DATE OF LAST REVIEW: 02/2013
CIP CODE: 15.0508
SEMESTER: Departmental Syllabus
COURSE TITLE: Recycling and Resource Conservation
COURSE NUMBER: HZMT-0290
CREDIT HOURS: 3
INSTRUCTOR: Departmental Syllabus
OFFICE LOCATION: Departmental Syllabus
OFFICE HOURS: Departmental Syllabus
TELEPHONE: 913-334-1100
PREREQUISITE(S): None

REQUIRED TEXT(S):
Please see bookstore for current textbook(s) and other required material.

COURSE DESCRIPTION:
This is a course designed to address the methods that can be used in the recycling of paper, plastics, glass metals, and other items which can be used in some other process. Other topics that are covered are energy conservation, fertilizers and pesticides, water pollution, safe foods, lawn care, and safe products and services.

METHOD OF INSTRUCTION:
A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, and panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

COURSE OUTLINE:
The course outline is indicated below, and is subject to change as course development dictates:
1. Introduction to recycling and resource conservation
2. Entrepreneurs
3. Environmental products and services
4. How small businesses operate
5. Recycling
   A. Chemicals
   B. Wood
   C. Paper
   D. Metals
   E. Plastic
   F. Glass
   G. Cloth
   H. Synthetic Materials
6. Conservation
A. Water
B. Energy
C. Fuel
D. Minerals
7. Environment-friendly products
8. Safe foods
9. Financing
10. Environmental Networking
11. Atmosphere and its protection
12. Waste management

EXPECTED LEARNER OUTCOMES
1. To understand how to recycle various materials and what items can use recycled products in the manufacturing processes.
2. The student will understand the potential costs, development, processing, transportation, and worth of paper, metals, glass, plastic, chemicals, and wastes that are normally discarded.
3. The student will be able to recommend a recycling company for a specific waste item or stream.

COURSE COMPETENCIES
1. The student will be able to locate a recycling company for a specific waste item.
2. The student will calculate the costs of recycling paper, wood, metals, cloth, glass and chemicals in the present market.
3. The student will identify methods that can be used to conserve energy.
4. The student will identify environment-friendly products and services.
5. Identify the dangers associated with the misuse of chemicals in the environment.
6. Demonstrate how to grow a safe-food.
7. Explain various investment opportunities in areas associated with environmental issues.
8. Analyze the stock for a company associated with environmental issues in the United States.
9. Discuss the value of entrepreneurs curing environmental ills in the United States.
10. The student will explain glass recycling.
11. The student will explain paper recycling.
12. The student will explain white goods recycling.
13. The student will explain metal recycling.
14. The student will explain cardboard recycling.
15. The student will discuss dump operations
16. The student will discuss environmental green products.
17. The student will discuss the need for trash control laws.
18. The student will develop a model trash removal ordinance.
19. The student will explain the recycling process of animal waste.
20. The student will present a recycling presentation.
21. The student will prepare a narrative on a given recycling issue.
22. The student will explain recycling of yard waste.
23. The student will outline the operations at a recycling center.
24. The student will explain recycling of paint.
25. The student will outline the recycling of tires.
26. The student will explain the recycling of oil.
27. The student will discuss the recycling of aluminum.
28. The student will explain the recycling of biodegradable waste.
29. The student will measure a waste flow.
30. The student will explain the recycling of hazardous chemicals.
ASSESSMENT OF LEARNER OUTCOMES:
Assessment methods may include, but are not limited to, the following: Homework, Assignments, Quizzes, Class Participation, Chapter Tests, and Final Exam. The grading scale and the process for calculating the course grades are to be determined by the individual instructors. This information will be included in each instructor’s syllabus.

SPECIAL NOTES:
This syllabus is subject to change at the discretion of the instructor. Material included is intended to provide an outline of the course and rules that the instructor will adhere to in evaluating the student’s progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome any time.

Kansas City Kansas Community College is committed to an appreciation of diversity with respect for the differences among the diverse groups comprising our students, faculty, and staff that is free of bigotry and discrimination. Kansas City Kansas Community College is committed to providing a multicultural education and environment that reflects and respects diversity and that seeks to increase understanding.

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