

## **Advanced Partial Differential Equations**

Applied and Comp Math 912

Section: G100

Term: 2013 Spring

Instructor:  
Nilima Nigam  
Office: K10509

Discussion Topics: APMA 912 will cover  $L^p$  spaces, a rigorous introduction to  $W^{k,p}$  and  $H^s$  spaces, negative, fractional and trace spaces, embedding theorems and interpolation results.

Grading: Assessment: the class will be structured around weekly exercises and presentations.

Required Texts:

Recommended Texts:

Materials/Supplies:

Prerequisite/Corequisite: Background: permission from the instructor. I am unlikely to grant permission to a student who lacks both APMA 901 and Math 725.

Notes: THE INSTRUCTOR RESERVES  
THE RIGHT TO CHANGE ANY OF THE ABOVE INFORMATION.

Students should be aware that they have certain rights to confidentiality concerning the return of course papers and the posting of marks. Please pay careful attention to the options discussed in class at the beginning of the semester.

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