

# **Bioinformatics**

**CS300**

**Details about Exam 2**

**Fall 2017**

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# Exam2

- Wednesday 1 November 2017 during lab.
- Multiple choice and very similar to exam 1
- Ten questions, ten points a piece.
- Conceptually-oriented, concerning material from class discussion, slides and activities





# Topics

- Gene sequencing
- Horizontal gene transfer
- Blast, tasks and outputs
- Annotation tasks for a newly sequenced genomes
- Gene prediction
- Genomes
  - Prokaryotic and Eukaryotic
- Substitution matrices
- Translation of Genes in DNA
- Open reading frames, NCBI's ORF finder tool
- Gene prediction landmarks