

ME 1403 Engineering Practice & Graphics

# Lecture 21

Rendering

Instructor:


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# Important Dates!

- Final Project Presentation:
  - November 28<sup>th</sup> &
  - November 29<sup>th</sup>.
- Project Parts, Assembly, Drawing and Report Submission:
  - December 2<sup>nd</sup>. **(No Extension!)**
- Final Exam
  - December 3<sup>rd</sup> &
  - December 4<sup>th</sup>.



A modern, two-story wooden house built on stilts, illuminated from within at dusk. The house features a dark wood exterior with horizontal siding and a series of large, multi-paned windows that glow with warm interior light. The structure is elevated on thick wooden posts, and a wooden deck with a railing is visible on the left side. The house is surrounded by dense green trees and foliage, with a dark, overcast sky in the background.

Courtesy  
Hossein Alfideh



A modern black leather lounge chair and ottoman by Alexandre Larnac. The chair features a high, sculptural backrest with a horizontal strap across the upper back, and wide, curved armrests. The ottoman is a simple, rectangular cushioned piece. Both are supported by a polished, four-legged star base. They are positioned on a dark wood plank floor against a light-colored wall. Dramatic sunlight from a window on the left casts long, rectangular shadows across the wall and floor, highlighting the textures of the leather and wood.

Courtesy  
Alexandre Larnac



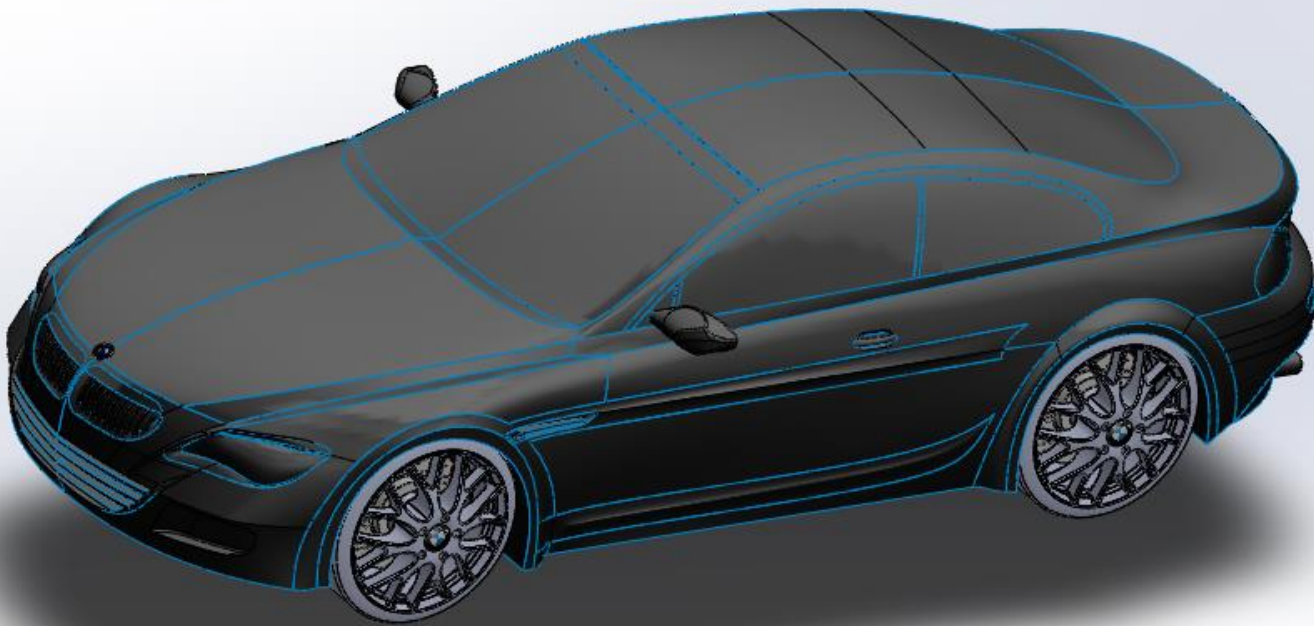
1



2



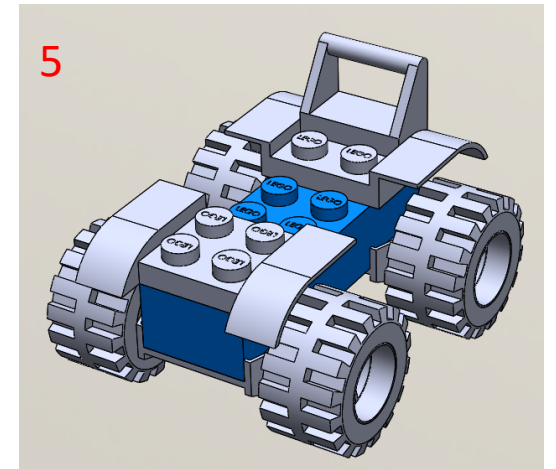
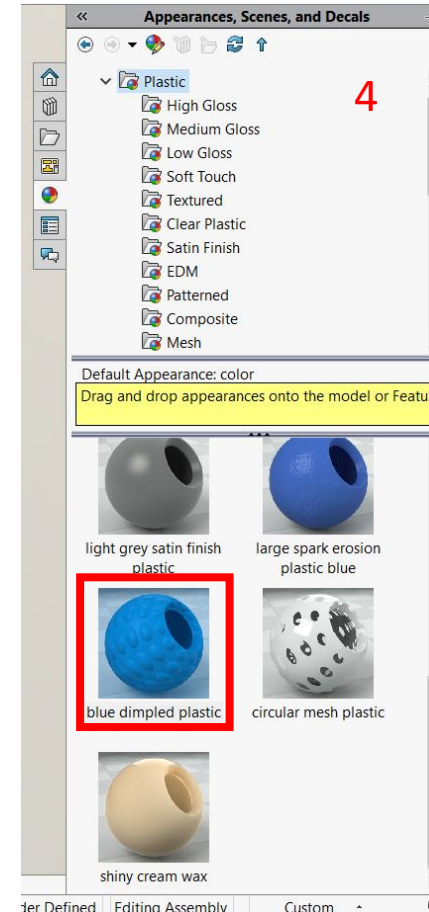
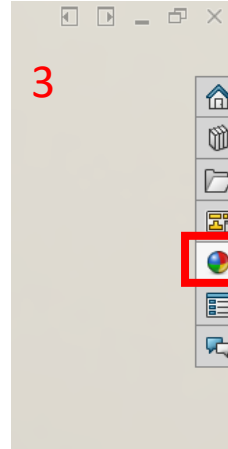
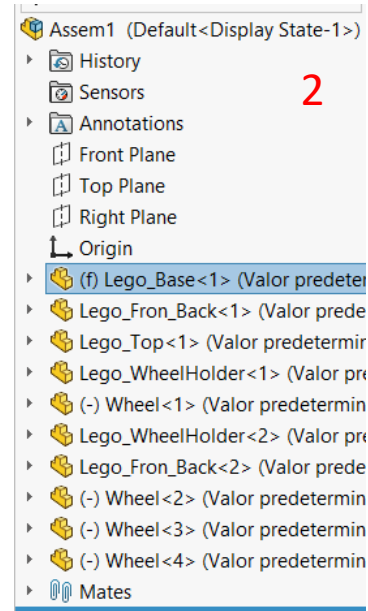
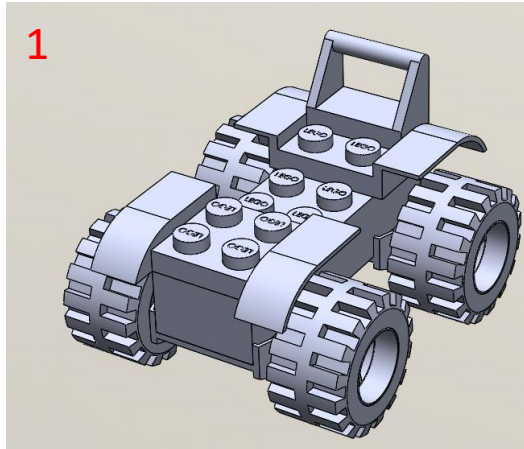
3



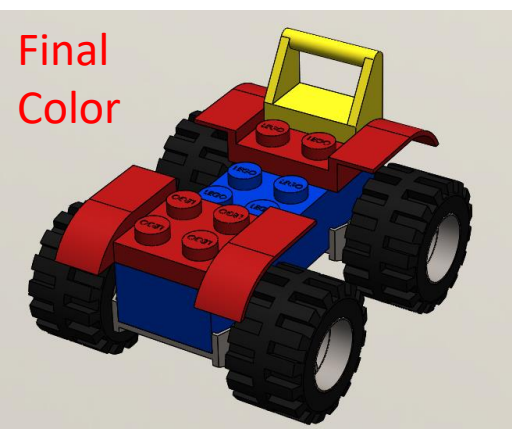
Which one  
will you  
choose?

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# Rendering (Step by Step): Coloring the parts



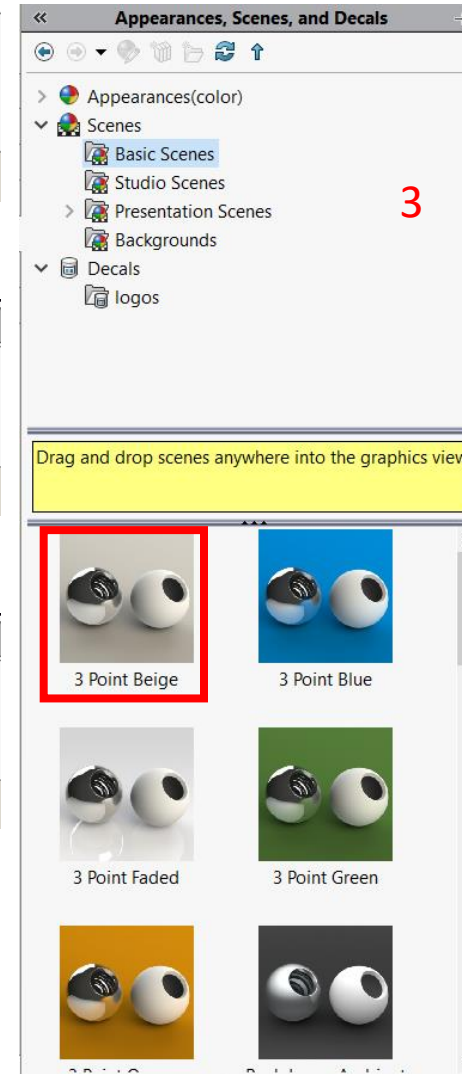
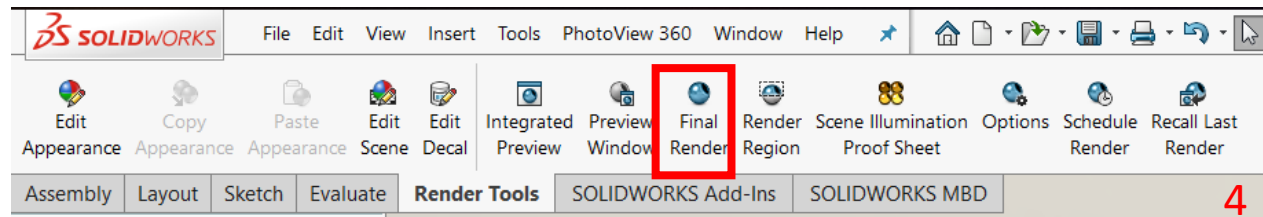
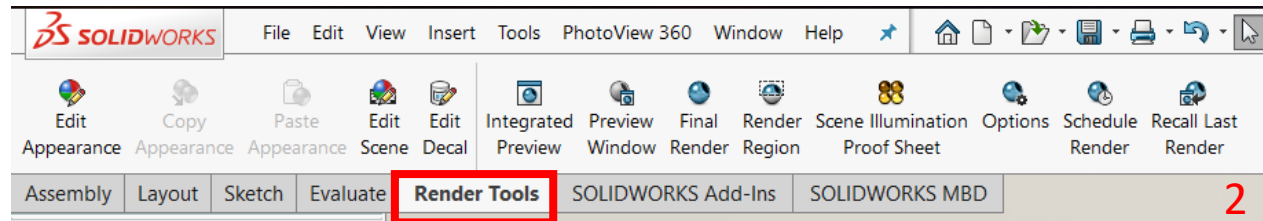
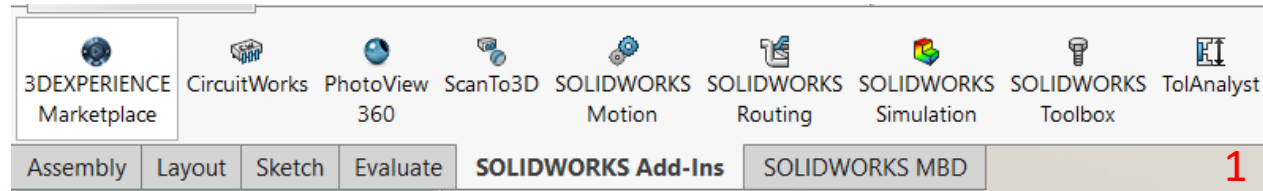
Continue the steps to  
color all the parts



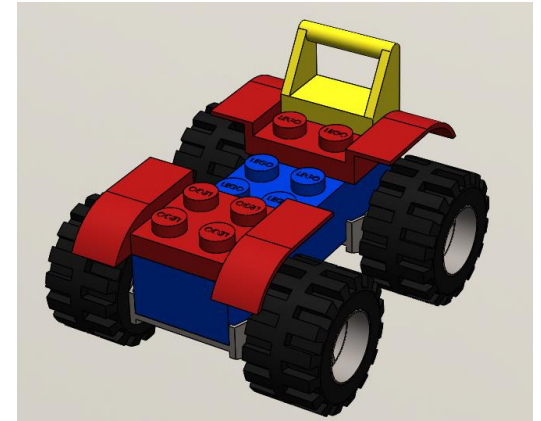
Select the part you  
want to add color

Select the color/appearance  
You prefer for your part.

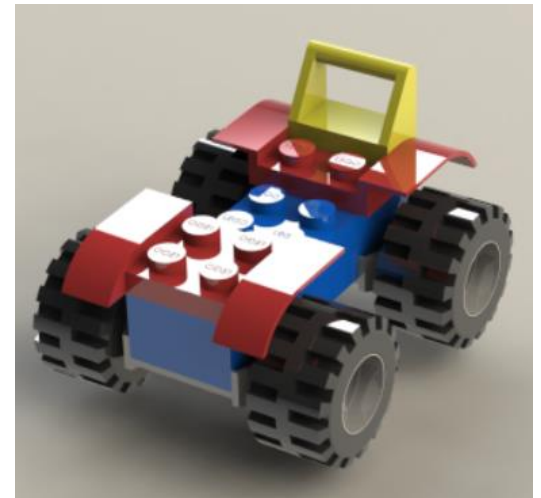
# Rendering (Step by Step): PhotoView 360 (Simple Version)



Final Color



Final Render



PhotoView 360 (Advance Version):  
Will be discussed in class

# Other Render Tools

- PhotoView 360 (Solidworks Add-in)
- Solidworks Visualize 2018
  - Tutorials: <https://www.youtube.com/playlist?list=PLiKqXuECiKNIakhZ87GzttyJbNDkt-mZ>
- KeyShot (3<sup>rd</sup> Party)
  - Can be Downloaded from: <https://www.keyshot.com/resources/downloads/>
  - Tutorials: <https://www.keyshot.com/resources/learning/tutorials/>
  - Checkout this Trailer: [https://www.youtube.com/watch?v=l14ndjM\\_bY](https://www.youtube.com/watch?v=l14ndjM_bY)