

## ENROLMENT FORM

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_ post code: \_\_\_\_\_

Email: \_\_\_\_\_

Phone Number:( ) \_\_\_\_\_

Course: \_\_\_\_\_

Fee: \$ \_\_\_\_\_

Enrolment is confirmed on receipt of payment. Enrolment is on a first in, first served basis. A receipt & confirmation letter will be sent to you prior to start date. In the event of insufficient numbers, a full refund will be given. No refund will be given after the commencement of the course or withdrawal within 7 days of the start date. You can also enrol by emailing the requested information. Please inform us of any medical or physical condition that could be a health and safety concern. Students must be at least 15 years of age to enrol.

**CHEQUES PAYABLE TO:** Hungry Creek Art & Craft School

**INTERNET BANKING:** 06 0383 0029678 00

**Credit Card Holders:**

Name: \_\_\_\_\_

Card No: \_\_\_\_\_

Signature: \_\_\_\_\_

Expiry: \_\_\_\_ / \_\_\_\_

Visa\_\_\_\_ Mastercard\_\_\_\_



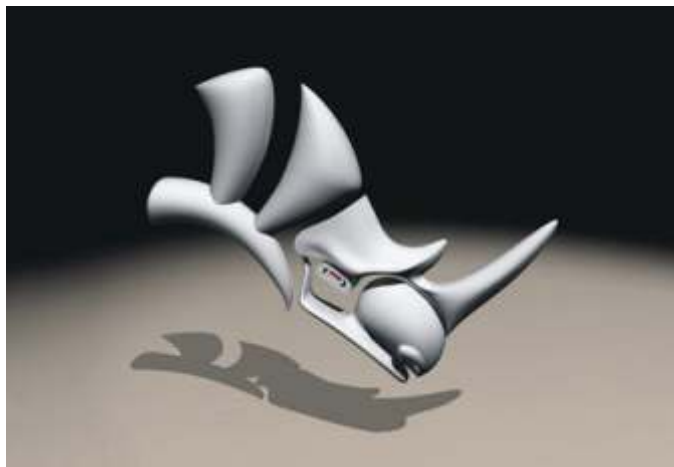
81 Hillside Road, Wairau Valley, Auckland

enquiries@hungrycreek.ac.nz

PO Box 316067  
Wairau Valley Post Centre  
Auckland 0760

Phone 09 414 7107

www.hungrycreek.ac.nz



# Rhinoceros<sup>®</sup>

NURBS Modeling for Windows

## What are NURBS?

NURBS, Non-Uniform Rational B-Splines, are mathematical representations of 3-D geometry that can accurately describe any shape from a simple 2-D line, circle, arc, or curve to the most complex 3-D organic free-form surface or solid. Because of their flexibility and accuracy, NURBS models can be used in any process from illustration and animation to manufacturing.



**HUNGRY CREEK**  
ART & CRAFT SCHOOL

# RHINO 3D MODELLING COURSES

TERM 2 2016



www.hungrycreek.ac.nz

# INTRODUCTION TO RHINO 3D

**Tutor:** Stephen Rose **Cost:** \$60  
**Date:** Monday evenings (minimum 4 students)  
**Time:** 6.30pm - 8.00pm **Class limit:** 8

This short course is designed to introduce students and design professionals to Rhino 3D. If you are not sure whether rhino is suited to you or want to try this before committing to the longer 8 week course/ 4 day block course for rhino level 1 then this is the course for you. The course will briefly cover the history and implementation of rhino software in various industries, the interface, and several design examples for you to create as well as an overview of rhino plugins and advanced modelling features.



## YOUR TUTOR

**Stephen Rose**

Authorised Rhino instructor  
Diploma in Art & Craft Advanced (Jewellery)  
Freelance jewellery designer

Hungry Creek is the only school in NZ that is an authorised Rhino training centre. Our tutor Stephen Rose is an authorised Rhino instructor who trained at McNeal, in Seattle, to gain accreditation.

# LEVEL 1 - RHINO 3D

**Tutor:** Stephen Rose **Cost:** \$550  
**Students:** \$350  
**Date:** Monday 2 May - 27 June **8 weeks**  
**Time:** 6.00pm - 9.00pm **Class limit:** 8

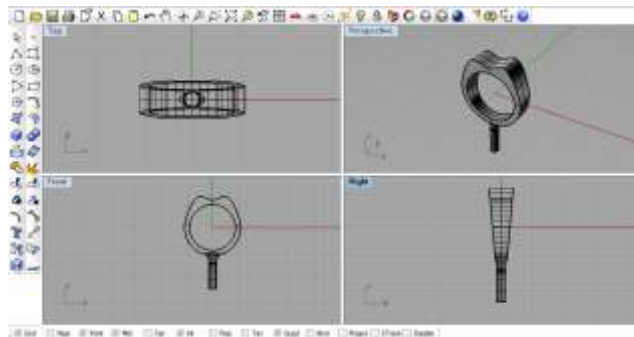
In this comprehensive Rhino course you'll learn to create and edit accurate free-form 3-D NURBS models. The course covers most of Rhino's functionality, including: the user interface, command access, creation and editing curves, surfaces and solids as well as basic rendering techniques.

On completing this course students are expected to be able to:

- ◆ Utilize the features of the Rhino user interface
- ◆ Customize your modeling environment
- ◆ Create basic graphic objects; lines, circles, arcs, curves, solids, and surfaces
- ◆ Model with precision using coordinate input, object snaps, and SmartTrack™ tools
- ◆ Modify curves and surfaces with edit commands and Gumball
- ◆ Use control point editing to modify curves and surfaces
- ◆ Export and import models to and from different file formats
- ◆ Render the model using Rhino Render
- ◆ Dimension and annotate model
- ◆ Use Layouts to arrange views of model on paper for printing

This course is for students and professionals who want to efficiently learn the concepts and features of the Rhinoceros modelling in an instructor-lead environment. Prerequisites:

Windows skills, and a desire to model. Previous drafting and modeling experience helpful but not required.



# BEGINNERS JEWELLERY - RHINO 3D

**Tutor:** Stephen Rose **Cost:** \$450  
**Date:** Tuesday 10 May - 28 June **8 weeks**  
**Time:** 6.00pm - 9.00pm **Class limit:** 8

This course has been designed by jewellers for jewellers. Learn to use this industry standard CAD program to design jewellery and then prepare for printing the final 3D model using Rapid Prototyping.

Computers and software supplied for the duration of the course.



# INTERMEDIATE JEWELLERY - RHINO 3D

**Tutor:** Stephen Rose **Cost:** \$450  
**Date:** Thursday 12 May - 30 June **8 weeks**  
**Time:** 6.00pm - 9.00pm **Class limit:** 8

This course continues where the beginners finishes. It will introduce advanced curve, surface and solid modelling techniques used in the design and production of jewellery. Students will develop an understanding of how to design complex rings, pendants and earrings. The use of plugins will be discussed as well as an introduction to parametric design using the Grasshopper plugin for Rhino3D.