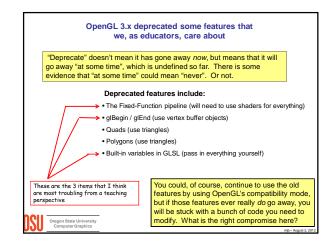
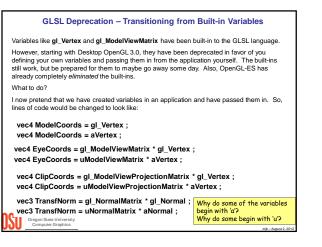
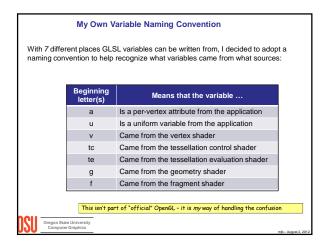
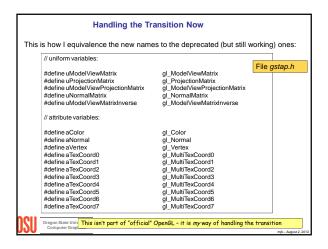


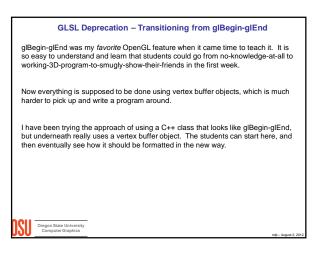
OpenGL / GLSL Release History		
OpenGL Release	GLSL Release	When
1.0		1993
1.1		1997
1.2		1998
1.3		2001
1.4		2002
1.5		2003
2.0	1.10	2004
2.1	1.20	2006
3.0	1.30	July 2008
3.1, 3.2, 3.3	3.30	July 2009
4.0	4.00	March 2010
4.1	4.10	July 2010
4.2	4.20	August 2011
4.3	4.30	August 2012



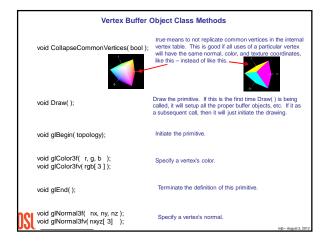




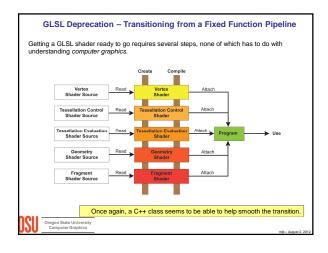


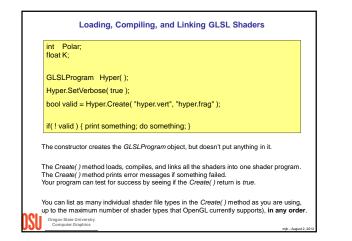


Using the Vertex Buffer Object Class Setting Up:	
VertexBufferObject Blob(); Blob.CollapseCommonVertices(true);	
Filling:	
Blob.glBegin(GL_TRIANGLES); // can be any of the OpenGL topolo Blob.glColor3f(r0, g0, b0); Blob.glVertex3v(x0, y0, z0);	gies
Blob.glEnd();	
Drawing: Blob.Draw();	



Vertex Buffer Object Class Methods	
Specify a vertex's texture coordinates.	
Specify a vertex's coordinates.	
Prints the vertex, normal, color, texture coordinate, and connection element information to a file. If the file pointer is not given, standard error (i.e., the console) is used.	
Causes the primitive to be restarted. This is useful when doing triangle or quad strips and you want to start another one without getting out of the current one. By doing it this way, all of the strips' vertices will end up in the same table, and you only need to have one VertexBufferObject class going.	
false means to use vertex arrays instead of vertex buffer objects. The big advantage of buffer objects is that the data all lives on the graphics cards to that it only ever needs to be transferred once. Vertex Array data is kept in host memory and so needs to be transferred each time it is drawn. The default is to use VBOs if they are supported on your graphics system, and vertex arrays if they are not.	





d extensions are:	zes shader types by their filename extension
Type of Shader	Filename Extension
Vertex	.vert
Vertex	.VS
Tessellation Control	.tcs
Tessellation Evaluation	.tes
Geometry	.geom
Geometry	.gs
Fragment	.frag
Fragment	.fs

