DEPARTMENT OF ARCHITECTURE AND INTERIOR DESIGN
SYLLABUS and COURSE OUTLINE

College of the Canyons – Santa Clarita Community College District,
26455 Rockwell Canyon Road, Santa Clarita, CA 91355

COURSE TITLE  Residential Design
ID-207

Section 19101  Days  T. TH.
10:35AM 12:55PM  Spring 2016

Classroom  Mentry 223  Units 3

Instructor  Dorothy Minarsch  Email  Dorothy.minarsch@canyons.edu
Office Hours  M.T.W. TH.  8:15am – 9:00am

COURSE DESCRIPTION
Addresses residential space planning, programming, and support spaces explored through creative expression.
Includes critiques and design presentations.

Student Learning Outcome (SLO)
Lecture: Analyze and solve residential design problems using the design process consisting of analysis and synthesis.
Lab: Create presentation boards to illustrate design solutions.

1. Residential Design Studio by Robert Philip Gordon
   ISBN - 978-1-56367-841-7 Copyright 2011 Publisher: Fairchild Books


3. You should already own this book: Textbook from your ID 110 or ARCHT 110 CLASS

Optional but highly recommended: Time-Saver Standards for Interior Design and Space Planning, 2nd Edition
Author: Joseph DeChiara - Julius Panero - Martin Zelnik
ISBN 10: 0071346163 ISBN 13: 9780071346160 (not required but highly recommended - any version will be great)

Grades will be based on letter and percentage grades given for projects, assignments, quizzes, and class participation. The grading scale is based on points:
A = 90-100
B = 80-89
C = 70-79
D = 60-69
F = 59 and below

Anxiety and Stress
Life in general can be stressful. If you are feeling stress or anxiety, please address it early so you can perform to the best of your abilities and feel confident of your efforts. Feel free to talk to me about any assignments for clarification or just help. If you have other issues and need to talk to a counselor then you can go to the Health Center office in room S-122 of the Student Center, phone number 661-362-3259 they will be happy to assist you for free.”

SCHEDULE (Subject to change at instructors discretion as necessary)
Field trips:
Field trips may be considered part of the course and are counted towards class attendance if the field trip is conducted during class time. Students who are unable to attend the field trip shall be assigned an activity or assignment to be prepared in the TLC lab during the field trip course time. Students are to conduct themselves as a professional representative of the college when attending field trips. If you are a minor, you must be accompanied by a legal guardian.

Student Conduct/ Academic Integrity:
As at any academic institution, you are required to conduct yourself as a professional and courteous student. Any act of plagiarism, cheating, disrespect towards other students, etc. will be disciplined to the utmost degree by college rules and standards. Please keep all cell phones on vibrate. College policy dictates that no food and or beverages will be permitted in the classroom. You may bring in capped bottles and keep them under your desk, but must recycle any empty bottles. No smoking, tobacco, e-cigarettes, vaporizers or other paraphernalia are permitted in the classroom.

Classes with a lab component: Students are responsible for cleaning their work surface after each class so that the next student using that desk doesn’t have to clean up after you. All cutting must be done on a cutting mat (not directly on the drafting tables). Drafting board surfaces must be protected with your cutting mat or cardboard when coloring, painting or gluing. Any spray painting must be done at home or outside a minimum of 25’ away from any building or sidewalks.

Late assignments: will be accepted for up to one week after the due date and penalized one full letter grade. There are no exceptions without a valid excuse.

Drop Policy: It is at the discretion of the instructor to drop/withdraw a student for non-attendance after the third absence. Students who arrive late or leave early will be listed as tardy. Three tardies is equal to one absence. Arriving late and leaving early is equal to two absences. If the drop or withdraw deadline is missed and the student’s name remains on the role sheet yet the student continues to miss class, the student will be awarded an F or FW (fail or fail due to not withdrawing).

Materials: Purchase one 1-1/2" 3-ring binder with tabs for notes/handouts, assignments, tests and grading sheets. This is so you can stay organized throughout the semester.

Required Supplies:
Supplies: typical drafting supplies – HB, 2H, 4H pencils, velum, architectural scale, triangles, eraser, etc.

Important: Label all of your tools, supplies and textbooks with your name prior to bringing to class since these items may look exactly like supplies owned by other students.

THE SCHEDULE IS SUBJECT TO CHANGE. As much notice will be given as possible should this occur.

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<td>wk-16 5/31 FINAL &amp; 6/2 (PICK UP FINAL)</td>
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Feb. 9  Week 1
Introduction – Prerequisite: ID 101A and ID 101B and ID 110

- Course Content: lecture / lab / reading / written and web research /drafting/problem solving
- Taking notes: Be sure to take notes
- Time management: Be sure to structure your week to complete work in all classes.
- Syllabus: Read before every class. Do not ask me what is on the syllabus.
- If you find an error on the syllabus, bring it to my attention.
- If you neglect to read the syllabus carefully, you will miss important information.
- Print all handouts now, and place them in your binder following the instruction Assignment 1.
- 3 quizzes during the semester. They will consist of true/false, multiple choice, and matching questions from your textbook and will be given on Blackboard to take at home.
- Presentations will be available through PREZI (www.prezi.com/user/dminarsch)
- WESTWEEK 3/23 (WEDNESDAY)
  WE WILL BE USING THE OLD WEBSITE LINK AND THE NEW WEBSITE LINK (I’m in transition)
  Semester project: First ½ of semester mostly lecture and labs for a small residence. Homework will include lots of handout printing, textbook reading, watching Prezi presentations, and reading handouts. Second ½ of semester will be the large house project will less lecture (there will be some lectures but short ones) and LOTS OF LABS. The second and main project will be a team project. Each student will remodel the one, and the best project from the team will be the major project that will be developed for the final. Homework will consist of very fast project synthesis (design).
- LASTLY: Your perception of the class coming in and the actual class (what is true and what is false information/perception)

HOMEWORK
Measure your bedroom documenting horizontal, and vertical measurements.
  - Be sure to write measurement carefully.
  Bring to next class and exchange with another student and redraw.
  PRINT: Website Handouts  SEE HANDOUTS LINK ON OLD WEBSITE (print them all now and place in your binder for future reading)

READ
Gordon:
  - Chapter 1 add 2
  - Building Code Occupancy (find in the online handouts)
  - Lifecycles handout from online (to be discussed at next class)
  - Design Development – Design Services

Feb. 11 Lecture:

- Prezi: 207 – 1 – Fundamentals of Housing
- Prezi: 201 – 2 – Recording Devices

Break
Lab: exchange your room measurements with another student and redraw to scale.
Review:
  - Assignment 1 - Semester Binder – DUE Feb. 18

HOMEWORK:
Complete Assignment 1

READ: The Evolution of Exteriors
Life Cycles
Building Codes for R-3 Construction
  - This is a very important handout when you start to design projects.

Feb. 16 Week 2 Lecture: The Design Process
The Design Process – has 5 Phases (Based on CID Exam)
Phase 1: Programming

| SCHEDULE (Subject to change at instructors discretion as necessary) |
- Information gathering
- Client interview
- Job site visits
- Measuring site
- FF&E (inventory of existing furniture, fixtures and equipment to keep)
- Value engineering (cost of renovation or construction versus value compared to other homes in area)
- Visual imaging
- Project schedules

**Phase 2: Schematic Design**
- Schematic means to get it down on paper
- Written concepts
- Adjacency matrices
- Bubble diagrams
- Preliminary floor plans
- Preliminary FF & E schedules
- Design sketches
- After you complete phase two, get the client to sign off on the design

**Phase 3: Design Development** (can move into this phase because the client has signed off and accepted the design)
- FF & E specifications (open/closed/or equal/propriety/descriptive/ etc)
- Elevations
- Final Space Plan
- Final Furniture Plan
- Working Drawings
- Presentation Graphics (sections, lighting plans, elevations, boards)
- Project budget (it’s constantly being revised)
- Client sign-offs

**Phase 4: Contract documents**

**Phase 5: Contract administration**

This class will consist of the first two design phases and parts of design phase 3

**Break**

**Lab:** Semester client information (either Briggs house)
- Review setbacks required for front, side and back yards which are different from the drawing handouts (front 35 feet, sides 35 feet, back 40 feet)

**HOMEWORK:**
- Briggs House 1
- Briggs House 2
- Briggs House 3
- Briggs House 4

Print all four and tape together and start to study the floor plan

| Feb. 18 | Due: Assignment 1 – Binder | 10 points |

**Lecture**

Phase 1 – Analysis – (Commit – State)
- Interviewing

Review: Assignment 2 – Problem Statement [due Feb. 25]

Problem Statement examples
- Example 1
- Example 2
- Example

**Break**

Lecture: PREZI 207 – 3 – Case Study and critique with students

**HOMEWORK: READ:**
- Gordon: Chapter 2 Single-Family Detached Homes: The American Dream, A New Model
- Gordon: Chapter 3 Attached Townhouses
- Gordon: Chapter 4 Remodeling and Adaptive Reuse: The Sustainable Alternative
- Nielson: Chapter.15 Review only HOUSE EXTERIORS
- Nielson: Chapter.1 pg.5-16 (pages depend on edition)
Feb. 23 Week 3
Review Apartment/Tiny House/Guest Cottage Problem Statement 1, 2, and 3.
Student select your project.
Break
(Imagine you submitted the problem statement to client, and the client signed your contract).
Phase 1: ANALYSIS: Programming (decide on room sizes)
- Client interview (know your clients wants and needs-intensive interview)
  - See Fact Finding Sheet Handout
  - Information gathering (security needs, environmental needs)
- Job site visits (throughout the project and factored into fees)
  - Obtain any architectural plans
- Measuring site, recording orientation, views, privacy from neighbors.
  - Determine space and equipment requirements
  - Conduct financial feasibility study (identify setbacks, building code, CC&R requirements)
- Inventory and measure existing items to reuse (FF&E Record, measure, photograph, and take inventory of
  existing furniture, fixtures and equipment you and your client want to use)
- Visual imaging (look around, what do you see, record)
- Determine lighting or audio visual needs
- Evaluate and determine long term strategy plan
- Value engineering (cost of renovation or construction versus value compared to other homes in area)

HOMEWORK:
Write problem statement…due at the beginning of the next class.
READ:
- Human Factors and Special Populations (notes under handouts online)

Feb. 25
Due: Assignment 2 Problem Statement for Apartment/Tiny House/Guest House due
Lecture: Writing a Concept Statement - Assignment 3 Due one week from today
- Review examples of Concept Statements
Break
Lab: write Concept Statement
Complete Concept Statement (use TLC lab to help with any corrections, sentence structure, and paragraph writing)

HOMEWORK READ:
- Adjacency Matrix Sample
- Adjacency Matrix worksheet

WATCH:
- Prezi: 207-4 Housing Types and Styles

March 1 Week 4
Lecture:
Fact Finding Sheet (student to find a person to interview for apartment)
Lab:
Break during lab as needed
Complete the fact finding sheet using the problem statement, and the house plan, setbacks for space options to help
answer questions. The house is in Old Pasadena, a beautiful upscale residential neighborhood with schools close by.

HOMEWORK:
- Gordon Ch. 1 page 20-22 (Residential Checklist) which is an alternative option to my handout
PRINT (if you have not already printed)
- Ballast human factors visuals 1 and 2
- How to Start the Process of Fact Finding
- Collect and Research Checklist
- Collect and Research Sample
• Fact Finding Sheet
• Human Factors and Special Populations
• Concept Statement (see student samples online)

**March 3**
Lecture: Assignment 3 - Writing a Concept Statement  
Due March 8
See Concept Statement handout samples
Break
Lab:
Write Concept Statement for the apartment/tiny house/cottage

**HOMEWORK: READ**
Nielson: Ch. 1, pg.17-21, Ch. 6 pg. 125-140, Ch. 7 pg. 170-173
• Social Zone lecture from handouts
• Private Zones lecture from handouts
• Work Zones lecture from handouts
• Gordon: Ch. 5 and 6 - Kitchens and Bathrooms

**March 8 Week 5 Assignment 3 due Concept Statement**  
10 points
Lecture: Interior Zoning, Circulation and Storage, and Adjacency Studies
Break
Lab: Assignment 4 - Adjacency Matrix on for the renovation project  
Due next class meeting
Review for Quiz 1

**HOMEWORK**
• Complete Assignment 4 Matrix  
Due next class March 10
• Use Adjacency Study handout Matrix and complete

Take Blackboard Quiz 3/11 any time between 6:00 pm and 10:00 pm  
15 questions on reading and lecture
YOU HAVE 30 MINUTES

**March 10**  
Assignment 4 due (Matrix)  
10 points
Lecture: Program
Break
Lab: Program for Apartment/Tiny house/Cottage – Assignment 5

**HOMEWORK**
Complete Program
Print Handouts:
• Bubble Diagram

**March 15 Week 6**  
Due Assignment 5
Lecture: Phase II Synthesis (this is the time to use multiple color markers for placing your zones, circulation, and a black thick marker for wall layout)
Use the program, the adjacent matrix, and the fact sheet to develop the bubble diagram
• Bubble Diagram, developed into Block Diagram – make sure you consider placement on the property
• Layout your kitchen – place cabinets – work in increments of 12” 18” 24” 30” 32” 36” for base and upper cabinets
• Assignment 7 – Trash Pack: The trash pack is simply all of the rough ideation (sketching) that you would normally throw into the trash, but in this case, you will keep those sheets, organize them as shown in the visuals link, put a cover on the front and back and turn in for grading at the end of the semester.

**HOMEWORK**
Complete Block Diagram, Draw in walls, and all rooms

**March 17**
Lecture: How to build the model  
10 points
• What is a Study Model and how to prepare a study model once your synthesis is complete
  ▪ Supplies
o Foam core
o Plexy glass (optional)
o Balsa wood (optional)
o Plastic (optional)
o Exacto
o Scale (model in 1/4” scale)
o Spray mount
o Tacky glue
o Hat pins
o Print floor plan to scale (1/4” scale)
o Spray mount your floor plan on 1/2” thick foam core
o Build your walls
o Show stair location if renovation is 2-story (this only applies to your final project)
o If there is a second floor, you must be able to remove it
o The roof is optional
o See samples online

Lab: Continue working on floor plan
Midterm project: floor plan, and model due March 22

HOMEWORK
- Finish floor plan - furnish
- Complete the model of the floor plan
- Study Model

March 22 Week 7  Due Midterm – Apartment/ Tiny Home/ Cottage

Critique
Break
Lecture: Read Briggs Problem Statements and student select their project
Lab: House _ Print and tape house parts together. Outline setbacks.

HOMEWORK:
Write Problem Statement  Due March 29
Write Concept Statement: Due March 29

March 23  WEDNESDAY
WESTWEEK FIELD TRIP. ARRIVE AT THE FOUNT DESK AT THE PACIFIC DESIGN CENTER BY 9:15 AM.
Pacific Design Center
8687 Melrose Ave., West Hollywood, CA 90069
310-657-0800
http://www.pacificdesigncenter.com
Cost to park is about $12.00 for the day. Students in cars can share cost to park, and donate to driver for gas cost.

March 29 Week 8  Problem Statement and Concept Statement Due
Lecture: Review all the steps for the first part of the semester to be repeated.
Break
Lab: Fact finding Matrix (complete)
- Adjacency Matrix Sample  due March 31
- Start your Program

HOMEWORK:
Complete Adjacency Matrix – Due next class

March 31  Due: Adjacency Matrix due
Lecture: Stairs, Fireplaces, Dimensioning,
- Fireplaces (Prezi 5)
- Stairway design, handrails and codes (Prezi 6)
Break
• Interior Dimensioning
• Reflective Ceiling Plan Prezi 8

HOMEWORK:
Complete Program – Due April 12

SPRING BREAK 4/4 - 4/10

April 12 Week 9
Due: Program
Assignment 6: Synthesis
• Use the program, the adjacency matrix, and the fact finding sheet to develop the bubble diagram
Lab: Bubble Diagram, followed by block diagram to preliminary design to completed design (all part of synthesis)
• From the block diagram, develop and floor plan
• Draw bubble diagram on flimsy over the existing floor plan where you should do your best to work around the existing plumbing (saves heaps of money)
• Think of furniture placement, circulation, ventilation, window sizes as you lay out your rooms
• Continue to develop into block diagram over the existing floor plan (don’t remove any walls yet and just show the new walls in thick felt tip pen until the next class where “demolition plans” will be discussed)
• Use your “mind’s eye” (means you need to visualize your ideas)
• Assignment 7 – FINAL Trash pack – Go to “visuals” and open “Visual Aids for Synthesis” due with final – review it often
OR http://www.canyons.edu/Faculty/minarschd/1D207/Visuals/Visuals%20program%20and%20synthesis.htm

HOMEWORK:
Complete the block diagram and develop into a floor plan – rough at this point until instructor critiques
Use your Time Saver Standards for Interior Design, textbook as much as possible.

April 14
Lecture:
• Demo Plan
• Millwork Prezi 9
Break
• Cross Section for presentation
Lab: continue to develop your floor plan

HOMEWORK:
Continue to develop your floor plan
Prepare for your preliminary review: Floor plan, kitchen design, bathroom design

April 19 Week 10
Lab: continue to develop your floor plan
• Layout your kitchen – place cabinets – work in increments of 12” 18” 24” 30” 32” 36” for base and upper cabinets
• Kitchen and Bath design and presentation drawings in rough form.
• Refer to Time Saver Standards for a variety of options for kitchen and bath space planning options

HOMEWORK: prepare for your preliminary presentation starting – Watch Prezi 7 (sample student presentations)
Preliminary schedules  NOTHING IS TO BE MOUNTED AT THIS POINT
• APRIL 21
  o Group 3 (Tari, Miranda, Vanessa, Sam, Rachel, Jen, Kathrin, Luisa, Sarah)
• April 26
  o Group 1 (Anissa, Ashley, Sabrina, Brittany, Kathy, Caroline, Erica, Latoya)
• April 28
  o Group 2 (Gennine, Christian, Brittney, Makenna, Molly, Juana)
• Demo Plan
• Floor Plan
• Reflective Ceiling plan

SCHEDULE (Subject to change at instructors discretion as necessary)
- Kitchen Elevations in ½” scale for elevations
- Millwork drawing of one built in. It is to include:
  - Top, side and front view in 1/2” scale
  - Dimensions
  - Redrawn in Axonometric view but without dimensions (for your presentation board)
- Cross Section Drawing/axonometric drawing (drawing only for preliminary, but inked and colored for final)

| April 21 | Lab: Continue to work on items for preliminary presentation  
Group 3 present preliminary presentation |
| April 26 | Week 11  
Lab: Continue to work on items for preliminary presentation  
Group 2 present preliminary presentation |
| April 28 | Lab: Continue to work on items for preliminary presentation  
Group 2 present preliminary presentation  
**HOMEWORK:** Blackboard quiz from home QUIZ 2–BLACKBOARD – 15 POINTS 28th 6pm to 29th 6pm |
| May 3 | Week 12  
Finalize your presentations – Including presentation boards – no more than four boards total  
- Make sure your boards are unified so they tie together.  
- Place your name on the FIRST board.  
- Title your boards  
- Your concept statement must be placed on your first board  
- Check that the concept statement is grammatically correct with no spelling errors (go to the TLC lab) |
| May 5 | Finalize your presentations – Including presentation boards – no more than four boards total  
- Make sure your boards are unified so they tie together.  
- Place your name on the FIRST board.  
- Title your boards  
- Your concept statement must be placed on your first board  
- Check that the concept statement is grammatically correct with no spelling errors (go to the TLC lab) |
| May 10 | Week 13  
Finalize your presentations – Including presentation boards – no more than four boards total  
- Make sure your boards are unified so they tie together.  
- Place your name on the FIRST board.  
- Title your boards  
- Your concept statement must be placed on your first board  
- Check that the concept statement is grammatically correct with no spelling errors (go to the TLC lab) |
| May 12 | Finalize your presentations – Including presentation boards – no more than four boards total  
- Make sure your boards are unified so they tie together.  
- Place your name on the FIRST board.  
- Title your boards  
- Your concept statement must be placed on your first board  
- Check that the concept statement is grammatically correct with no spelling errors (go to the TLC lab) |
| May 17 | Week 14  
Study Model (worth 50 pts) |
| **May 19** |  |
| Study Model (worth 50 pts) |  |

| **May 24 Week 15** |  |
| Finalize your presentations – Including presentation boards – no more than four boards total |  |

| **May 26** |  |
| Finalize your presentations – Including presentation boards – no more than four boards total |  |

**HOMEWORK**

Student groups meet to rehearse your presentation before your final critique. You will be given 15 minutes. Don’t spend a lot of time on one thing and miss something else that is very important. Remember, your client is already familiar with design based on the preliminary presentation. Don’t spend time stating the “obvious” on the boards. Don’t read the concept statement; just be sure it’s short, to the point, descriptive and correctly written. Give yourself 10 minutes to present and 5 minutes for questions.

| **May 31 Week 16** |  |
| Final Presentation due |  |

Your presentation will be limited to 15 minutes, which includes time for Q and A.

| **June 2** |  |
| Pick up your projects |  |