Course Title: Basics of Green Building for Real Estate

Course Description This course is intended to provide some basic insight into "green building." Its purpose is not to make the student an expert by any stretch of the imagination. Rather it will offer an overview of recent activity across the United States regarding the green building movement and how consumers are responding. Because there are hundreds of controversial and diverse ideas being floated by environmentalists, politicians, and other stakeholders, it is important that licensees have a place at the table and a fundamental and basic understanding of the principles.

Learning Objectives (See attachment on Bloom's Taxonomy and Learning Levels)

Learning Level	**Learning Objective**
Insert Level (Words Or Numbers)	**Insert corresponding learning objective**
5	Relate the concepts behind green building
6	Explain how a building works as a system in green design
2	Interpret how new building materials contribute to sustainability
2	Explain the importance of efficiency rating systems
1	Identify the areas where property owners can improve energy efficiency
4	Analyze how energy-efficient mortgages give consumers greater buying power
2	Explain the role of Photovoltaics in the use of solar power
4	Distinguish the difference between open- and closed-loop geothermal heat pump systems
1	Describe the importance of wind energy to the future of green design

The following will be the means used in assessing whether the Learning Objectives have been met (Pre and post test, Q&A etc.)
Insert specific methods

Timed Outline: Describe in detail the components of the course by breaking it down into subject matter areas of no greater than 15 minutes. What will be the method of instruction or teaching technique used for each area (lecture, slides, group activities, videotape etc.)

Length in Time (15 minute Increments)	**Teaching Technique**	**Subject Matter Segment and Description**
0-5	Introduction	Basics of Green Building
5-10	Quiz	Mini Quiz 1
10-15	Information Content and Video	What is Green Building
15-20	Quiz	Mini Quiz 2
20-25	Videos	Sustainable Sites
25-30	Information Content	Green Building Materials
30-35	Quiz	Mini Quiz 3
35-40	Quiz	Chapter 1 Quiz
40-45	Introduction	Rating Systems
45-55	Information Content and Video	LEED Rating System
55-60	Case Study	Case Study
60-65	Quiz	Mini Quiz 1

65-75	Information Content, Links and Video	Energy STAR Ratings
75-80	Quiz	Mini Quiz 2
80-85	Information Content and links	RESNET Rating System
85-90	Quiz	Mini Quiz 3
90-100	Information Content	Comprehensive HERS Rating
100-105	Video and chart	Energy-Efficient Mortgages; Why the EEM Works
105-110	Quiz	Mini Quiz 4
110-115	Quiz	Chapter 2 Quiz
115-120	Introduction and Videos	Alternative Energy Sources (Biomass & Green Roofs)
120-125	Information Content	Solar Power
125-130	Quiz	Mini Quiz 1
130-135	Information Content	Geothermal Heat Pumps
135-140	Information Content and Illustrations	Closed & Open-Loop Systems
140-145	Quiz	Mini Quiz 2
145-150	Information Content	What about Fuel Cells?
150-155	Information Content, Links and Illustrations	Wind is Free
155-160	Information Content and Illustrations	Hydroelectric & Green Building Finance Consortium
160-165	Quiz	Mini Quiz 3
165-170	Quiz	Chapter 3 Quiz
170-180	Exam	Final Exam