

Green Remodeling

Green Remodeling is a course intended for homeowners, interior designers, architects, and those in the remodeling industry who would like to learn about residential remodeling the green way. The course will cover the entire remodeling process: design, demolition, construction, furnishings, finishes, and maintenance.

Topics covered in the course:

- Introduction to Green Design
- The Seven R's of Sustainable Design
- Indoor Air Quality
- HVAC
- Lighting
- Plumbing
- Appliances
- Demolition
- Walls, Doors, and Windows
- Attic and roof
- Cabinetry
- Finish Materials
- Excess materials
- Maintenance
- Landscaping
- Financial considerations



Interior and Architectural Design Program
Collin County Community College

Continuing Education Courses Fall 2007

- **Intro to Green**
- **Green Building**
- **Green Remodeling**

The Green Design Initiative is a project within the Interior Design and Pre-architecture program. The purpose of the Initiative is to promote green design education.

For more information on the Green Design Initiative, contact Ali Kholdi at akholdi@cccd.edu, or visit www.cccd.edu/interiordesign.



Introduction to Green Design and Sustainable Living

Introduction to Green Design and Sustainable Living is a general discussion that includes the philosophy of indigenous cultures and their natural green building practices; green power including geothermal, wind, and solar energy as safe renewable resources for future generations; water, waste, and recycling management; and sustainable interiors, air quality, and VOCs (volatile organic compounds) that are affecting human health and well being.

Topics covered in the course include:

- Indigenous cultures
- Design process
- Passive solar design
- Green wall systems
- Alternative energy
- Green water systems
- Green interiors
- Green kitchen design
- Commercial interiors
- Recycling
- Green landscape

Green Building

Green Building is a design and construction practice that promotes the economic health and well-being of your family, the community, and the environment. It seeks to achieve ecological and aesthetic harmony between a structure and its natural surroundings. The benefits of green building include reduced operating costs, increased productivity, improved indoor air quality, and reduced environmental impact.

This 16-hour course on Green building will introduce the basics of green building design and construction.

Topics covered in the course include:

- Green building methods
- Green materials
- Passive solar design
- Photovoltaic systems
- LEED
- Green paints and finishes
- Green roofing
- Gray and black water systems
- Tankless water heating