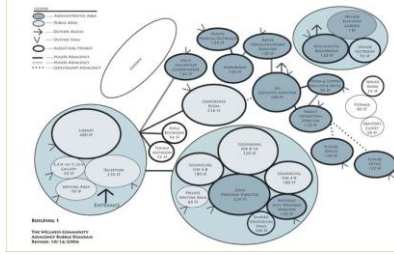


# SYLLABUS PROGRAMMING & SPACE PLANNING



[www.healthcaredesignmagazine.com](http://www.healthcaredesignmagazine.com) <http://www.spaceplanning.com>



## COURSE INFO.

Eiben Hall 104  
M/W 1:30 - 4:20 pm  
Office: Eiben 208 T: 739-8590

## INSTRUCTOR INFO.

Marga Jann, AIA, RIBA, DPUC, NCARB  
[marga.jann@gmail.com](mailto:marga.jann@gmail.com) / [marga.jann@chaminade.edu](mailto:marga.jann@chaminade.edu)  
Office Hours: M/W 8:30-9:20 or by appointment

**Programming:** The research and decision-making process that identifies the scope of work to be designed. ([http://www.wbdg.org/design/dd\\_archprogramming.php](http://www.wbdg.org/design/dd_archprogramming.php))

**Space Planning:** Configuring the interior of a building for the optimum use of interior spaces in order to meet the needs of the owner or occupant.

(<http://financialdictionary.thefreedictionary.com/space+planning>)

## TEXTS

### **PROGRAMMING FOR DESIGN: FROM THEORY TO PRACTICE**

Edith Cherry (1999); Wiley

### **PROBLEM SEEKING: An Architectural Programming Primer**

Pena & Parshall; Wiley; ISBN: 978-0-471-12620-1

### **SPACE PLANNING BASICS**

Mark Karlen 3<sup>RD</sup> Edition (2009) Wiley; ISBN : 978-0-470-23178-4

## REQUIRED READING/RESOURCE

### **THE HIDDEN DIMENSION**

Edward T. Hall (1969)

### **CODES GUIDEBOOK FOR INTERIORS**

Harmon & Kennon (5<sup>th</sup> Edition); Wiley; ISBN: 978-0-470-59210-6

### **GRAPHIC STANDARDS**

McGowan & Kruse (2004) Paperback; Wiley; ISBN: 978-0-471-46196-8

### **CODE OF FEDERAL REGULATIONS**

Dept. of Justice/28 CFR Part 36 To Order Call: 1-800-514-0301

Or

### **POCKET GUIDE TO THE ADA**

Evan Terry Associates; Wiley; ISBN: 978-0-470-10870-3

## RECOMMENDED SUPPLEMENTS

### **ARCHITECTURAL GRAPHIC STANDARDS for INTERIOR DESIGNERS**

### **TIMESAVER STANDARDS**

### **2009 IBC CODE BOOK**

### **ID & Architecture Journals**

## PROJECT VIDEO LINKS:

<http://vimeo.com/44083157>

<http://vimeo.com/44081897>

"Change is just one step away" Texas Bar closes!

"Breaking down the walls" Wahiawa

## **FUN / USEFUL WEB LINKS**

<http://web.ku.edu/~itech/index.html>

<http://designerspeak.com/space-planning-101.html>

<http://www.interior-design-tutor.net/interior-space-planning.html>

[http://www.statelibrary.sc.gov/docs/Facility/space\\_planning\\_guide.pdf](http://www.statelibrary.sc.gov/docs/Facility/space_planning_guide.pdf)

<http://freshome.com/2010/08/18/10-best-free-online-virtual-room-programs-and-tools/>

<http://www.admin.state.mn.us/recs/sms/cg.pdf>

<http://lbre.stanford.edu/sem/sites/all/lbre->

[shared/files/docs\\_public/DCPSM\\_SpaceandFurniturePlanningGuidelines\\_v3\\_April\\_2009.pdf](http://lbre.stanford.edu/sem/sites/all/lbre-shared/files/docs_public/DCPSM_SpaceandFurniturePlanningGuidelines_v3_April_2009.pdf)

## **COURSE DESCRIPTION**

Study of the PROCESS of designing an environment beginning with Program analysis and moving to the synthesis of information resulting in a comprehensive Space Plan and support documentation. The process guides students through information gathering and organization, as well as problem identification, providing a framework for problem solving and design decision-making.

Research and application of building and fire codes, universal design concepts (including ADA standards) and human factors relative to the designed environment address health, safety and welfare issues, integral to best design practices. Through structured exercises and projects, students create commercial and/or residential environments, which fulfill client-generated requirements with creative, innovative and environmentally conscious design solutions. The main (“live”) project will be a service-learning two-story office design for *Surfing the Nations* (<http://surfingthenations.com/>) in Wahaiwa.

Through the use of texts, lectures, exercises and project development, students will demonstrate:

- the ability to work in teams, being accountable and methodical in sharing of information, research and design ideas and strategies (PO 1; C 5)
- an understanding and appropriate use of industry-related vocabulary (PO 3; C4)
- the ability to research, gather and organize project type and contextual information and synthesize the information to identify the problem/challenge areas unique to the client/project at hand (PO 2; C4)
- an understanding of programming strategies, critical thinking and goal identification by prioritizing problems/challenges and related design decisions and executing accurate documentation to support design decisions (PO 2, 3; C 4)
- an overall understanding of the design process and an ability to organize and execute appropriate documentation for a project from programming through preliminary/conceptual design (PO 1, 2, 5; C4, 6)
- an understanding of pertinent code and health, safety and welfare information relative to the project type (PO 4; C 12, 14)
- an understanding of interaction of the built environment and the end-users through appropriate proxemic, proportional and ergonomic relationships, as well as application of universal design principles in best design practices (PO 4; C 3, 12, 14)
- the ability to develop a preliminary presentation that clearly and cohesively expresses the design concept and is justified by addressing the identified challenges through creative problem-solving (PO 5; C4, 6)

## **SUPPLIES:**

All standard drafting supplies

(1) 1” Binder (Codes) with Dividers

(1) 2” Binder (Program Info) with Dividers

(1) 6” roll of tracing paper

(1) 18” or 24” roll tracing paper

(1) 2” diam. (minimum) x 30” tube (for plan set)

(1) pad/pkg - 8 1/2” x 11” Grid Paper (1/4” scale)

Sharpie markers – medium point (black & 4 other colors min.); sharpie color fine point - optional

## COURSE REQUIREMENTS & EXPECTATIONS

- **You MUST be registered and have an active LIVETEXT account.**
- Required textbook selections, recommended texts and resource support materials are intended to support and enhance your understanding of the subject matter. Required text material may be covered on exams. More importantly, the texts enhance your ability to communicate in all areas of design and related fields/activities.
- **Be resourceful** using texts, professional journals and magazines, building and design standards, applicable codes and professional and industry experts. Assignments may include (and are not limited to) outside research, class presentation of information and skills application. Student participation in class activities is required.
- All **written work** is to be typed or printed via computer (or LiveText when applicable) in a simple font style (no < 11 pt.) and double-spaced. Identify each page with designer's name, date, class (ID 321) and semester/year. Staple multiple pages.
- **Binders** are to have ALL proper identification on front outside cover and spine – corporate identity, designer's name, project, class (ID 321) and semester/year.
- **Presentation boards** are to display **project title** on the front. Designer's personal information, course information and project explanation/concept statement appear on the back, unless otherwise stipulated.
- All handed-in **Documents, Exercises, Project & Presentation Materials**, and **Tubes** are to be clearly labeled with designer's name, project, class (ID 321) and semester/year.
- Assignments/projects are **due on the date assigned**. Points will be deducted from your score for each day the assignment is late (see CUH-ID Code of Conduct). Projects will be graded by the instructor and returned to the student with an evaluation (when appropriate).
- Peer, faculty and industry professional **evaluations/assessments** may occur at any time.
- **Attendance** in class is mandatory and is Chaminade University's Policy. Two (2) consecutive unexcused absences or four (4) cumulative unexcused absences will elicit a deficiency report submitted to the Registrar and may result in a failing grade.(see CUH-ID Code of Conduct)
- Students are expected to attend **studio work days, site visits, guest speakers and presentations** unless otherwise stipulated by the instructor. Unexcused absences will affect your overall grade. (see CUH-ID Code of Conduct)
- **Studios** are open for project work any time classes are not in session. After-hours use (hours TBD) is possible by contacting Security and presenting your student identification.
- **Absences on exam days** due to illness will only be excused with proper medical verification. See instructor to make up the examination **before** the next class meeting.
- **ADA needs** (initiated by student) can be accommodated through the CUH Counseling Center (written request) upon approval by the Associate Provost.
- Please see CUH Student Handbook for additional CUH policies and the University's Code of Conduct.

## CUH-ID CODE OF ETHICS

[..\ADMIN-jdr\ID PROGRAM-RELATED INFO\ID Code of Conduct 1.14.12.pdf](#)

## GRADING

- **A = 100-90%; B = 89-80%; C = 79-70%; D = 69-60%; F = < 60%**
- Team Project (if req'd), Quizzes, Exercises & Final Exam: **50%** Semester Project: **50%**
- If grade(s) fall below 70%, **Deficiency Reports** are sent to the registrar and your advisor
- A **2.0 GPA** is required for students admitted to the CUH-ID Program

*n.b. Course content and scheduling are subject to change at the instructor's discretion in the interest of sound pedagogy.*



WK	UNIT or CHAPTER	MTG DATE	ASSIGNMENT	NOTES
1	Introductions	MON Aug 27	<b>INFO CARD; SELF-ASSESSMENT; PRE-TEST</b> <b>EXERCISE 1 – THE HIDDEN DIMENSION (Hall)</b> <b>EXERCISE 2 – SPRING GLEANING</b> (Bibles needed)	<b>DUE: Wed Sept 26</b> Begun In-Class; reflections for Wed Aug 29
	<b>UNITS 1 &amp; 2</b> Cherry 1 & 2	W Aug 29  F Aug 31	<b>INTRODUCTION</b> <b>THINK ABOUT THINKING</b> <b>DUE: Spring Gleaning – Creative Project &amp; Class Discussion</b> <b>EXERCISE 3 – SYSTEMS FURNITURE RESEARCH/MODEL</b> Determine assignments; begin research <b>Friday Lunchtime ID Assembly MANDATORY (STN Façade Study/Distribution)</b>	Group work In-Class (30-45 min)  <b>DUE: Monday Sept 10</b>  <b>Friday Aug 31 Lunchtime ID Assembly MANDATORY 12:30-1:30</b>
2		M Sept 3	<b>LABOR DAY – no class</b>	
		W Sept 5 F Sept 7	<b>INTRODUCTION – SEMESTER PROJECT, CLIENT VISIT</b> <b>(STN Site Visit: Saturday Sept 8)</b>	<b>STN Site Visit: Saturday Sept 8<sup>th</sup> 9-1;</b> <b>Appliance Seminar @ Ferguson 2-3</b> <b>(refreshments!)</b>  <b>Façade Studies due Friday Sept 7</b>
3		M Sept 10	<b>DUE: Systems Furniture Presentation</b> (15 min ea) <b>EXERCISE 4 – PROTOTYPES</b> <b>SULLIVAN LIBRARY RESEARCH TOUR</b> (+/- 1 hr; tentative) Continue Research for Systems Furniture & <b>IN-CLASS WORKDAY</b> Systems Furniture On-Site Research &/or Model Construction	<b>DUE: end of the Semester</b> (with interim graded reviews) <b>DUE: at Mid-Term Exam</b>
	<b>UNIT 3</b> Cherry 3 & 4	W Sept 12	<b>CLIENTS</b> <b>RESEARCHING THE CLIENT BACKGROUND</b> <b>PROTOTYPES EXERC./PRECEDENT STUDIES - CONCEPT, PURPOSE, IMPLEMENTATION</b>	
4	<b>UNIT 4</b> Cherry 5 & 6	M Sept 17	<b>GOALS &amp; OBJECTIVES</b> <b>INFO. GATHERING &amp; ANALYSIS</b> Research & Questionnaire Development	
		W Sept 19	<b>QUIZ – UNITS 1 – 4 (Chapters 1-6)</b> <b>IN-CLASS WORK DAY/GUEST SPEAKER/SITE VISIT</b> SPEAKER TBD	e.g. Systems Center, Office Pavilion, Interior Showplace, Senetics
5	<b>UNIT 5</b> Cherry 7 & 9	M Sept 24	<b>QUANTITATIVE REQUIREMENTS</b> <b>EXERCISE 5 – QUANTITATIVE MEASUREMENTS</b> <b>IN-CLASS WORK DAY/GUEST SPEAKER/SITE VISIT</b>	<b>IBC HANDOUTS</b> – Students to review By Oct 3 <b>DUE at Mid-Term Exam</b>
	<b>UNIT 6</b> Cherry 9	W Sept 26	<b>COST ESTIMATES &amp; PROBLEM STATEMENT</b> <b>EXERCISE 6 – COST ESTIMATES &amp; PROBLEM STMT DEV.</b> <b>DUE: Book Review</b>	<b>DUE at Mid-Term Exam</b>
6		M Oct 1	<b>IN-CLASS WORK DAY</b>	
		W Oct 3  M	<b>IN-CLASS WORK DAY/GUEST SPEAKER/SITE VISIT</b> ACT Boards – Organization of Program Information	

## PROGRAMMING & SPACE PLANNING CALENDAR

**FALL 2012**  
**M/W 1:30-4:20 Eiben 104**

7		Oct 8 HOLIDAY	<b>HOLIDAY (Discoverers' Day ~ No classes, offices closed)</b>	
	<b>UNIT 7A, B</b> Karlen 1-5  <b>Pass out CODES – put in binder &amp; review for Mon Oct 15</b>	W Oct 10	<b>7A- SPACE PLANNING FIRST PLANNING STEPS</b> Shell-free Bubble Diagrams <b>EXERCISE 7A– BUBBLE/ADJACENCY DIAGRAMS</b> (3 minimum) <b>(DUE: Oct 15)</b> <b>EXERCISE 7B – PROTOTYPES (DUE for REVIEW: Oct 17; DUE for GRADE in Program Binder @ Mid-Term Exam)</b>  <b>7B – FACTORS EFFECTING SPACE PLANNING</b> <b>IN-CLASS WORK DAY</b> -Finalization of Programming information & begin Space Planning - Matrices & Bubbles	<b>DUE at Mid-Term Exam</b>  <b>TUESDAY – Oct 16 (TENTATIVE, REQUIRED)</b> <b>GUEST SPEAKER TBD</b> 12:30-1:20 [or possible site visit to Pacific Home Furnishings, Pearl City]
8	<b>UNIT 7C</b> Karlen 1-5 <b>UNIT 8A</b> Karlen 6  <b>CAD FLOOR PLAN SHELL</b>	M Oct 15	<b>7C – SYSTEMS INFLUENCING SPACE PLANNING</b>  <b>8A - DEVELOPING A ROUGH FLOOR PLAN (samples)</b> Bubbles in Shell; Circulation & Plumbing; Major Spaces & Basic Spaces <b>EXERCISE 6B – SFN various</b> Qualitative & Fit-Up Cost Calculations <b>(due @ Mid-Term)</b>	<b>REVIEW on Oct 22 &amp; 24</b> <b>THURSDAY – Oct 18 (TENTATIVE, REQUIRED)</b> <b>TBD</b> 12:30-1:20 Eiben 209 BYOL
	<b>UNIT 8B</b> Karlen 6	W Oct 17	<b>DUE for REVIEW: EXERCISE 7 – PROTOTYPES</b>  <b>8B – CODES</b> <b>EXERCISE 8 – ASSEMBLY CODES EXERCISE [Team Work]</b> <b>(DUE: @ Mid-Term Exam)</b>	
9		M Oct 22	<b>REVIEW:</b> Bubbles in Shell; Circulation & Plumbing; Major Spaces & Basic Spaces  <b>12:00-1:00 Benjamin Moore Paint &amp; Lunch Seminar E209 (Tentative)</b>	<b>Review #1:</b> Matrices, Bubble Diagrams, Scaled Shell, Bubbles in Shell
		W Oct 24	<b>REVIEW:</b> Bubbles in Shell; Circulation & Plumbing; Major Spaces & Basic Spaces <b>IN-CLASS WORK DAY</b> Furniture, Filing & Storage & Finalize ROUGH Floor Plan	<b>Review cont...</b>
10		M Oct 29	<b>IN-CLASS WORK DAY</b> Furniture, Filing & Storage & Finalize ROUGH Floor Plan	
		W Oct 31	<b>IN-CLASS WORK DAY</b> Furniture, Filing & Storage & Finalize ROUGH Floor Plan	
11		M Nov 5	<b>REVIEW:</b> Furniture, Filing & Storage & Finalize ROUGH Floor Plan <b>IN-CLASS WORK DAY</b> Furniture, Filing & Storage & Finalize ROUGH Floor Plan	<b>Review #2</b>
		W Nov 7	<b>MID-TERM EXAM – taken in class</b> <b>DUE: Programming Binder, Prototypes &amp; Exercises</b>	
12		M Nov 12	<b>HOLIDAY (Veterans' Day ~ No classes, offices closed)</b>	

## PROGRAMMING & SPACE PLANNING CALENDAR

**FALL 2012**  
**M/W 1:30-4:20 Eiben 104**

		HOLIDAY		
	<b>UNIT 8A,B</b> Karlen 6 Botti-Salitski 7-10	W Nov 14	<b>REFLECTED CEILING &amp; ELECTRICAL PLANS</b> RCP; Electrical - Coordinate with furniture plan	Interfaith Thanksgiving Services at noon (Offices closed from noon-1:00pm) LIGHTING EMPHASIS
13		M Nov 19	<b>IN-CLASS WORK DAY</b> ROUGH Floor Plan & RCP/Electrical	
		W Nov 21	<b>IN-CLASS WORK DAY</b> ROUGH Floor Plan & RCP/Electrical	(Thanksgiving Recess Nov 22-23, Th/F)
14		M Nov 26	<b>REVIEW:</b> Rough Floor Plan & RCP & Electrical Overlays <b>IN-CLASS WORK DAY</b> Wayfinding; Finalize Design Concept & Space Plan	<b>Review #3:</b> Rough Floor Plan & RCP/Electrical
		W Nov 28	<b>IN-CLASS WORK DAY</b> Wayfinding; Finalize Design Concept & Space Plan	
15		M Dec 3	<b>IN-CLASS WORK DAY</b> Finalize Design Concept & Space Plan	
		W Dec 5	<b>IN-CLASS WORK DAY</b> Presentation Renderings, Doc's, etc.	
16		M Dec 10 & W Dec 12	<b>FINALS WEEK DEC 10-13</b> <b>Mon, Dec 10 1:30 - 3:30 Presentations</b> <b>Wed, Dec 12 1:30 - 3:30 Presentations</b>	<b>FINAL REVIEW</b>

*n.b. Course content and scheduling are subject to change at the instructor's discretion in the interest of sound pedagogy.*

*You will find readings from **PROGRAMMING FOR DESIGN: FROM THEORY TO PRACTICE** most helpful; students are expected to be reading/researching from required and recommended texts and web resources throughout the term.*