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## 212 Perspective 1 11 Week 2022 IN PERSON Professor Donald Gardner

**Course Overview** This is an entry level perspective course using photos, grids and demonstrations to instill an understanding of beginning perspective. The student shall be exposed to the first stages of understanding one and two point perspectives along the path to create three-dimensional interior drawings. Interiors shall be highlighted rather than exterior scenarios. Foundation of course will be the "unseen" box, delivered into a room and "unpacked"

**Course Objectives** To develop the ability to produce effective three dimensional design solutions which satisfy visual descriptions and needs. Professor mid-room table and teaching assistant in class weekly make attendance very important. Tutorial sessions may be contracted through the teaching assistant.

To understand the process used to solve three dimensional design problems:

preparing and using a photo to discover the vanishing points  
determining functional relationships between horizon lines and grid-like planes  
developing schematic three dimensional sketches  
determining the spatial standards and needs to render an object three-dimensional  
graphically representing design solutions in two and three dimensions

**Attendance:** Each student may have a total of two absences. However, more than two consecutive class meeting absences or three non-consecutive meeting absences per course may result in the student being withdrawn from that course. Attendance is considered an important habit to acquire in becoming a mature, responsible member of the professional community.

**Late Work:** All projects will be turned in for review and evaluation as announced. All projects will be due at the BEGINNING of the class unless otherwise stated. LATE WORK WILL NOT BE ACCEPTED. It is better to turn in your project in whatever state it is in and receive at least partial credit than to receive no credit at all.

**Academic Dishonesty:** All academic work, written or otherwise, submitted by a student for a grade is expected to be the result of his/her own thought, research or self-expression. Plagiarism includes reproducing someone else's work or employing or allowing another person to alter or revise the work which a student submits as his/her own. Should a student use part of, or refer to another source in the exercise, it is expected that proper credit will be given in accordance with established documentary formats. Any work submitted for grade, which proves to be that of someone other than the student will receive a "Ø" for grade.

### What's in store in the weeks ahead?

1. Photo exercise: find three (3) each one point and two points
2. Cube exercise (6) One Point box exercise  
Above, at and below the Eyeline, one cube to contain VP  
(3) Two Point box exercise  
Above, at and below the Eyeline
3. Setting/cluster three or four boxes  
One Point exercise (3 boxes; cubes)  
Two Point exercise (4 cubes; boxes)
4. Elevation pull Given elevation, four (4) VP's and pull forward  
Molding push. Trace molding and push TO VP
5. Circle Eight-step program to circle recovery
6. Expansion 1 Treasure Island and "X"
7. Sofa Locate VP(s), create eyeline and use proportion and ratio  
to establish a room, a coffee table (cubic/box form)
8. One point Homemade One point Grid  
1.5 One-time use point
9. Two point Homemade Two Point Grid

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|-----|-------------|--|
| 10. | Plot        | Learning to read the floor plan anticipating the grid<br>One point<br>Two point<br>Elevations in perspective: the arched opening/balcony |
| 11. | Bungee      | Snapping the bungee cord   |
| 12. | Expansion 2 | Room too small? Expansion beyond the grid  |
| 13. | 45's        | Learning how to angle cubes/boxes<br>One point (two NEW VP's)<br>Two point (two MORE VP's..4 in all, on very far away)                   |
| 14. | Distorted   | Sliding the paper over one of my two points  |
| 15. | Chairs      | Cubes become arm chairs!   |
| 16. | Triangles   | Orthographic projections: Isometric and axonometric  |

**Grading: SUBJECTIVE on overall comprehension and use demonstration**

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|----|------------|--|
| 1. | 55%        | Your student textbook: your personal KNOWBOOK<br><br>Your collection of personal notes, compiled into a useable notebook with ALL examples, sketches and, most important, descriptions, even in your first language, of how to make perspective! |
| 2. | 45%        | Final practice<br>With your notes, can you do it?  |
| 3. | Attendance | <i>(Drops one letter grade after second missed classes)</i><br><i>Early departure to "work at home:" absence</i>   |

Not a correspondence course. No Project will be accepted late, early arrival in person or via FedEx ok with advance professorial permission. No extensions. All work shall be posted and reviewed in class, flimsy drawings to be collected and integrated into your personal textbook, which should be brought each week and may be reviewed at any class session.

**DO NOT TURN-IN ANY WORK TO FRONT RECEPTION DESK**

**Materials:**

Estimated Student Cost: **\$85.00 materials / \$65.00 textbook**  
 18" 30-60 triangle (Amazon Quint Professional Triangles)  
 18" or 24" roll of tracing paper "flimsy"  
 Yard/meter stick  
 Pencils: Standard drafting with medium lead, colored pencils (three suggested but diverse colors, viz., blue, red, green, purple, orange...no yellow)  
 Drafting dots or draughting/drafting tape

**Suggested Text: CURRENTLY OUT OF PRINT**

*Smartbook 1: thinking on paper* Donald Gardner ISBN 978-9777433-0-5  
 Alternate sources:  
*Perspective for Interior Designers* John Pile ISBN 0 8230 4008 9  
*Perspective Without Pain* Phil Metzger ISBN 0 89134 446 2

**Tutorials:** Contact Sue Curtis for additional one-on-one perspective tutoring

**Class Schedule:**

Week 1 Introduction to Vanishing Points via photos.  
 Ancient methods for perspective: proportion and ratio.  
 Introduction to the **Student Textbook** concept and to general perspective via photo discovery locating vanishing points, one point and two points.

Review of the fifteen anticipated achievement goals (page 2)  
Learning what to expect and what to identify with interior rendering.  
NOT AN MATHEMATICAL or LINEAR PERSPECTIVE CLASS, rather practical, quick useable rules and practical three dimensional usage for the interior designer.  
Practice with photos and flimsy.  
Homework: Bring new magazine photos (approximately 8 X 10), approximately three each, having one and two vanishing points. Total of six plus the two provided  
VIDEO: Masters of Illusion; in class

**Reading assignment: pages 6-23, answer questions on pages 18 and 19**

- Week 2      Due VP Exercise Discovery over-layment  
The BOX. Everything comes (and delivers) from the box and how to use the box in interior renderings. The cube exercise. Six 2" x 2" squares become cubes for one point (pull three and push three). Three 2" high lines become cubes. Initially pull FROM two VP's, which are 36" apart from one another.  
Clusters: Three cubes in a one point, four cubes in a two point (exact dimensions not important at this stage as we haven't discussed this topic).  
**Reading assignment: pages 24 – 39 (see page 48 for expanding cluster)**
- Week 3      Review work: Putting your boxes into a space in small groups or clusters  
Introduction of elevational project: From provided elevation (kitchen or pub) begin study with one point expansion only from elevation. Cat's eyeview, on ladder view, out of room view and normal 5'6" view.  
Elevation provided to pull from  
Molding provided to push toward VP  
Eight-step program for circle development and expanding "X's"  
Development of a room surrounding the sofa with a nine foot high ceiling, a coffee table, 44" wide approximately 18" away from the sofa face.  
**Reading assignment: pages 40 –69**
- Week 4      **Due: Sofa project post on the wall for general review.**  
Homemade one point grid manufacture  
1.5 One-time use  
Two point grid, time permitting  
**Reading assignment: pages 70 – 75 (76 – 81 time permitting)**
- Week 5      Review:  
**DUE**      Homemade two point grid  
Plotting and finding my way around  
Into pre-printed grids, each student will plot based upon a provided plan.  
Start with the one point, then advance into the two point  
Bungee. How tall is it?  
**Reading assignment: pages 76 – 81, 90 - 97**
- Week 6      Plotting practice with your grids, hand made and machine made grids  
**Reading assignment: pages 76 – 81**
- Week 7      Forty-five degree angled objects, beginning with a wall and then carrying to cubes (eventual furniture placement). Start with one point, move into two point work

**Reading assignment: pages 98 - 108**

- Week 8 Distorted one (really two) point perspectives  
Cubes and boxes into chairs An arch in the wall. One and two point exercises to make the arch into the adjoining room  
**Reading assignment: pages 86 -89, 116 -128**
- Week 9 **Due Last preview of the Student Textbook**, checking for your notes and if you have all needed to function.  
Question and answer, from Student KNOWBOOK, of problems located in YOUR notebook assemblage during practice homework.  
Triangles and Orthographic projections  
One sixty-minute "speed run" during class of different previous exam: practice  
**Reading assignment: pages 129 - 145**
- Week 10 Ninety-minute speed run then a "what is missing", what needs fixing for future courses at IDI.  
Are notes complete in Student Textbook?  
Are ALL flimsy drawings in sleeves or ready for future use? Labeled? Tagged?  
Last minute practice.
- Week 11 Ninety (90) minute with previously provided grids: one/two point  
Ninety (90) minute drawing with two/one point (whichever you did not just complete)  
Open book, open notes, no response to oral questions final quiz  
Cubic form is fine for grading, furniture as an overlayment  
Review of student textbook (55% of your grade is in completeness and meaningful use during quiz).

PLEASE NOTE: Classes run through and include Monday 4 April, our final is that day.













