INSTRUCTOR: Aman Ullah.
Locations/times: Lecture: Tuesday 4:30PM - 7:10PM, SciTech (PW): Colgan Hall 304B
Phone: (703) 993-7182; Email: aullah3@gmu.edu
Office Hour: Tuesday: 1:00 PM-4:00 PM or by appointment in (Colgan Hall), Room: 322

Prerequisite: Admission to the Ph.D. program in biosciences or bioinformatics, CHEM 663 or equivalent.

Objective of the course: Introduction to systems biology with an emphasis on approaches currently employed and the types of scientific questions studied.


Grading Policy: The course grade will be determined as follows:

<table>
<thead>
<tr>
<th>Activities</th>
<th>Percent of Final Grade:</th>
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<tbody>
<tr>
<td>Mid-Term Project</td>
<td>30%</td>
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<tr>
<td>Final Exam</td>
<td>40%</td>
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<tr>
<td>Final Project</td>
<td>30%</td>
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Grades are assigned on the following basis:

90 to 100%: A;
80 to 89.99%: B;
70 to 79.99%: C;
60 to 69.99%: D;
Less than 60%: F.

Students are expected to attend lecture and participate in class. Students are expected to take initiative and read references referred in lecture.

Academic Honesty Policy:
Academic dishonesty will not be tolerated. This includes cheating, plagiarism, and falsification of academic records. That being said, you can help each other out on the homework (this does not mean that you can copy each other's homework).

**Tentative Course Schedule:**

Tuesday, August 27 - Introduction to Systems Biology, Chapter 1
Tuesday, September 3 - Chapter 2
Tuesday, September 10 - Chapter 3
Tuesday, September 17 - Chapter 4
Tuesday, September 24 - Chapter 5
Tuesday, October 1 – Midterm Project
Tuesday, October 8 - Chapter 7
Tuesday, October 15 - No class due to Fall Break
Tuesday, October 22 - Chapter 8
Tuesday, October 29 – Chapter 9
Tuesday, November 5 - Calcium Signaling
Tuesday, November 12 - Physiological Modeling: The heart as an example
Tuesday, November 19 - Chapter 10
Tuesday, November 26 – Final Project
Tuesday, December 2nd --Final Projects
Tuesday, December 18 - Final Exam 4:30-7:10

*Changes if needed will be announced in the class.*