New Course Offering  
Spring Term 2017  

**Genetics Honors Seminar**  
**Biosc 1590; 1 cr.**  
Dr. Lewis Jacobson  

Thursdays, 11:00-12:50  
Limited to 18 students  

Prerequisites: Biosc 0350 (Genetics)  
*or* Biosc 0350 as co-requisite with permission  
Cumulative GPA $\geq 3.25$ required  
*or* permission of instructor  

This course will provide an opportunity for students to gain greater depth and breadth of knowledge of the practical applications of genetics and of the new genetic paradigms in medicine. Emphasis will be on class discussion, critical reading of primary research papers and integrative thinking.  

Topics may include:  
- How we derive genetic concepts from experimental observations  
- Genetic basis of human diversity  
- Genetic basis for precision medical diagnosis & treatment  
- “Mendelian Randomization” and causality in clinical trials  
- Genetic diversity in cancer  
- .... etc.  

Students will write one short paper and one longer paper. There will be no exams. Class participation will be taken into account in grading.  

Letter grade or SNC, your choice.