THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF MATHEMATICS

Course #: 5351
Course Title: Complex Variables
Credit Hrs: 3
Term: Fall
Course Meetings & Location: MW 0300--0420pm; Bell Hall 130A
Prerequisite Courses: MATH 5321 or its equivalent as approved by the instructor
Course Fee: (if applicable) None
Instructor: L. Valdez-Sanchez
Contact Info: Phone # 747-6766
E-mail address: lvsanchez@math.utep.edu
Fax # 747-6502
Office Hrs: MTWR 0930-1020am or by appointment.
Textbook(s), Materials: Required: Complex Analysis, by E.M. Stein & R. Shakarchi,
Princeton Lectures in Analysis II.
Suggested: Functions of one complex variable, John Conway, GTM
11, Springer Verlag
Course Objectives (Learning Outcomes): The student will learn in detail the fundamental theorems of complex analysis
and their applications (to integration theory etc).
Course Activities/Assignments: Homework will be assigned weekly and will consist of problems from
the textbook as well as from other sources.
Assessment of Course Objectives: The course grade will determined from the performance on three
midterms exams, a final exam, and the assigned homework.
Course Schedule: Our aim will be to cover thoroughly the material in Chapters 1, 2, and 3, with one midterm given at the end of each of these chapters, with corresponding target days 9/21, 10/26, and (as late as) 11/30. We will include material from Chapters 5 or 8 as time permits.
Grading Policy: HW = 10%
Midterms (3) = 20% each
Final = 30% (on Mon Dec 7, 01:00--03:45pm)
Make-up Policy: No make-up exams will be given except with proper documentation, i.e.
doctor’s note, hospital’s note, or UTEP excused absence document. Homework is due on specified due dates without exceptions.
Academic Integrity Policy: See www.utep.edu/dos
Civility Statement: Any electronic device which might disturb class activities must remain turned off during the entire class period. In particular, no cell phones/computers are allowed to be used during the class, quizzes, tests or exams.
Disability Statement: If a student has or suspects she/he has a disability and needs an accommodation, he/she should contact the Disabled Student Services Office (DSSO) at 747-5148 or at dss@utep.edu or go to Room 106 Union East Building. The student is responsible for presenting to the instructor any DSS accommodation letters and instructions.