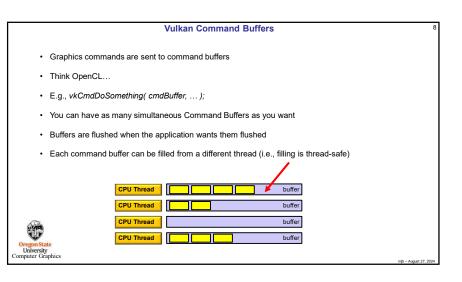
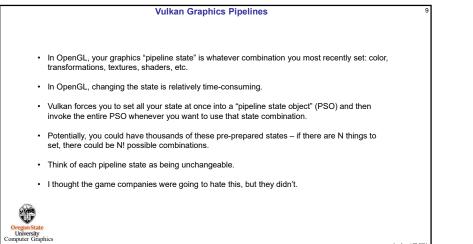
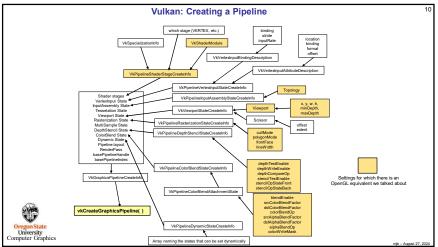
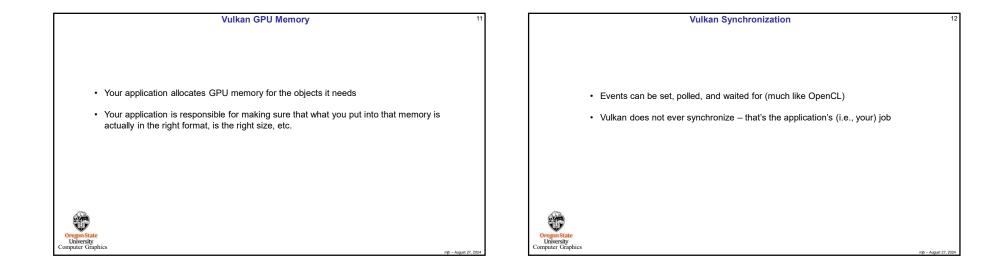


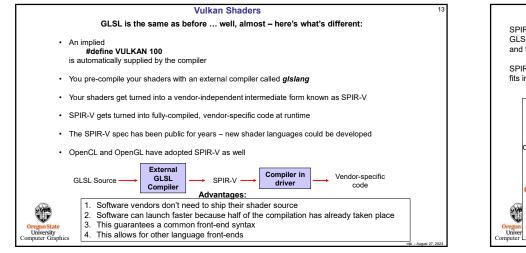
	Vulkan Code has a Distinct "Style" of Setting Information in structs
	and then Passing that Information as a pointer-to-the-struct
	VkBufferCreateInfo vbci; vbci.sType = VK_STRUCTURE_TYPE_BUFFER_CREATE_INFO; vbci.pNext = nuliptr; vbci.size = << buffer size in bytes >> vbci.sage = VK_USAGE_UNIFORM_BUFFER_BIT; vbci.sharingMode = VK_SHARING_MODE_EXCLUSIVE; vbci.queueFamilyIndexcount = 0; vbci.pQueueFamilyIndices = nuliptr;
	VK_RESULT result = vkCreateBuffer (LogicalDevice, IN &vbcl, PALLOCATOR, OUT &Buffer); VkMemoryRequirements
	result = vkGetBufferMemoryRequirements(LogicalDevice, Buffer, OUT &vmr); // fills vmr VkMemoryAllocateInfo vmaisType = VK_STRUCTURE_VPE_MEMORY_ALLOCATE_INFO; vmaisNext = nullpt; vmai.flags = 0; vmai.flags = 0; vmai.memoryTypeIndex = 0;
œ	result = vkAllocateMemory(LogicalDevice, IN &vmai, PALLOCATOR OUT &MatrixBufferMemoryHandle);
Oregon State University Computer Graphics	result = vkBindBufferMemory(LogicalDevice, Buffer, IN MatrixBufferMemoryHandle, 0);













SPIR-V stands for **Standard Portable Intermediate Representation – Vulkan.** It's the file format that Vulkan GLSL shaders get compiled into. The name of that front-end compiler is **glslang**. At runtime, that file is read and the driver compiles it the rest of the way into the machine instruction set for that particular graphics card.

SPIR-V started out as something for Vulkan but is now also used with OpenGL and OpenCL. Here is how it fits into the overall Khronos Ecosystem:

