

Green Ladders Program Syllabus

LaGuardia Community College

Course Description:

The Green Ladders program gives students a foundation of knowledge in the sustainability industry as well as tools to find jobs in this sector. The course explores sustainability topics ranging from renewable energy to best green cleaning practices to climate change science. In order to be as relevant as possible - the course includes cutting edge info on what is going on in this quickly evolving industry. The course is formatted to include class-room teaching time, assignments, assessments, mock interviews and off-site field trips for a comprehensive educational experience.

Course Instructors / Contact info:

1. Instructor Name #1

Title

Email Address

Phone Number

Office Hours

2. Instructor Name #2

Title

Email Address

Phone Number

Office Hours

Course Objectives:

At the end of the course hours, the participants should be able to:

1. Discuss the main principles of sustainability.
2. Define at least 5 types of renewable energy.
3. Be able to name at least eight different green job options and the typical vocabulary that is associated with each of the job options.
4. Understand and be able to carry out green job search strategies.
5. Recognize sustainable certifications / accreditations available for individuals, understand where these could assist in a job search process, and understand the steps to achieve them.

Materials:

1. Residential Energy - Cost Savings and Comfort for Existing Buildings, sixth edition, John Krigger, Saturn Resource Management Inc, 2014.
2. Class Powerpoints:
 - a. General Sustainability
 - b. Built Environment
 - c. Green Jobs
3. Instructor Hand-Outs (including vocabulary list and reading list)
4. Safety Supplies
5. USB Drive

Grading:

Students require a minimum grade of a C- to graduate from the course, which equates to a minimum overall grade of 70%. Final grades will be posted with-in 7 days of the final class.

Grades will come from:

- Assignments / Mock Interviews 30%
- Quizzes 10%
- Final Test 10%
- Class Participation 50%

Assignments (30% of grade). Students will be required to complete reading and brief research assignments outside of class. The research assignments might include researching a specific green jobs company of interest to the student and finding out how the job application process works for that particular company, or finding case studies of renewable energy projects located in New York City. Assignments are critical to help students build skills they can use after the program is completed, and thus are worth a large portion of the student's grade. This grade is also affected by student's performance in mock interviews. Students will be given the requirements for their interviews and expected to prepare in advance.

Quizzes (10% of grade). Quizzes will be multiple multiple-choice, True/False, and short answer and given during class hours. The quizzes will include material from readings, handouts, and lectures presented in class. Quiz dates are listed in the class outline below. Make-up quizzes will only be given if the student has scheduled a makeup quiz in advance of the quiz (not if the student skips class on the quiz date.)

Final Test (10% of grade). The final test will be multiple-choice, True/False, short answer and essay. The test will cover content from the entire course and measure how well the student grasps the course objectives. The class in advance of the final test will be dedicated to assisting students in preparing for the exam, and students are encouraged to study outside of that class as well. The final test date is listed in the class outline below. A make-up test will only be given if the student has scheduled a makeup test in advance of the test date (not if the student skips class on the test date.)

Participation (50% of grade): Class participation is essential to ensure that each student is getting the most out of the class as possible. Students are encouraged to come prepared to each class with questions regarding the material and assignments. Students are also encouraged to come prepared to answer questions on course content. Regular class attendance is essential to a high score in the participation portion of each student's' grade.

Attendance/Lateness Policy: [MS to do final review and update of this section]

Due to the experiential nature of the course, attendance and participation are mandatory. Moreover, you cannot be late to this class, nor can you turn your work in late. If there is a personal emergency, contact [contact for lateness, absence or other issues] PRIOR to class. You are also expected to come to each class prepared to discuss the readings and with your comments and questions.

Academic dishonesty is defined as cheating, fabrication, and facilitation of academic dishonesty and/or plagiarism. Students who engage in academic dishonesty in this course will be subject to College censure and may fail the course.

Class Outline:

Course Section	Date(s)	Details
Course Orientation	TBD (first date of class)	Introduction to course materials and expectations of students.
General Sustainability	TBD	
Sustainability Research Assignment Presentations	TBD	
Quiz 1	TBD	This quiz will cover the General Sustainability course material.
OSHA Training and Exam	TBD	
Built Environment	TBD	
Built Environment Assignment Presentations	TBD	
Quiz 2	TBD	This quiz will cover the Built Environment course material.
Field Trips (TBD)	TBD	Field trips will include two full day trips and 2 half day trips to sustainability focused destinations such as Sims Recycling Center, Brooklyn Grange and Smiling Hogshead Ranch.
Solar 1	TBD (1 week in length)	At the end of the course, there will be a final test. It counts as a quiz towards the student's final grade.
Green Jobs	TBD	
Botanical Garden	TBD (1 week in length)	
Quiz 3	TBD	This quiz will cover the Green Jobs and Botanical Garden course material.
Green Jobs Search Training	TBD (1 week in length)	
Mock Interviews	TBD	
Study for Final Test	TBD	
Final Test	TBD	The final test will assess student's understanding of topics covered in the four quizzes.
Graduation	TBD	
Job Placement	TBD	

Assignments Outline:

Assignment Title	Date(s)	Details
Sustainability Research Assignment	TBD (after General Sustainability Module 2)	Students are required to select a topic covered in class, research recent media coverage of this topic and bring in a 5-10 min presentation summarizing their findings.
Residential Energy Introduction pages 13-27	TBD (after Module 1 of Built Environment)	Read and come prepared to discuss main ideas from chapter.

Green Buildings Assignment	TBD (after Green Buildings Section)	Select a section from Residential Energy book (sections 2-10), read and prepare assignment for presentation in class.
Solar 1 / Botanical Garden Assignment	TBD	TBD
Preparation for Mock-Interviews	TBD (before Mock-Interviews)	Students are required to research green jobs and find a job posting that interests them. Students are expected to research the company, prepare their resume for the interview, and prepare answers to typical interview questions in preparation for their mock-interview.

Student Resources:

1. LaGuardia Community College Job Search ...TBD
2. TBD
3. TBD
4. TBD