Math 428/518 : Topics in Complex Analysis
Fall 2012

Instructor : Prof. Andrew Putman
Office : HBH 432
Email : andyp@rice.edu
Webpage : http://www.math.rice.edu/~andyp/teaching/Math428/
Class Hours : TTh 1:00-2:15
Classroom : HBH 453
Office Hours : By appointment (or try just coming to my office – unless something is going on, I am usually happy to talk).
Text : *Algebraic Curves and Riemann Surfaces* by Rick Miranda

Prerequisites : Math 382 or Math 427 or permission of instructor.

Course Description : This is a course on compact Riemann surfaces and algebraic curves. The goal of the course is to develop the foundations sufficiently to prove the Riemann-Roch theorem and Abel's theorem and to discuss some of their many consequence.

Homework : Homework will be assigned every Tuesday and will be due the following Tuesday. It will be posted to the course webpage by Tuesday evening. Collaboration is encouraged, but each student must independently write up his/her own solutions. Late homework is never accepted, but the lowest homework grade is dropped.

Exams : There are no exams.

Grading :
50% Homework
50% Attendance/participation

Attendance policy : Students who are enrolled in the course are expected to attend class regularly. Of course, situations arise occasionally which require students to miss class; however, if this becomes habitual it will affect the student's grade. I will contact students whose attendance is such that it might adversely affect their grade.

Disability support : Any student with a documented disability seeking academic adjustments or accommodations is requested to speak with me during the first two weeks of class. All such discussions will remain as confidential as possible. Students with disabilities will need to also contact Disability Support Services in the Allen Center.