**Bioengineering**

**Bioengr 295M:** Seminar: Research Topics in Bioengineering – Research in Biological Systems Engineering
**Fall, Winter, Spring, Every Year**

Catalog Description: Seminar, two hours; outside study, four hours. Limited to bioengineering graduate students. Advanced study and analysis of current topics in bioengineering. Discussion of current research and literature in systems biology, immune engineering, computational analysis of cell signaling, machine learning, quantitative molecular biology. Student presentation of projects in research specialty. May be repeated for credit. S/U grading.

Required Textbooks: None

Recommended Text: Journal articles, review papers, and other assigned reading materials.

Instructor in Charge: Meyer, A.

Prerequisites: Limited to bioengineering graduate students

Grading Structure: Presentation of research projects – 90%; Student Participation – 10%; S/U grading only.

Topics

- Immune engineering
- Systems biology
- Computational analysis of cell signaling
- Machine learning
- Quantitative molecular biology