

# Assignment # 2 - The Fire Hydrant

## Assignment Description:

### A. Consult and Read:

- Maya Polygonal Modeling (help links)
- See previous students work on the N: drive:
- Maya Hot keys.pdf
- Gather reference for your Fire Hydrant and create sketches to understand the object

### B. Model a Low Poly Fire Hydrant

- Must be between 1400 and 1500 triangles! (use display> HeadsUp Display> Poly Count)
- Find your own reference
- Pay attention to shapes, volume and proportion
- Use primitives and the modeling tools we've covered in class to start.
- Do NOT use booleans.

## Lesson Topics:

**Edit Mesh >Extrude**

**>Bridge**

**Mesh >Combine** (before attempting to merge vertices multi select meshes and combine them)

**Display >HeadsUp Display >Poly Count**

**Edit Mesh >Insert Edge Loop Tool**

**Select an edge loop**

**Select an edge ring**

**Edit Mesh >Merge Vertex Tool**

**Edit Mesh >Merge Edge Tool**

**Edit Mesh >Delete Edge/Vertex (Ctrl-Del)** it removes the orphan vertices

**Edit >Delete by Type >Delete History****Expected Work Time: Around 3-6 hours to complete the fire hydrant model.**

**Evaluation Notes:** Poly count, Superfluous Geometry and Naming Conventions are all Pass/Fail. These must be done correctly to get the points. No partial points given on these.

## Grading rubric

16%	Model is within the target triangle count of 1400-1500 (pass/fail)
17%	Maya scene saved with framed Orthographic views Front/Top/Side/Perspective
25%	Quality 3D low poly prop modeling
25%	Verts are Merged/Welded
17%	No superfluous geometry inside model (pass/fail)

## Naming Scheme

File name must use this naming convention: **S15\_cg125\_Briley\_YourName\_FireHydrant**

## To Be Submitted

One zipped file including:

- Your resulting Maya file (.mb) with mesh and materials only (no textures)
- A rendered image of your scene HD720 (1280x720) resolution (jpeg)
- Submitted to Moodle and N: drive

## Assignment Due

**All assignments are due the day before class at 4PM**

Reference:

## Fire Hydrant references

