

**Faculty Sponsors:** Deanna Needell (SSNMF), Chris Anderson (Prion Diseases)  
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**Weekly Group Meetings:** Tues 1-2 pm (full group – MS 6943)  
 Thurs 10-11am (SSNMF – MS 7619C)  
 Thurs 1-2pm (Prions – MS 7619C)

**Course Description:** SSNMF: combining unsupervised topic modelling methods with regression  
 Prions: identifying possibly relevant time scales and biological parameters in prion disease development

**Expectations:**

Researching and analysis/coding:	3-4 h/week (2 credits)	8-10 h/week (4 credits)
Report Writing:	0-1 h/week (2 credits)	0-2 h/week (4 credits)
Weekly Meetings/lectures:	2 h/week (2 credits)	2 h/week (4 credits)

**Grading Scheme:** Course assessment is based on

Attendance and Research:	50% (attending meetings, task work and completion)
Oral Exam:	20% (individual questions about the math and work)
Final Presentation:	10% (presenting the work as a group to public audience)
Final Report:	20% (group written paper of overall findings of the work)

Week	Research Activity
1	Research meetings and work
2	Research meetings and work
3	Research meetings and work
4	Research meetings and work
5	Research meetings and work
6	Research meetings and work
7	Research meetings and work
8	Research meetings and work
9	Research meetings and work
10	Research meetings and work <b>R or F: Final presentation</b>
Exam Week	<b>M-F: Oral exams</b> <b>F: June 10<sup>th</sup> – Final report due by 5 pm</b>