

**G80.3042.002 – Fall 2007**  
**Statistical Analysis and Modeling of Neural Data**

**Student Information**

Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Department: \_\_\_\_\_

Status (MS, doctoral, postdoc): \_\_\_\_\_

Credit/Audit (give probability): \_\_\_\_\_

Describe your background relevant to this course. For each topic, indicate:

- 1 - never heard of it,
- 2 - know a little, but not enough to use it,
- 3 - once knew it reasonably well, but have forgotten it,
- 4 - know it well enough to use it

least-squares regression	
eigenvalue/eigenvector decomposition	
Fourier transform	
convolution theorem	
maximum likelihood estimator	
signal detection theory	
reverse correlation analysis	

How much experience do you have with MatLab?

Which topics are most/least important to you? Any other topics you'd like to see covered?