MATH 135 - PRE-CALCULUS: ELEMENTARY FUNCTIONS (3.0 credits)
INSTRUCTOR: Mrs. Jennie Thompson, Professor of Mathematics
OFFICE HOURS: MWF 10:00-11:00am,12:30-1:00pm; TTH 8:30-9:00am,12:00-1:00pm
OFFICE LOCATION: MS-205
CONTACT INFORMATION: 455-0400, jenniet@hawaii.edu
Class Information: Math 135(55189) MWF 9:00-9:50am MS-202
CATALOG COURSE DESCRIPTION:
A functional approach to algebra which includes polynomial, exponential and logarithmic functions; higher degree equations; inequalities; sequences; binomial theorem; partial fractions. This course is recommended for students majoring in mathematics, sciences or engineering.
Co-requisites: None
PREREQUISITES: C or better in MATH 103, or equivalent(within the past two years)
Recommended Preparations: None
TEXTBOOKS AND OTHER RESOURCES:
1. TEXT: Precalculus With Wiley Plus Binder Set by Cynthia Young, 2010, John Wiley and Sons, Inc. A WileyPlus Access code is included and will be used in this course.
2. A scientific calculator or graphics calculator--note that certain graphics and/or programmable calculators may not be allowed on quizzes and exams. (More information will be given in class.)
STUDENT WITH DISABILITIES STATEMENT:
Leeward Community College abides by Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, which stipulate that no student shall be denied the benefits of an education "solely by reason of a handicap." Students with documented disabilities who believe that they may need accommodations in this class are encouraged to contact the Coordinator of the KAKOʻO ʻIKE (KI) program as soon as possible to ensure that such accommodations are implemented in a timely fashion. The KI office is located in L-208, across from the elevator in the library building or call for information at 455-0421.
STUDENT ASSESSMENT NOTIFICATION
With the goal of continuing to improve the quality of educational services offered to students, Leeward CC conducts assessments of student achievement of course program, and institutional learning outcomes. Student work is used anonymously as the basis of these assessments, and the work you do in this course may be used in these assessment efforts.
STUDENT LEARNING OUTCOMES:
Upon successful completion of Math 135, a student should:
- be proficient in solving equations and inequalities, including those involving radical, exponential, and logarithmic expressions.
- be able to analyze, combine, and find the inverses of functions.
- be able to use properties to construct graphs of relations and functions in the Cartesian plane, including the conic sections.
- be proficient in analyzing the properties of polynomial functions and their graphs, including symmetry, intercepts, and zeros with their multiplicities.
- be proficient in analyzing the properties of rational functions and their graphs, including domain, range, asymptotes, and intercepts.
- be proficient in analyzing the properties of exponential and logarithmic functions and their graphs, including domain, range, and asymptotes.
- be able to model and solve various applications problems related to the studied relations and functions

ATTENDANCE: Students are expected to be in attendance regularly and on time for class. Anticipated as well as unexpected absences should be discussed with me. It will be your responsibility for arranging any make-up work. Note that if you are not able to reach me, leave a message on the office phone at 455-0400.

ERASE/WITHDRAWAL PERIOD: Classes dropped during the erase period will not appear on the student's permanent academic record. Deadline to withdraw from Classes <u>without</u> "W" grade is Monday, January 30, 2012. Classes from which students withdraw after the erase period will appear on the student's permanent academic record with a "W" notation. Deadline for such a withdrawal is Friday, March 23, 2012. Contact Admissions and Records Office for information.

NOTE ON GETTING INSTRUCTIONAL ASSISTANCE:

Please take advantage of seeing me during my office hours. If you are not able to see me during office hours, make an appointment at a time that is convenient for you. In addition, visit the Math Lab (Mathematics Learning Resource Center) in MS-204 for walk-in tutoring on a no appointment basis. Many students find that working with a tutor helps them to succeed in class. Free tutoring is available in the Math Lab. For more information, ask at the Math Lab.

GRADING POLICY:

Quizzes: Quizzes will be given after a sufficient number of concepts have been covered. NOTE: Quizzes will also be taken on WileyPlus. The Wiley Plus access code must be used. Quizzes will be worth approximately 25% of the course grade. Quizzes are worth 10 points each.

Examinations: There will be three exams worth approximately 50% of the course grade. Each examination will be worth 100 points.

Final Examination: The final examination will be worth approximately 25% of the course grade. The 150-point final examination will be a comprehensive exam that covers all materials from the beginning to the end of the semester.

Students are expected to take quizzes and exams on the scheduled day. A grade of zero (0) will be given for any missed quiz or examination. A special note on takehome quizzes: Takehome quizzes are due at the start of the class period. Failure to turn in a takehome quiz at the start of the class period will result in a grade of zero. In addition, a grade of zero for the takehome quiz will be given to the student who is not present in class or without an excused absence on the day the takehome quiz is given <u>and</u> on the day the takehome quiz is due.

To avoid problems, please let me know in advance about any problems or situations that may prevent you from taking any quiz or exam on the scheduled day. An exam cannot be made up unless a written note from a doctor or an authorized person with reasons for the excused absence. NOTE: notification of absences is to be made before the start of the class. Additional information about the quizzes, takehome quizzes, and examinations will be given in class.

The letter grade for this course will be determined by the total number of points the student accumulates.Letter grades and corresponding levels of achievement in percents are listed below.

A: 100% - 90% of the total points possible

B: 89% - 80% of the total points possible   D: 69% - 55% of the total points possible

 C: 79% - 70% of the total points possible   F: 54% and below of the total points possible

Refer to LCC catalog for more information on letter grades.

ADDITIONAL NOTE ON GRADING POLICY: In order to be eligible to earn a letter grade of C or better, a student must earn a minimum score of 85% on the WileyPlus computerized math departmental final exam assessment. This Math Department Final Exam will be timed and can be taken either on campus or at home. Multiple attempts are allowed. A student who does not score at least 85% on this departmental exit assessment cannot earn a C or better for this course. Scoring at least 85% on this assessment does not guarantee a student a C or better. The student must meet the instructor's grading requirements.