

VectorWorks for Scenic Designers

Fall 2014

Instructor: Sara C Walsh

Email: saracwalsh@gmail.com

Phone: 773.818.7034

Meeting:

Tuesdays 3:30-4:45

721 Broadway, 354 Computer Lab

Goals:

The goal of this class is to introduce you to VectorWorks 2014 and to develop a familiarity with the basic principles of CAD drafting, as well as those necessary for drafting a professional set of construction drawings for a shop.

Required Materials:

VectorWorks 2013 or 2014 (either in the computer lab or on your own computer)

Winzip, Stuffit, or other software to "zip"

a scale rule

Grading:

Grading will be based on participation, completion of assignments and demonstration of an understanding of the material through homework and quizzes.

Homework: 50%

Participation: 30%

Final Project: 20%

Homework:

There will be an out of class assignment **due by email every Sunday at 9pm** following the class in which it is assigned. Some assignments will also need to be printed out before class.

These assignments are cumulative; they will build on the work of the previous week's assignment. If you miss a class, you **MUST** get the information from me or another student.

To submit homework:

1. Name the file with your name and the assignment number (ie SaraCWalsh7.vwx.)
2. .zip or .sit or .sitx the file
3. Send me an email at saracwalsh@gmail.com, including the attached assignment and your name. **Be sure to attach the file!**

I will email you back as soon as possible letting you know I have received the assignment.

Late assignments will be graded down:

up to 59 minutes late: will go down one small grade (i.e. a B becomes a B-)

1-2 hours late: will go down two small grades (i.e. a B+ becomes a B-)

more than 2 hours late: will go down a full letter grade (i.e. a B+ becomes a C+)

Class Website:

All handouts and assignments will be available on the class website.

To access the Class Website:

Go to **www.saracwalsh.com**

Click on the *Class* tab

You will be directed to a page where you can download all of the class files.

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Syllabus

- 9/9/14 How to Draw: Exploring the Basic Palette, Dimensioning and the Text Tool. Saving and Autosave. Class Template and Workspace. PDFs and Printing.
Assignment #1 due 9/14/14 : **Make your title block, draw whatever you want.**
****Bring an 8.5"x11" printed copy of Assignment #1 to the next class****
- 9/16/14 What you know about what you drew: Object Info, Navigation, Working Planes, View (Viewports), Classes/Layers, Line weights, Scale
Assignment #2 due 9/21/14 : **HANDOUT: Draw some very specific things.**
****Bring an 8.5"x11" printed copy of Assignment #2 to the next class****
- 9/23/14 How to change what you drew OR draw what you want: Edit/Modify/File menus
Assignment #3 due 9/28/14 : **HANDOUT: Measure and draft the Theatre GP in 1/2" scale. Remember your titleblock!**
- 9/30/14 Drafting Part 1: How to communicate using your drawings (notes, dimensions and details): How to set up a drawing to help YOU draw as efficiently as possible; start with a GP.
Assignment #4 due 10/5/14: **HANDOUT: Draft Section of Theatre using GP and additional photos and measurements.**
- 10/7/14 Drafting Part 2: How to communicate using your drawings (notes, dimensions and details): Sections....
Assignment #5 due 10/19/14 (**Note date!): **Using the model, draft the SET inside the theatre in GP and Section. Make sure you dimension and label it!**
****Bring a printed copy of Assignment #5 to the next class (2 plates)****
SCHEDULE INDIVIDUAL MEETING VIA EMAIL (10/13 - 17)
- 10/14/14 **NO CLASS – CONFERENCE WEEK**
Individual meetings.
- 10/21/14 Drafting Part 3: How to communicate....: Elevations!
Assignment #6 due 10/26/14 : **Draft and dimension elevations of ALL set pieces (not furniture) using the model as reference.**

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- 10/28/14 Drafting Part 4: How to communicate...: Details! ALSO *Organization*: Sending a VW file vs. printed copies; pdfs; preparing for “my shop has no plotter”.
Assignment #7 due 11/2/14: **Draft details of the set pieces (using viewports!) and add onto your elevation plates.**
- 11/4/14 Vectorworks 3D Part 1
Assignment #8 due 11/9/14: **HANDOUT: extrude your existing Ground Plan to create a 3D model.**
- 11/11/14 Vectorworks 3D Part 2
Assignment #9 due 11/16/14: **HANDOUT: draw and dimension a Ground Plan and Section (as made from the 3D drafting)**
- 11/18/14 Vectorworks 3D Part 3
Assignment #10 due in class 11/23/14: **Download Sketch-Up onto your personal laptop.**
- 11/25/14 Vectorworks 3D Part 4
Assignment #11 **TBD**
- 12/2/14 Sketch-Up Tutorial
Assignment #12 due 12/9/14 in class : **A print out of the final drafting for Set Design Class (should be at least Ground Plan, Section and one plate of elevations)**
- 12/9/14 Final Project Critiques: **Bring in a copy of your printed Drafting to class.**