



“Design for the Future”

2017-2018

Interior Design Scenario

*Written by professional members of the
Interior Design Educators Council (IDEC)*



Client Bio: Anna and Mitch Williams are a married couple in their late 20's. Anna is an engineer and Mitch is a high school teacher. Mitch has recently been diagnosed with multiple sclerosis (MS) and may eventually be in a wheelchair. They were looking for a found a house that they could renovate and apply universal design principles to help make their lives more productive, safe and comfortable. The couple is thinking about having a child in the next five years and want a space that can be converted into a child's room with a minimum of construction. Currently they would like to use this space as an office for Mitch to use when grading papers or Anna if she is working from home. Additionally they are interested in sustainable design and would like their home to apply sustainable living practices. They want something unique, full of potential, fun and ideal for their eclectic taste and changing lifestyle.

As a structural engineer, Anna has become aware of many housing options as she works with architects and interior designers. They have purchased an historic, small Craftsman style house located on the corner of a city lot. The historic home has a square floorplan and a large front porch. The couple understands the project will require a complete interior remodel but they understand the importance of making this a property that can adapt to their changing needs.

This one-story Craftsman style house has street parking for two vehicles, a small front yard and a side yard for a small garden. This side yard can be used for gardening of fresh vegetables during gardening season and should be at least partially screened from the traffic. The backyard is a common area shared with several neighbors.

To help them with this universal design renovation, they have hired you to help them create functional, efficient, universal interior spaces that extend into the outdoor garden spaces.

Scope of Project: Revising the provided house plan and lot, the student designer will:

1. Design and create an efficient, functional interior with multi-purpose spaces defined by the clients.
2. Suggest an outdoor relaxing and gardening space designed for privacy and function.

The clients have requested that if necessary, all interior walls may be removed. The only load bearing walls are the exterior walls. The footprint of the original house, location of existing exterior doors, windows (all except kitchen) and the fireplace will remain in place. If appropriate, any salvaged materials may be reused. The client has provided an existing floor plan, dimensioned plans and a neighborhood plan to help the designer work with the neighborhood context.

The Interior Space: The clients prefer efficient, functional spaces. The couple has an eclectic design taste, and want to include some reference to the original architecture style. The interior spaces should accommodate food preparation, eating, relaxing, working, sleeping and bathing. As a person who is facing some loss of mobility, Mitch understands the importance of improving the food preparation and bathing areas using universal design standards.

- **Architectural Details:** The existing details are typical of a “Craftsman” house. Windows are 30” AFF (above finished floor) The width of the windows is 36” and the window style is to be determined by the student designer. The head height of the windows is 7'-8” AFF preferred due to the ceiling height of 10'-0”. The clients want the gas fireplace to remain in place and to be a focal point in the living/kitchen/dining space. The style of the fireplace surround or mantle should be included by the student designer. There are no steps leading to the front porch, which is one of the reasons they chose this property. If the kitchen is remodeled, the window sill height can be raised to counter height and a new window specified.

- **Doors:** The entry door is 3'-0" x 6' - 8" tall with a 12" tall transom above. Current bedroom doors are 2'-6" wide. Bathroom door is 2'-4" wide and closet doors are 2'-0" wide. Many of the existing doors do not support universal design principles and will need to be modified.
- **Plumbing Wall:** Because of the cost for new plumbing connections, the clients would like all plumbing to be located within 10' of the existing plumbing wall (currently shown with diagonal lines).
- **Existing Furniture:** Anna has a 1'-8" x 3'-6" Shaker-style writing desk handed down from her grandmother. This can go in any living/sleeping/working area.
- **Budget Purchases:** The clients are interested in purchasing reasonably priced new furnishings as well as used furnishings from consignment stores, Goodwill, Habitat for Humanity and other recycled products.



The Sideyard: The client requested the student designer suggest how this space could contain a garden and seating for 4 to accommodate eating and relaxing, still addressing universal design. They are also concerned about partially screening the space from the street parking/sidewalk, but want to be conscious of a nice appearance for the neighborhood. The space is 15'-0" wide and extends to the length of the house. An entrance to this outdoor space from the porch must be added. An optional exterior door on this side of the home may be added to access the garden space.

Kitchen and Bath: The clients request the design include an improved layout for a kitchen and a bathroom that integrates universal design. A reliable source for clearances is the NKBA Planning Guide (Kitchen 8 & 9). NKBA provides appropriate seating and traffic clearances for all eating areas. The NKBA Planning Guidelines are available on the STAR Events Resources page on the National FCCLA website. To order the complete set of NKBA Kitchen and Bath Planning Guidelines call Customer Service at 1.800.The.NKBA (800.843.6522).

Design Research:

- Research information on the unique style of Craftsman home. The clients are curious about the size, community, and why they became so popular. During the remodel process, the client desires to preserve the features that made the "Craftsman style house" so functional and livable 100 years ago (e.g. large porch, natural lighting, and functional living). However, the style of furnishings and accessories can be a more eclectic style.
- The designer can choose to repurpose historical elements found in the house. As this neighborhood being revitalized, the clients are increasingly aware of new emerging styles from traditional to modern to industrial that utilize such elements as brick, wood, and industrial metals. They are curious to see what the designer will create as a new style for them.
- Adequate, functional storage is needed. Determine what is required for their activities and spaces. Built-ins are preferred if possible, minimizing the impediments in the space.
- Interior and exterior areas are to have a coordinated aesthetic through the use of materials and design elements.
- Daylighting is required to create a bright natural, healthy feel in the interior spaces.
- The useable space must be maximized by minimizing hallways.

Design "Deliverables" (documents):

1. A maximum of three(3) 20"x30" boards should be prepared to meet the following design requirements.
 - a. **Project Objectives** – List the top three objectives for the project and include how they are being addressed (in bullet form, minimum 18 point font)
 - b. **Floor Plan (with Furniture)**- A Develop a floor plan (including porch and sideyard) that is drawn to a consistent ¼" = 1' scale with rooms labeled correctly, all architectural features indicated appropriately, and furniture arrangement displayed. Floor plans may be hand drawn or computer generated. Using correct scale is very important in order to understand measurements of areas where dimensions aren't given, (i.e. furniture sizes)

- c. **Rendered Elevation or 3D drawing** - A rendered (with color) 2-D elevation showing the living area to include the fireplace wall (1/2" =1'0" for elevation). The drawing should include the architectural details, all furnishings, fixtures and accessories. A 3D perspective, with no scale, may be included, but is not required.
 - d. **Images of Furnishings, Accessories and Lighting** – Select images furnishings, accessories and lighting to indicate the interior style being recommended to the clients.
 - e. **Finishes** - Samples should represent the actual products, materials and selected for interior space and are to appear on the sample boards. Actual samples are not required, but may be included. Don't include heavy or breakable samples.
 - f. **Labels and craftsmanship**- Clearly label all items on boards for as clients look for clarity and neatness.
2. **Client Invoice** - The clients have not established a budget at this time but would like the student designer to make reasonable recommendations. Create a budget for five different furnishings and/or lighting products that have been specified for the space as shown on the sample board. Also include the time involved for selecting the furnishings/lighting. As a student designer your billable rate is \$50 per hour. Labor costs, installation, or shipping and handling fees will be billed at a rate of 10%. Calculate tax based on your state's current tax percentage. Taxes will be calculated on furnishings and lighting. Billable hours are a service and are not taxed. A sample invoice template can be found in the FCCLA Resources - <http://fcclainc.org/programs/resources.php>

INDUSTRY RESOURCES:

Industry resources available to designers may provide the opportunity to obtain materials not available to the average consumer. Below are a few resources; there are many more to be discovered online.

Universal Design Resource

<http://www.universaldesignresource.com/>

What is Universal Design

<http://universaldesign.ie/What-is-Universal-Design/>

Human Centered Design

<https://www.humancentereddesign.org/resources/universal-design-housing>

Universal Design: Opening Every Door by Rachel Adelson

<https://secure.nationalmssociety.org/docs/HOM/IMSOct04-UniversalDesign.pdf>

A One-of-a-Kind National Demonstration Home in Columbus, Ohio, Universal Design Living Laboratory

<http://www.udll.com/the-home/>

Plumbing Fixtures and tile

kohler.com

annsacks.com

efaucets.com

Residential Furniture – Accessories – Lighting - Rugs

ballarddesigns.com

deringhall.com

onekingslane.com

restorationhardware.com

Millwork

designermillworks.com

Hardware

signaturehardware.com

Window Treatments

smithandnoble.com

Paint

benjaminmoore.com

sherwinwilliams.com

Wallcovering

yorkwall.com

Office Furniture

gunlocke.com

hermanmiller.com

steelcase.com

Contract Fabrics

robertallendesign.com/contract

kravetcontract.com

designtex.com

Flooring

Daltille.com

Armstrong.com

mohawkgroup.com

millikencarpet.com

Cabinetry

kraftmaid.com

wood-mode.com



