

## *Course Syllabus*

---

### **Course Information**

<i>Course Number/Section</i>	Math 3379/001
<i>Course Title</i>	Complex Variables
<i>Term</i>	Fall 2016
<i>Days &amp; Times</i>	M&W 4:00-5:15 pm, FO 1.502

---

### **Professor Contact Information**

<i>Professor</i>	M.A. Hooshyar
<i>Office Phone</i>	2171
<i>Email Address</i>	ali@utdallas.edu
<i>Office Location</i>	FO 2.610 D
<i>Office Hours</i>	M&W 2:45-3:45 pm or by appointment

---

### **Course Pre-requisites, Co-requisites, and/or Other Restrictions**

Math 2451 and Math 3310.

---

### **Course Description**

See: <http://utdallas.edu/student/catalog/undergrad08/courses/math.html>

---

### **Student Learning Objectives/Outcomes**

1. Students will be able to articulate properties of complex numbers, analytic functions, residues and conformal mapping.
  2. Students will be able to apply their knowledge of complex variables to construct and analyze models arising in applications in mathematics, physics, and engineering,
  3. Students will be able to perform quantitative and qualitative analysis of problems using complex variables methods.
- 

### **Required Textbooks and Materials**

#### *Required Texts*

*“Complex Variables and Applications,” 9<sup>th</sup> Ed. By: J.W. Brown and R.V. Churchill*

---

### **Assignments & Academic Calendar**

#### *Exam Dates*

Exam 1 – October 5 in Class

Exam 2 – November 14 in Class

Final Exam – Final Exam – Dec. 12, 5:00-7:45 pm in FO 1.502

---

### **Grading Policy**

HW = 10%, Exam 1= Exam 2= 27%, Final= 36%

---

**Course & Instructor Policies**

*Make-up exams: N/A, Extra Credit: N/A, Late Work: N/A, Special Assignments: N/A*  
*Class Attendance: Required, Classroom Citizenship: Required.*

---

**Off-campus Instruction and Course Activities \_ N/A****Comet Creed**

*This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:*

“As a Comet, I pledge honesty, integrity, and service in all that I do.”

---

**UT Dallas Syllabus Policies and Procedures**

The information contained in the following link constitutes the University’s policies and procedures segment of the course syllabus.

Please go to <http://go.utdallas.edu/syllabus-policies> for these policies.

---

***The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.***