

Graphics Workshop I

EVDA 541/ARST 451 (100 hours Fall 2013)

INSTRUCTORS

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Class Time: Monday/wednesday 9:00-12:50pm

SPC: graphics skills [primary] /design skills [secondary]

Introduction:

Graphics I is a skill building course, thought in conjunction with studio one. It covers a range of both digital and manual means and techniques of production. The course is an introduction to the use of graphic techniques as a method of communicating and exploring form and organization in architecture. It offers a series of exploratory graphic exercises with an emphasis placed on the connections between the thinking process, hand, making and technology.

Objectives:

1. To develop sketching and freehand drawing skills.
2. To develop knowledge of drawing construction techniques, orthographic projection and technical drawing conventions.
3. To develop knowledge of image processing, illustration, modeling and rendering software.
4. To develop critical-productive positions regarding the use of various techniques and technologies as they relate to architectural design.

Teaching Approach:

The course is divided into two major themes that cover techniques and conceptual aspects of drawing and making. Each theme is divided into several topics. Students are expected to learn basic skills as well as formulate their own position in reference to techniques and technologies introduced through assigned exercises. Generally, lectures and lab demonstrations will be given prior and exercises will be started in class. Occasionally short readings will be assigned to supplement the material presented in class. The completed work will be posted, by students, on the class blog.

Content:

1. Process Drawing: freehand + digital
2. Diagramming [2d + 3D]
3. Life at Right Angles: Orthographic Projection, constructed drawing, scale, measuring
4. Visual notes + Sketching
5. Presentation + Portfolio
6. Modeling as representation
7. Digital fabrication (laser cutting)

Computer Programs that will be introduced in varying degrees:
Illustrator / Photoshop / In-Design / CAD / Rhino

SCHEDULE FALL 2013

SUBJECT TO CHANGE

- S**
- M09 Thinking Through Drawing and Making + Isometric
 - W11 Life at Right Angles

 - M16 Orthographic Drawings
 - W18 Pencil strokes

 - M23 Instructional Sequencing [In-Design workshop + Photoshop]
 - W25 Thin Sections: The Searching Line
- O**
- M30 Diagramming [2D] illustrator
 - W02 Mapping + Scripts For Drawing

 - M07 Perspective Promenades
 - W09 The Graphic Template

Block WEEK

- M21 Orthographic [CAD]
 - W23 Material and Contrasting Thoughts
- N**
- M28 Thick Sections: Dissecting buildings
 - W30 Wood Drawings MODELS

 - M04 3 D Diagramming [Rhino]
 - W06 Portraits and Facades

 - M11 The digital façade. [CAD +Photoshop]
 - W13 Scale Of Representation

 - M18 Fabrication: thinking through making
 - W20 The Body In Space

 - M25 Presentations: moving between programs
 - W27 Scripts for more drawing
- D**
- M02 portfolio + sketchbook
 - W04 Presentations

Evaluation:

The course evaluation will be based on the assignments completed during the term. Each assignment has to be completed in order to pass the course. The late work will receive 10% reduced grade. Students are required to post all assignments to the class blog.

Evaluation will be as follows:

Weekly assignments 80%
 Sketchbook 20%

The following grade equivalencies will be used for calculating overall letter grades:

Grading Scale

Letter Grade	4-Point Scale	4-Point Range	Percent	Description
A+	4.00	4.00	92.5-100	Outstanding - evaluated by instructor
A	4.00	3.85-4.00	85-92.49	Excellent - superior performance showing comprehensive understanding of the subject matter
A-	3.70	3.50-3.84	80-84.99	Very good performance
B+	3.30	3.15-3.49	76-79.99	Good performance
B	3.00	2.85-3.14	73-75.99	Satisfactory performance
B-	2.70	2.50-2.84	70-72.99	Minimum pass for students in the Faculty of Graduate Studies
C+	2.30	2.15-2.49	66-69.99	All final grades below B- are indicative of failure at the graduate level and cannot be counted toward Faculty of Graduate Studies course requirements.
C	2.00	1.85-2.14	63-65.99	
C-	1.70	1.50-1.84	60-62.99	
D+	1.30	1.15-1.49	56-59.99	
D	1.00	0.50-1.14	50-55.99	
F	0.00	0-0.49	0-49.99	

Note: A student who receives a B- or lower in two or more courses will be required to withdraw regardless of their grade point average unless the program recommends otherwise. Individual programs may require a higher minimum passing grade. A grade point value of 3.0 on the 4-Point Scale is the minimum acceptable average that a graduate student must maintain throughout the program as computed at the end of each registration anniversary year of the program. A student who receives a grade of F will normally be required to withdraw unless the program recommends otherwise.

The course will follow the schedule; slight changes, however, might occur to better reflect students' interests. Also, additional assignments might be given at the discretion of the instructor. Revisions of the schedule will be provided; it is the students' responsibility to make certain they are using a current schedule and a reading list.

Notes:

1. Written work, term assignments and other course related work may only be submitted by e-mail if prior permission to do so has been obtained from the course instructor.
2. It is the student's responsibility to request academic accommodations. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, please contact their office at 220-8237. (<http://www.ucalgary.ca/drc/node/46>) Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the start of this course.
3. Plagiarism - Plagiarism involves submitting or presenting work in a course as if it were the student's own work done expressly for that particular course when, in fact, it is not. Most commonly plagiarism exists when:(a) the work submitted or presented was done, in whole or in part, by an individual other than the one submitting or presenting the work (this includes having another impersonate the student or otherwise substituting the work of another for one's own in an examination or test),(b) parts of the work are taken from another source without reference to the original author,(c) the whole work (e.g., an essay) is copied from another source, and/or,(d) a student submits or presents work in one course which has also been submitted in another course(although it may be completely original with that student) without the knowledge of or prior agreement of the instructor involved. While it is recognized that scholarly work often involves reference to the ideas, data and conclusions of other scholars, intellectual honesty requires that such references be explicitly and clearly noted. Plagiarism is an extremely serious academic offence. It is recognized that clause (d) does not prevent a graduate student incorporating work previously done by him or her in a thesis. Any suspicion of plagiarism will be reported to the Dean, and dealt with as per the regulations in the University of Calgary Graduate Calendar.
4. Information regarding the Freedom of Information and Protection of Privacy Act (<http://www.ucalgary.ca/secretariat/privacy>) and how this impacts the receipt and delivery of course material
5. Emergency Evacuation/Assembly Points (<http://www.ucalgary.ca/emergencyplan/assemblypoints>)
6. Safewalk information (<http://www.ucalgary.ca/security/safewalk>)
7. Contact Info for: Student Union (<http://www.su.ucalgary.ca/page/affordability-accessibility/su-structure/contact-info>); Graduate Student representative(<http://www.ucalgary.ca/gsa/>) and Student Ombudsman's Office (<http://www.su.ucalgary.ca/page/quality-education/academic-services/student-rights>).