

## ASSIGNMENT

Read 16.4 up to p 981

- p. 986 1, 7, 30, 34, 37

## TAKE-AWAYS

After reading this section, attending this class and doing this homework you should

- know the standard parameterizations: if your surface is a graph, if your surface is best expressed in a different coordinate system (e.g., spheres, cones, cylinders, etc), etc
- understand grid curves, tangent vectors to grid curves, normal vectors, etc. These can help you to find tangent planes.
- save for future reference how to visualize normal vectors as these will help us understand and talk about orientations of surfaces.
- know the formula for surface area and where it comes from