

# Rhino Commands by Chapter:

## Chapter 1: Intro and Overview

Schedule

overview of geometry

## Chapter 2: The Rhino for Windows Interface

screen

toolbars

tool tips

viewports

The Mouse

Enter, SpaceBar RtClick

Esc to cancel command

Help (F1 and auto update help)

Command history

Tabbed panels

Open

Save

4view

Status bar (grid snap)

Viewport display options (shaded, ghosted etc)

Render (almost skipped)

Home and end keys

Shift pan

Scroll zoom, control click and drag zoom

ZEA

Click and drag in different views

Copy/move

### **Castle**

Parallel vs perspective views

Panning and zooming

Split viewport

Synchronize views

ZoomSelected

## Chapter 3: Creating Geometry

Line

Polyline

Curve  
Interpcrv  
Modeling aids  
Saving  
Layers  
Show/hide  
Lock/unlock  
Delete  
Selection menu  
Window Select  
Dedicated selection tools  
Selection Filters (careful)

## Chapter 4: Precision Modeling

Absolute and Relative coordinate entry  
Polar Coordinates  
Distance and angle constraint  
Mirror  
Extrude  
Revolve  
Bend  
Object Snaps  
SmartTrack  
Tab Constraint  
Project Constraint  
Plainer Constraint  
Viewports  
Construction Planes  
**Chair Drawing Exercise**  
Analysis commands  
    Dist, len, angle, rad, evaluatePt  
**Gasket Exercise**  
Circle  
Ellipse  
Polygon  
Rectangle  
Boolean difference  
Curve, InterpCrv, Conic  
Helix  
Spiral  
**ScrewDriver**

## Chapter 5: Editing Geometry

Fillet

Join/explode

BlendCrv

Blend

ArcBlend (you need to look into arcblend further)

Loft

Chamfer

### **Exercise 35 Filletex.3dm**

Move

Copy

Undo/redo

Rotate

Group/Ungroup

Mirror

Join

Scale (2d, 1d) move face

Gumball

Trim/Split

Extend

Offset

Offsetserf

What

Shell

Array

Arraypolar

## Chapter 6: Point Editing

Pon

Control points, edit points, knots

Rebuild

Nudge controls

Setpt

## Chapter 7: Rubber Ducky

## Chapter 8: Modeling with Solids

Box

Sphere

Cylinder  
Tube  
Cone  
Ellipsoid  
Torus  
Pipe  
Textobject  
Extrude  
Cap  
Bu  
Bd  
Bi  
**Soap bar with embossed and engraved text**

## Chapter 9: Creating Surfaces

Srfpt  
Edgesrf  
Planarsrf  
Patch  
Revolve  
Loft  
Sweep  
Filletserf  
Blendsrf  
Railrevolve  
Extrudecrv  
Extrudecrvalongcurve  
Extrudecrvtopoint  
Plane  
Plane3point  
planevertical