

FINAL PROJECT – ID 233 AUTOCAD

*College of Fine Arts & Humanities
Department of Interior Design*

*Evening/Weekend College, Summer 2015
May 4 – August 7, Course Credit: 3*

Final Project

Dates	Task	Instructions	Points
Wed July 22	Final Project Released	Review final project assignment and begin work.	—
Wed July 29	Preliminary Review	Deadline to submit drafts for preliminary review.	—
Wed August 5	Final Project Due	See details below. DUE 8/5 AT 11:59 PM EST	250 pts

Assignment Overview

For your final project, you will complete a set of construction documents. You will reproduce each plan type developed during the course using a new base plan. However, you will use a different base plan as your starting point. You may use all of the videos and resources I have given you in this class. You may also ask me questions, and collaboration in discussion is permitted; however, all drafting work must be completed individually. Your construction set must be completely your own.

At the halfway point between the project being released and the project being due, you have the option of e-mailing me PDFs of each plan you have completed. I will only review completed plans; please do not send me a plan that you have half-finished. I will skim the plans and give you quick comments regarding what you have completed up to that point. I highly recommend that you take advantage of this, but it is completely optional. I will not review anything sent to me past Wednesday, July 29 at 11:59 PM EST, and I will provide feedback by August 2 at 11:59 PM EST.

I have included a rendering in the module of what the base plan would look like from the exterior. This is merely for your own interest.

Timing

I recommend that you have the first 3-4 plans completed by the halfway point. This gives you the second half to finish the remaining plans and organize the plans in layout space. Be aware that organizing plans in layout space takes much longer than you might expect. Before submitting the plans, I also recommend that you print them each out (fit to page to the largest paper size your printer will allow) and look at them individually for

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errors. This is called “redlining” the drawings. Many errors become more apparent when reviewing printed drawings rather than digital files.

Partition Plan

- In the Final Module, there is a PDF titled “AutoCAD 233 Final Project”.
- Reproduce the plan as shown in the “AutoCAD 233 Final Project” PDF.
 - All walls, windows, doors, door jambs, stairs, fireplaces, and other building elements must be included on the plan.
 - All room names must be shown on the drawing at the appropriate text height.
 - All building elements must be dimensioned accurately with accurate dimension properties.
 - All building elements and text must be on the correct layers, and all layers must have the correct properties.

Furniture Plan

- Add furniture to the plan.
 - Furniture must be included in the Living Room, Dining Room, and Bedrooms. You may add furniture in other areas if desired and if appropriate.
 - There are no requirements regarding exact furniture specifications, but furniture must be appropriate for the space and use.
 - All furniture must be sized appropriately and accurately drawn.
 - All furniture pieces must be blocks that are created accurately.
 - Furniture labels must be included adjacent to each furniture piece (e.g. table lamp or sofa).
 - All furniture pieces must be on the correct layers, and all layers must have the correct layer properties.

Reflected Ceiling Plan

- Create a plan that details the ceiling.
 - At least 2 different ceiling heights must be included on the plan. You may denote 1 ceiling height in the notes section of the RCP legend or both may be included on the plan.
 - Both gypsum board (gyp board) and ceiling grid must be included on the plan. Each room only needs one or the other, not both. There are no requirements regarding which room is gyp and which is ceiling grid as long as it is logical.
 - HVAC supplies and returns must be included in the Living Room, Dining Room, Kitchen, Utility/Pantry, Bathrooms, and Bedrooms. They are not needed in the closets.

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- Light fixtures must be included in every room. Walk-in closets must also have a light fixture, but small closets do not require one.
- At least 3 different types of light fixtures must be included on the plan.
- Light fixture symbols, HVAC symbols, and gyp board/ceiling grid patterns must be included on a RCP legend.
- You must call out SPECIFIC manufacturer information, style/model number, and color/finish for each light fixture in the legend. You will not be graded on the design choice, merely that you added this information to the legend.
- All RCP patterns must be drawn at the correct scale and appropriate for the material (e.g. gyp or ceiling grid).
- All RCP elements must be on the correct layers, and all layers must have the correct layer properties.

Power & Communications Plan

- This plan must include power and communication information.
 - Power outlets must be included in every room except for closets. These need to coordinate with the furniture layout.
 - All appliances must have the appropriate power outlets.
 - At least one cable TV and one internet connection must be included.
 - All power, TV, and internet symbols must be included on a legend with a general description.
 - All power and communications elements must be on the correct layers, and all layers must have the correct layer properties.

Finish Plan

- Detail finishes for the plan.
 - All rooms must include a floor pattern that denotes the flooring for that room.
 - At least 2 different flooring finishes need to be used.
 - You must call out SPECIFIC manufacturer information, style/model number, and color for each flooring specified in the legend. You will not be graded on the design choice, merely that you added this information to the legend.
 - All finish patterns must be drawn at the correct scale and appropriate for the finish selected (e.g. if you select carpet, do not hatch a tile pattern).
 - All finish patterns must be on the correct layers, and all layers must have the correct layer properties.

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Interior Elevations

- You must draw 3 interior elevations, and I have selected these for you. They are marked on the “AutoCAD 233 Final Project” PDF with elevation markers.
 - Be sure to draw the elevations using appropriate lineweights.
 - Elevations must represent the conditions shown in the partition plan.
 - Be sure to add elevation markers to your partition plan.
 - Be sure to neatly organize elevations in layout space with individual titles displaying the elevation number.

Interior Sections

- You must draw 2 interior sections. You may select which sections you would like to draw from the elevations that were required.
 - Be sure to draw the sections using the appropriate lineweights.
 - Sections must represent the conditions shown in the elevations.
 - Be sure to add section markers to your elevations.
 - Be sure to neatly organize your sections in layout space with individual titles displaying the section number

*NOTE: Your elevations and sections may be on the same sheet in layout if they all fit OR they may be on different sheets. If you put them on the same sheet, be sure to note the change in scale under the title of the elevations and sections because the elevations and sections are not shown at the same scale.

Organization

You will be required to submit the AutoCAD version and a PDF version of each plan. The requirements for each are detailed below:

AutoCAD

You may complete your entire construction document set in one .dwg file OR you may complete each plan in separate AutoCAD files:

- If you complete your entire set in one file, please name the file: "Name - Final Construction Document Set". For example, mine would be "Laura Harris - Final Construction Document Set". If you are using one plan, you may consider using layer states but are not required to do so.
- If you complete each plan in a separate AutoCAD file, please name the files: "Name - [Name of the Plan]". For example my partition plan would be "Laura Harris - Partition Plan". Please use the same names I use above for naming the plans. If you are using multiple plans, you may use XREFs but are not required to do so.

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PDF

Each plan will need to be placed in layout space in an organized fashion and printed to a 17x22 (ANSI C) PDF. You must use the university 11x17 titleblock as a starting point and modify it to fit the larger sheet. Fill out the titleblock completely, including sheet numbers in the order listed in the typical sheet index in the Reference Module. Each plan must be at 1/4" scale EXCEPT for the elevations and sections. The elevations must be at 3/8" scale and the sections must be at 3/4" scale. The elevations and sections must also include separate titles below or beside the drawings to denote the specific elevation and section numbers. If the scale changes on the same layout, you need to denote the scale under the title as well. This is not required for the other plans if the titleblock is filled out and numbered appropriately, and there is only one scale drawing on the sheet.

Submission

All .dwg and .pdf files must be placed in a folder titled "Name - Final Project". For example, my folder would be "Laura Harris - Final Project". The folder must then be zipped (also known as compressed) and submitted to the Canvas final project submission link by the due date above.

Grading Rubric

The grading rubric is posted in Canvas under the link for the assignment submission. It lists specific requirements for each plan included in the final project, so please double-check that your work meets the grading criteria prior to submission.