ENGR 215 Computational Methods for Engineers and Scientists

ENGR 215 COMPUTATIONAL METHODS FOR ENGINEERS AND SCIENTISTS

Covers the fundamentals of procedural programming and computational methods for science and engineering. Topics include induction, iteration and recursion; approximations, floating-point computations, introduction to data structures and object oriented programming. Students will be given laboratory projects that use the MATLAB programming language to solve problems and examples drawn from algebra, trigonometry, calculus and elementary physics. *Letter Grade Only. Degree Credit.*

Units: 3

Hours/semester: 32-36 Lecture; 48-54 Lab; 64-72 Homework

Prerequisites: MATH 251

Transfer Credit: CSU, UC

C-ID: ENGR 220