

**Collin College - Continuing  
Education  
COURSE SYLLABUS**

<b>COURSE INFORMATION</b>
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**Course Number:** INDS 1091

**Course Title:** Building Your Dream House

**Course Description:**

Explore considerations for the design and construction of your dream house with architect emeritus John Donaghey, AIA-E. You may elect to produce out-of-class drawings of your class critiqued designs. Topics covered will include site considerations, defining your activity spaces, design and cost parameters, design elements and building codes, consultants and their roles, construction documents, contractors and contracts, and building activity and completion.

**Course Objectives:**

1. Provide students with an understanding of the design and construction processes.
2. Equip students for future design and construction dream house projects.

**Student Expectations:**

Students will explore the major steps in any custom home design and construction, and can gain insight into working with their design and construction team.

**Supply list:**

1. Pencils: sharpened #2 wood or .7 mm mechanical w/ .7 mm B leads
2. Mechanical eraser
3. 8 ½" X 11", ¼" grid paper pad
4. Architect's scales , 6" Alvin plastic no. 310A and 12" length (no metal scales)
5. Engineer's scale, 12" plastic (no metal scales)
6. Mechanical pencil for lots of class notes

Items below are optional and recommended for at-home design work.

**(CAD: Computer Aided Drafting is not recommended for this limited course)**

7. Small roll of drafting tape or dots; Scotch Glue Stick restickable adhesive
8. Drafting instruments: 24" T square, drafting brush, 8" and 3" 30/60 and 45 degree triangles, erasing shield, Pink Pearl eraser, circle template to 1 ½" diameter circles, plumbing fixture template
9. Drafting surface: drafting board or poster board on 5/8" plywood panel; 11" X 17", 18" X 24", or larger, as manageable
10. Short roll (~18") of canary paper (tracing or flimsy paper)

**Alternate drafting:**

All drafting can be done freehand with above items 1, 2 and 4 (12" architect's scale).  
Supply List items may be found at Amazon, Hobby Lobby, Asel Art Supply.

**Course Sessions:** listed are a guideline to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. At the beginning of each class, several minutes will be devoted to the explanation of the handout materials. There will be handouts each night. Information will be presented each night on the projection screen.

## **Lesson Plan - by week / session**

Session 1. Introductions; site considerations

Session 2. Defining your activity spaces (programming)

Session 3. Design and cost parameters

Session 4. Design elements, building codes, consultants and their role

Session 5. Construction documents

Session 6. Contractors and contracts

Session 7. Building activity to completion

**Method of Evaluation:** Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of the class time in order to be considered a successful completer of the course.

**Americans with Disabilities Act:** Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-G200 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.

<http://www.collin.edu/studentresources/personal/studenthandbook.aspx>