GEOGETOWN UNIVERSITY  
Math150–Linear Algebra Summer 2018  

Classroom: St Mary's 111  
Class meetings: MTWR 10:45am-1:25 pm  
Instructor: Sara Gharahbeigi,  
Office: St. Mary’s Hall G-30  
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Office Hours: TBA  

Course Description: This course presents the basic theory and methods of finite dimensional vector spaces and linear transformations on them. Topics include: matrices and systems of linear equations; vector spaces, bases, and dimension; linear transformations, kernel, image, matrix representation, basis change, and rank; scalar products and orthogonality; determinants; eigenvalues, eigenvectors, diagonalization of symmetric matrices, positive definite matrices.  

Required Text: Linear Algebra And Its Application, 4’th Edition (Subject to change!)  

All cell phones and electronic devices should be turned off during class.