
	Simple OpenGL exercise			
	*	Watch OpenGL Primer Part 1 as needed		
	*	Follow intro tutorials on "NeHe" ( <u>http://nehe.gamedev.net</u> ) as instructed		
	*	Turn in: source code, screenshot as instructed in Lab 0 handout		
		Lecture 1 of 41		

