

Part I. MATERIAL UPDATE

- Update your portfolio layout and content according to the comments made in class and always following the submission requirements (READ carefully assignment 04). Do not forget to always add descriptive text!

Part II. SURFACE CREATION IN RHINO**Agenda:**

1. Curve degree, Rebuild, Curve Direction
2. Curve extrusion
3. Surface creation
Planar Surface, Sweep 1&2, Edge surface, Loft, Extrude crv along crv, Network Surface, Patch
4. History
5. Surface deformation
Edit points, Srf Normals, Srf Curvature, backface shading

Surface Creation Guidelines:

01. Draw a 10" by 10" rectangle, explode and **rebuild** it.
02. Move vertically the control points of the rebuild lines.
03. Extrude curve (**extrudeCrv**)
04. Extrude curve along curve (**extrudeCrvAlongCrv**)
05. Sweep 1 rail (**sweep1**)
06. Sweep 2 rails (**sweep2**)
07. Patch surface (**patch**)
08. Surface from edge curves (**edgeSrf**)
09. Surface from lofted curves (**loft**)
10. Surface from curve network (**networkSrf**)
11. Copy all of the surfaces 15" in the positive Y direction and match all of their **surface normal directions** and UV isocurve directions.
12. Use the **dot** command to name each of the above operations.
13. Save and upload your file on Blackboard **individually**.

Bustling Vacancy Deliverable:

- Performing the **surface creation series Rhino commands** mentioned in class re-evaluate (or create from scratch) the 9 latest studies (assignment 03) and upload on Blackboard. Illustrate an axonometric view (**always using the exact same camera**) for each of them. Render in Vray Rhino a perspective view for each of them (use same perspective view for consistency)
- Use the given Indesign Template (boards of 22" by 36") to showcase ALL 21 studies. Add figures to your studies (both in the axo diagrams and the perspective renderings). The indesign template is on Blackboard under Integration Project_Bustling Vacancy / Indesign Template (compressed package folder).

THIS IS THE WEEK TO WRAP UP YOUR WORK SO FAR.

Overall, for next class, you should have 21 studies in total as a group (7 per element) illustrated as axo drawings from the same view and rendered in perspective! These studies should be presented both in the given indesign boards template and your individual book.

Tutorials

Uploaded on blackboard:

- Rhino_Surface Creation

SUBMISSION

Due Date: 2:00 pm Friday, March 7th. Please upload on blackboard:

INDIVIDUALLY:

- 01.** A Pdf file of your updated book (**PART I**) exported as **spreads**.
- 02.** A Rhino file following the above mentioned srf creation steps (**01-13**) of **Part II**.

GROUP:

- 01.** A Pdf file of your Bustling Vacancy Studies in the given Indesign Template, 22"by36" (**PART II**).
- 02.** Rhino file/s with elements studies you haven't submitted yet (**PART II**).