SYLLABUS

DATE OF LAST REVIEW: 02/2013

CIP CODE: 24.0101

SEMESTER: DEPARTMENTAL SYLLABUS

COURSE TITLE: Contemporary Issues in Biology

COURSE NUMBER: BIOL-0126

CREDIT HOURS: 1

INSTRUCTOR: DEPARTMENTAL SYLLABUS

OFFICE LOCATION: DEPARTMENTAL SYLLABUS

OFFICE HOURS: DEPARTMENTAL SYLLABUS

TELEPHONE: DEPARTMENTAL SYLLABUS

EMAIL: DEPARTMENTAL SYLLABUS

*KCKCC issued email accounts are the official means for electronically communicating with our students.*

PREREQUISITE(S): None

REQUIRED TEXT AND MATERIALS: Please check with the KCKCC bookstore, http://www.kckccbookstore.com/, for the required texts for your particular class.

COURSE DESCRIPTION: This course is intended for all students interested in investigating critical issues in contemporary biological science. The course will be concerned with vital issues of our times. Students will have the opportunity to do independent research and to discuss solutions to many of the important problems of our day. They will learn the value of research in problem solving on a first-hand basis and the far reaching effect that Science can have on all of us.

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, panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

COURSE OUTLINE:
I. Invitation to Health
II. Stress
III. Emotional Health
IV. Intellectual Well-Being
V. Fitness and Exercise
VI. Diet and Nutrition
VII. Weight management
VIII. Intimate Relationships
IX. Sexuality
X. Reproduction and Sexual Health
XI. Parenting
XII. Communicable Disease
XIII. AIDS and Sexually Transmitted Diseases
XIV. Cardiovascular Disease
XV. Treatment and Prevention of Cardiovascular Disease
XVI. Cancer
XVII. Drugs
XVIII. Alcohol
XIX. Tobacco
XX. Injury Prevention
XXI. Aging
XXII. Death and Dying
XXIII. Health Self-Care
XXIV. Health Care Delivery Systems
XXV. Environmental Health
XXVI. A Celebration of Health

EXPECTED LEARNER OUTCOMES:

A. The learner will be able to provide opportunities for students to discuss solutions surrounding each issue addressed in class.
B. The learner will be able to present accurate and objective information about specific bioethical issues.
C. The learner will be able to sensitize students to contemporary issues so they become better informed and take an active role in selecting the ways in which our society applies the discoveries of basic research.
D. The learner will be able to participate in values clarification exercises.

COURSE COMPETENCIES:

The learner will be able to provide opportunities for students to discuss solutions surrounding each issue addressed in class
1. The learner will be able to describe and explain the relationship of needs, values and goals to psychological health, self-esteem, the brain, and different therapeutic approaches to treatment regarding mental illness.
2. The learner will be able to discuss the various factors influencing drug use, misuse, abuse, the substance use disorders, and common drugs of abuse, and treatment of drug dependency.

The learner will be able to present accurate and objective information about specific bioethical issues.
3. The learner will be able to discuss and describe the significance of tobacco use, the health consequences of tobacco use for the smoker and non-smoker, and ways in which the problems associated with tobacco use are being combatted.
4. The learner will be able to explain and describe cancer, its development, classification of tumors, risk factors, prevention and treatment, and explain other major non-infective diseases and their treatment.

The learner will be able to sensitize students to contemporary issues so they become better informed and take an active role in selecting the ways in which our society applies the discoveries of basic research.
5. The learner will be able to examine and describe the aging process, the impact of issues and lifestyles in the earlier years on the health in the later years, and the problems faced by the elderly.
6. The learner will be able to describe and discuss differing views of death, the stages and acceptance of death, the process of dying, and the grieving process.
7. The learner will be able to discuss issues, conditions, and problems of human sexuality and explain conception, pregnancy, childbirth, birth control and abortion.

8. The learner will be able to describe and explain the infectious process, including the agents of infection, and compare the various vectors and the ways in which the body defends itself against infectious disease, and describe the most common infectious diseases.

   The learner will be able to participate in values clarification exercises.

9. The learner will be able to describe different types of health-care providers and facilities, identify factors in selecting, assessing, dealing with, and evaluating providers and facilities, analyze the major issues facing the United States health-care delivery system, and explain alternative forms of therapy.

10. The learner will be able to describe and discuss the cyclical nature of the impact of the environment on the individual’s health and the impact of the individual on the environment, the extent to which pollution affects the health of the population, various environmental health problems, and the important actions necessary to help solve these.

ASSESSMENT OF LEARNER OUTCOMES:
Student progress is evaluated by means that include, but are not limited to, exams, written assignments, and class participation.

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.

Kansas City Kansas Community College offers equal educational opportunity to all students as well as serving as an equal opportunity employer for all personnel. Various laws, including Title IX of the Educational Amendments of 1972, require the college’s policy on non-discrimination be administered without regard to race, color, age, sex, religion, national origin, physical handicap, or veteran status and that such policy be made known.

Kansas City Kansas Community College complies with the Americans with Disabilities Act. If you need accommodations due to a documented disability, please contact the Director of the Academic Resource Center, in room 3354 or call at: 913-288-7670.