

## **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](mailto: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](mailto:nvg1@columbia.edu))**

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