Computational Models of Vision

*Psych W3270. 3 pts.*

A regular weekly meeting time will be arranged at the organizational meeting, which will be held in the first week of the semester.

**Instructor: Norma Graham**

**Email: nvg1@columbia.edu**

The general topic of this seminar is the study of vision and visual perception – considering both behavioral and physiological data -- within a framework of computational and mathematical descriptions. You choose your own specific topic during the first few weeks of the term and then work on it throughout the term. This is a seminar class, and the work for the class includes making several presentations, participating in discussion, and turning in a written summary paper on your own topic at the end of the course.

The grade for this course takes into account (with approximately equal weight) the following components: each presentation a student gives to the group; the final summary paper the student writes; and the degree to which the student is a good audience for the other members of the seminar.

Given the nature of this course, it is important that every student attend every class meeting except, of course, for serious illness or other serious situations.

A previous course in vision IS NOT required. Some background in one of the following is probably a good idea: psychology, biology, physics, computer science, mathematics, or electrical engineering.

If you are at all interested in this seminar, please contact me for further information about the seminar (email is surest – nvg1@columbia.edu)

(This is an undergraduate course number. If you are a graduate student, please see Psych W4235, Special Topics in Vision.)