## IND2201 Design Principles for Kitchen and Bath

**Course Description:** A specialized design course for kitchen and baths. Students will learn the basic elements and principles of creating spaces for clients, blending architectural styles, colors and themes with function and purpose.

Laboratory fee (3 hr. lecture)

Prerequisite: ARC2461, IND1200, IND1300

<table>
<thead>
<tr>
<th>Course Competency</th>
<th>Learning Outcomes</th>
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| **Competency 1:** The student will understand the philosophy of design by: | 3. Critical thinking  
4. Information Literacy  
9. Aesthetic / Creative Activities |
| 1. Recognizing the different architectural styles of design. 2. Identifying basic principles of design as they apply to kitchens and baths. 3. Researching the evolution of kitchen and bath design. | |
| **Competency 2:** The student will generate original designs for kitchens and baths by: | 3. Critical thinking  
4. Information Literacy  
8. Computer / Technology Usage  
9. Aesthetic / Creative Activities  
10. Environmental Responsibility |
| 1. Applying basic principles of kitchen and bath layout to given spaces. 2. Applying programming and planning methods for developing kitchen and bath solutions. 3. Generating original scaled drawings of kitchen and bath layouts. 4. Becoming familiar with equipment and materials utilized in kitchens and baths design. 5. Researching and studying ergonomics applied to kitchen and baths. 6. Researching practices of hygiene and food preparation. 7. Creating detailed drawings of cabinetry. | |
| **Competency 3:** The student will utilize the elements and principles of design in kitchens and baths by: | 3. Critical thinking  
4. Information Literacy  
7. Ethical Issues  
9. Aesthetic / Creative Activities  
10. Environmental Responsibility |
| 1. Identifying applicable regulations of access standards and universal design for physically or visually challenged persons. 2. Identifying applicable life-safety standards. 3. Providing accurate equipment, appliances, and fixtures’ dimensions and sizes using different scales shown in drawings. 4. Demonstrating functionality of chosen layouts and design for kitchens and baths. 5. Applying knowledge of architectural structure, plumbing and electricity as constrains and possibilities in designing kitchens and baths. 6. Becoming familiar with plumbing, waste, and air circulation systems in residential and commercial buildings. 7. Demonstrating knowledge of various cultural needs or priorities in food preparation, storage, and sanitation through research. 8. Applying building, fire, and safety |
Competency 4: The student will develop stylistic themes in kitchens and baths by:

| Codes to projects. | 2. Numbers / Data  
|                   | 3. Critical thinking  
|                   | 8. Computer / Technology Usage  
|                   | 9. Aesthetic / Creative Activities |

1. Applying different design philosophies defined by researching design styles.  
2. Coordinating materials, color, equipment, lighting, and finishes to complete a chosen theme.  
3. Creating representative three-dimensional assemblies and two-dimensional drawings of the design solution.  
4. Developing a comprehensive presentation describing the design solution including sketches, diagrams, and final drawings and models.  
5. Conducting verbal presentations of their work.