

Class hours: MW 3:30 – 5:20  
Office hours: MWF 12:30 – 1:30

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## **COURSE DESCRIPTION**

### EID 321 Programming & Space Planning (4cr)

This course explores the 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 design commercial and/or residential environments, which fulfill client-generated requirements with creative, innovative and environmentally conscious design solutions.

## **CLASS FORMAT**

This class will be the combination of lectures and a number of exercises, culminating in NEXT University design project. This course focuses on how to interpret, integrate and implement research into each step of design process. You are expected to have research-informed reasoning and rationale to your every design decision. You are required to make connection from either quantitative or qualitative data to visual information system that leads to programming and space planning.

In-class participation and collaboration is essential. A crucial aspect of any design endeavor is the ability to present your own work in an articulate and coherent manner, both verbally and visually. To that end, the exchange of ideas and feedback from peers, faculties, professionals and public will be invaluable to your progress, as well as help you to develop critical thinking skills. Projects will be worked on in and out of class, during which we will have private or group critiques and presentations. You are required to have all your supplies available for every class, as we will work on your design projects after each lecture.

## **REQUIRED TEXTS**

<i>PROGRAMMING FOR DESIGN</i>	ISBN: 0-471-19645-2	Edith Cherry	Wiley
<i>PROBLEM SEEKING</i>	ISBN: 978-0-471-12620-1	Pena & Parshall	Wiley, 4 <sup>th</sup> Ed
<i>SPACE PLANNING BASICS</i>	ISBN: 978-0-470-23178-4	Mark Karlen 3 <sup>RD</sup> Ed	Wiley, 3 <sup>rd</sup> Ed
<i>THE HIDDEN DIMENSION</i>	ISBN: 978-0-470-59210-6	Edward T. Hall (1969)	
<i>CODES GUIDEBOOK FOR INTERIORS</i>	ISBN: 978-0-470-59209-0	Harmon & Kennon	Wiley, 5 <sup>th</sup> Ed
<i>INTERIOR GRAPHIC STANDARDS</i>	ISBN: 978-0-471-46196-8	McGowan & Kruse (2004)	
<i>ILLUSTRATED CODES for DESIGNERS</i>	ISBN: 978-1-60901-121-5	Katherine S. Ankerson (CD Rom)	
<i>2010 ADAAG GUIDELINES</i>	PDF downloadable		
<i>SKETCH JOURNAL</i>	Student Choice of Format		

## REQUIRED SUPPLIES

All standard drafting supplies; office & home furniture & plumbing templates (1/4" & 1/8" scale)  
(1) Sketch Journal- will be submitted (& graded) at review sessions and at the end of the semester  
(1) 2" Binder (Programming Info & Codes) with Section Dividers  
(1) Pad/pkg - 8 1/2" x 11" Grid Paper (1/4" scale)  
(1) Measuring tape (25' min)  
(1) 6" roll of tracing paper  
(1) 18" or 24" roll tracing paper (optional)  
Sharpie markers – medium point (black & 4 other colors min.); sharpie color fine point – optional  
Model-making supplies (materials to be determined by students)

## COURSE EXPECTATIONS & REQUIREMENTS

- **You MUST be registered and have an active LIVETEXT account.**
- Required textbook selections, recommended reading 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 with 11 pt. Identify each page with designer's name, date, class 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 name and course number.
- **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 submitted **Documents, Exercises, Project & Presentation Materials**, and/or **Tubes** are to be clearly labeled with designer's name, project, class 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 (also see CUH-EID 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** 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. (also see CUH-EID Code of Conduct)
- Students are expected to attend all **studio work days, site visits, guest speakers and presentations**. Unexcused absences will affect your overall grade. (also see CUH-EID Code of Conduct)
- **EID Studios are open for EID student project work** any time classes are not in session. Reasonable after-hours use 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 **SILENCE** all electronic devices during class. **TEXTING, FACEBOOKING, PERSONAL INTERNET SURFING** (*other than for this course's research*) during instructional or in-class work time will result in dismissal from class and an unexcused absence recorded.
- Please see CUH Student Handbook for additional CUH policies and the University's Code of Conduct.

## COURSE LEARNING OUTCOMES

Through the studies in this course, students will demonstrate:

**(PO 1; C 5)** the capacity to work in teams; being accountable; methodically sharing information; interdisciplinary interaction; proactive attitude and leadership qualities

**(PO 3; C 4)** appropriate use of industry-related vocabulary

**(PO 2; C 4)** 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

**(PO 2, 3; C 4)** skill development in executing accurate documentation to support design decisions

**(PO 4; C 12, 14)** skill in applying appropriate codes and regulation to the project type, addressing health, safety and welfare project challenges

**(PO 4; C 3, 12, 14)** an understanding of the interaction of the built environment and the end-user through appropriate proxemics, proportional and ergonomic relationships, as well as application of universal design principles in best design practices

**(PO 5; C 4, 6)** skill in developing a comprehensive preliminary design presentation that cohesively expresses the design concept and is justified through creative problem-solving of identified problems/challenges

**(PO 1; C 2; SLO 1, 2, 3)** demonstrate an understanding of the connections between academic work and real-life situations

## GRADING

- A = 100-90%; B = 89-80%; C = 79-70%; D = 69-60%; F = < 60%
- Team Project Portions, Quizzes, Exercises & Mid-term Exam: 50%  
Semester Project: 50%
- Deficiency Reports are sent to the registrar and your advisor
  - if grades fall below 70%
  - if more than 2 unexcused absences occur and/or a consistent pattern of late submission of work occurs (also see EID Code of Conduct)

## EID PROGRAM OUTCOMES

**1 PROFESSIONALISM** – understand, apply and participate in ethical design practices on a personal, project, peer and industry-wide level. *(CIDA 2, 3, 5, 6, 7)*

**2-PROCESS** – ability to identify problems/challenges and demonstrate an understanding of the complete design process from inception to installation, execute documentation supporting design decisions and effect comprehensive, creative, focused and functional design solutions. *(CIDA 4, 6, 9, 10, 11, 12, 13, 14)*

**3-PRINCIPLES & PRIORITIES** – integration of pedagogy, research, historic contexts, theory, and interdisciplinary collaboration to effectively and creatively analyze, evaluate and execute best design practices resulting in functional and aesthetically inspiring design. *(CIDA 2, 3, 4, 5, 6, 8, 9, 10, 12, 13, 14)*

**4-PUBLIC & ENVIRONMENTAL PROTECTION** – demonstrate an understanding of the concepts, resources and implications of design decisions relative to the human interaction, technological impact and ecological balance of the built environment. *(CIDA 2, 3, 4, 7, 8, 10, 11, 12, 13, 14)*

**5-PRESENTATION** – demonstrate ability to communicate design concepts and problem solving justifications through written, oral and a variety of visual media. *(CIDA 2, 3, 4, 6, 7, 8)*

## **COUNCIL FOR INTERIOR DESIGN ACCREDITATION (CIDA) STANDARDS**

**CIDA.1 Mission, Goals & Curriculum:** The interior design program has a mission statement that describes the scope and purpose of the program. Program goals are derived from the mission statement and the curriculum is structured to achieve these goals.

**CIDA.2 Global Context for Design:** Entry-level interior designers have a global view and weigh design decisions within the parameters of ecological, socio-economic and cultural contexts. **(PO 3)**

**CIDA.3 Human Behavior:** The work of interior designers is informed by knowledge of behavioral science and human factors. **(PO 4)**

**CIDA.4 Design Process:** Entry-level interior designers need to apply all aspects of the design process to creative problem-solving. Design process enables designers to identify and explore complex problems and generate creative solutions that support human behavior within the interior environment. **(PO 2, 3)**

**CIDA.5 Collaboration:** Entry-level interior designers engage in multi-disciplinary collaborations and consensus building. **(PO 1, 2)**

**CIDA.6 Communication:** Entry-level interior designers are effective communicators. **(PO 1, 5)**

**CIDA.7 Professionalism and Business Practice:** Entry-level interior designers use ethical and accepted standards of practice, are committed to professional development and the industry, and understand the value of their contribution to the built environment. **(PO 1)**

**CIDA.8 History:** Entry-level interior designers apply knowledge of interiors, architecture, art, and the decorative arts within a historical and cultural context. **(PO 2, 3)**

**CIDA.9 Space and Form:** Entry-level interior designers apply the theories of two- and three-dimensional design, and spatial definition and organization. **(PO 2, 3, 5)**

**CIDA.10 Color and Light:** Entry-level interior designers apply the principles and theories of color and light. **(PO 2, 3, 4, 5)**

**CIDA.11 Furniture, Fixtures, Equipment and Finish Materials:** Entry-level interior designers select and specify furniture, fixtures, equipment and finish materials in interior spaces. **(PO 1, 2)**

**CIDA.12 Environmental Systems and Controls:** Entry-level interior designers use the principles of lighting, acoustics, thermal comfort and indoor air quality to enhance the health, safety, welfare and performance of building occupants. **(PO 4)**

**CIDA.13 Interior Construction and Building Systems:** Entry-level interior designers have knowledge of interior construction and building systems. **(PO 3, 4)**

**CIDA.14 Regulations:** Entry-level interior designers use laws, codes, standards and guideline that impact the design of interior spaces. **(PO 2, 3, 4)**

**CIDA.15 Assessment and Accountability:** The interior design program engages in systematic assessment contributing to ongoing program improvement. Additionally, the program must provide clear, consistent and reliable information about its mission and requirements to the public.

**CIDA.16 Support and Resources:** The interior design program must have a sufficient number of qualified faculty members, as well as adequate administrative support and resources to achieve program goals.

For full document go to: <http://www.accredit-id.org/profstandards.php>