



dd 1160/70 digital imagery

contact	lane borstad (that's me the instructor) my office (L1250) hours are tuesday and thursday from 10:00 to 11:00 or you may reach me at (403) 539 - 2836 or better yet e-mail to Borstad@gpro.ab.ca, see also my web page http://FineArt.GPRC.ab.ca/~lane
times	A2 - monday wednesday - 8:30 am - 9:50 am B2 - tuesday thursday 14:30 - 15:50 pm
room	L123
description	dd 1160 and dd 1170 are designed to give students an introduction to the theory and practice of three dimensional computer generated images (CGI). Students will model, animate and render photorealistic images suitable for animation, game development, and/or video Note: dd 1160 and dd 1170 are not programming courses. They are designed for students interested in learning to use existing tools for creating 3 dimensional images, developing personal expertise with those tools, and understanding the resulting aesthetic
objectives	Students will: <ul style="list-style-type: none"> ● Acquire an solid understanding of the concepts and principles of 3D object creation. ● Develop skills in the use of specific computer tools applicable to 3D CGI. ● Produce a portfolio of work which demonstrates their knowledge and expertise.
assignments	Major emphasis will be placed upon: <ul style="list-style-type: none"> ● Modelling basics of point, line, and polygons ● Organic shapes with spline curves, NURBS and Boolean operations. ● Rendering of photorealistic images ● Materials and surface treatments such as textures, reflection, refraction, transparency, specularly and bump mapping ● Photographic and atmospheric effect such as motion blur, depth of field and fog. <p>The following topics will be introduced in AR 1160 and expanded upon in AR 1170</p> <ul style="list-style-type: none"> ● Animation via keyframe-based animation ● Inverse Kinematics for character animation ● 3D morphing ● Particle animation
grades	midterm-----20% term projects-----40% final exam-----20% portfolio-----20%

note

More than 10% absenteeism may constitute a failure except for medical or extenuating circumstances in which case a doctor's letter will be required.

Assignment:

Grande Pointe Regional College

* FINE ART - INTERACTIVE DIGITAL DESIGN STUDIOS - ART HISTORY - DESIGN *