

## **Grading Rubric For Haverford Biology's 40X Senior Research Tutorial courses**

The Biology Faculty prepared this sheet for you to clarify expectations for senior research courses. Students nominally should expect to spend 10 hours per week per senior research credit working in lab; however, engagement in and commitment to the intellectual focus of your project remain the best measures of progress.

**CIP:** Course in Progress. A CIP implies that the senior research course is being graded as a two-semester course and that grades for both semesters will be awarded at the end of the second semester. You should speak with your advisor to identify your own strengths and weaknesses. If you wish to receive a numerical grade at the end of your first semester for any particular reason, e.g., you are applying to graduate schools and wish them to have your research grade, you should discuss this with your advisor.

- 4.0** Independent intellectual involvement in work. Evidence of productivity commensurate with credit hours. Makes project their own. Makes creative contribution to design and analysis of experiments. Excellent use of lab notebook with up-to-date and comprehensive recording, tabulating, and analysis of data. Capable of interpreting own data and having good ideas of how to proceed. Critical thinking displayed in lab meetings. Significant intellectual contribution to the department's research goals.
- 3.7** Deep involvement in work and genuinely conscientious. Displays initiative in design and analysis of experiments. Intellectual involvement extends to solid understanding of research project and related literature. Excellent lab notebook. Contributions in lab meetings are consistent and insightful. Intellectual contribution to the department's research goals.
- 3.3** Very solid performance and completely reliable and reproducible experimental work. Exhibits independence. Competent presentations in lab meetings. Clear, organized lab notebooks.
- 3.0** Fulfills requisite requirements of participation in laboratory work and lab meetings. Maintains an acceptable lab notebook.
- 2.7** Performance in experimental work and lab meetings is fair. Not many mistakes made, but work generally weak in execution.
- 2.3** Less than adequate attendance in the lab. Attends lab meetings, but shows poor participation.
- 2.0** Infrequent participation in the lab and lab meetings, and poor but honest work. Lab notebook shows evidence of confusion and is inadequately maintained.
- 1.7 (or less)** Work that does not meet the passing standard for major credit. Grades in this range will be given after discussion among the faculty in the department.