



HUMAN GENOMICS

BITC 2459/2059

ON-LINE COURSE OFFERING

The course will be offered for both Continuing Education (BITC 2059) and Academic Credit (BITC 2459) toward the Enhanced Skills Certificate in Biotechnology.

For (non-credit) CE registration information please contact:
Lanell Mikeska at: 298-8625 or
Amy Almodovar at: 298-8616

For information about the course content, please contact
Ms. Kimberley Clawson, at:
Kimberley.clawson@templejc.edu

June 1–August 12, 2009

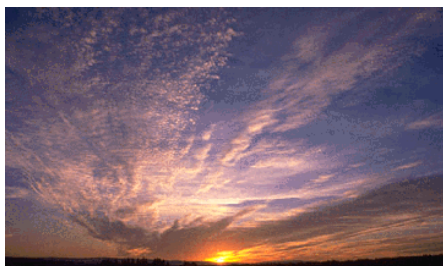
EXPAND YOUR HORIZONS IN BIOTECHNOLOGY!

Course Description: Nature of the human genome, the structure of chromosomes, gene sequencing, gene regulation and the techniques used in genetic analyses. Includes emerging technologies in genomics and their use in medical research. Students will examine the methodologies for gene discovery, testing for diagnosis, disease etiology, treatment methodologies and response to treatment.

Course Outcomes: At the end of the course students will be able to describe the nature of the human genome, the structure of chromosomes, gene sequencing, gene regulation and the techniques used in genetic analyses. Students will also be able to discuss emerging technologies in genomics and apply genomics to the field of medical research.

Course Prerequisites: Students wishing to enroll in the course should have a strong science background, preferably a degree in a science/biotechnology related area. A genetics course or genetics/biotechnology background is highly recommended.

Instructor Profile: Ms. Kimberley Clawson is currently an instructor in both the Biology and Biotechnology Departments at Temple College and the Texas Bioscience Institute. Ms. Clawson has over 15 years of experience in cytogenetics and was the Chief Technologist of the Cytogenetics Department for Scott and White Hospital. She has extensive clinical and higher education teaching experience. Ms. Clawson also has specialized training in molecular techniques.



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