

CS 4884: Computational Biology and Bioinformatics Capstone Syllabus Spring, 2016

1 General Course Information

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| CRN | 19513 |
| MEETING TIME | 5:00 PM–6:15 PM; Tuesday/Thursday |
| CLASSROOM | McBryde 126 |

Instructor: Lenwood S. Heath

- **Office:** 2160J Torgersen Hall
- **Office Hours:** 9:00–11:00 Tuesdays and Thursdays
- **Email:** heath@vt.edu

Web Site: <http://courses.cs.vt.edu/cs4884/Spring2016/index.php>

Piazza: <https://piazza.com/vt/spring2016/cs4884>

Canvas: Used for grades and assignment submission.

Prerequisites: CS 3824

Textbook: None required

Books On Reserve: For current list, see course Web site.

2 Course Description

This course builds on the introduction to computational biology and bioinformatics (CBB) found in CS 3824. The emphasis is on a semester-long team project in CBB. Potential projects will be introduced the first week of class. Teams and projects will be decided upon by the second week of class. Class time will emphasize review of relevant papers from the literature and team progress reports. Final project reports will summarize the entire project and emphasize each team member's contributions.

3 Grading Policy

Grading for the course is on a 1000-point scale, with the points distributed as follows:

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| Project assignments: 4 at 100 points each | 400 |
| Final project report: | 250 |
| Class presentations: 3 at 100 points each | 300 |
| Class participation: | 50 |

All project assignments must be prepared with \LaTeX ¹ or other word processing system and submitted as a PDF through Canvas on the due date². Use of \LaTeX is **strongly** recommended, though not absolutely required. **No late project assignments will be accepted.** The emphasis in the course is on a course project that will require collaboration among students as a project team. To further the course project, there will be project discussions in class as well as papers from the literature presented in class.

4 Readings

For many classes, there is a reading assignment to be completed by class time. See the course Web site about one week prior to the class date.

5 Ethics

The Honor Code applies. All work submitted must be the student's own work. A student may solicit help with project assignments only from the instructor. However, the course project is done in a collaborative fashion that does allow students to work as a team.

6 Announcement

If any student needs special accommodations because of a disability, please contact Professor Heath during the first week of classes.

¹See \LaTeX resources on the course Web site.

²See due dates on the course Web site.