

Independent Research in Professor Samet's Laboratory

I. Academic Year Projects

These projects may span one, two, or more semesters. Regardless, the following is required *each semester*:

A. Full Credit Independent Research Course (Chemistry 550)

1. Devote approximately 8 hours of laboratory time per week.
2. Devote approximately 3 hours per week outside of laboratory time to read literature and analyze data (this may vary week to week).
3. Present research results in the form of a poster at the Annual Science Dinner (usually in April) and/or a departmental seminar.
4. Submit a written report of the research accomplished, including data analysis.
5. Keep a thorough laboratory notebook.

B. Half Credit Independent Research Course

I do not usually approve these, as this model does not provide ample time to accomplish anything significant in the laboratory. Under special, compelling circumstances, I might allow this, and the following would be required:

1. Devote approximately 4 hours of laboratory time per week.
2. Devote approximately 2 hours per week outside of laboratory time (see #2 above)
3. Present a poster at the Annual Science Dinner
4. Submit a written report of the accomplished work.
5. Keep a thorough laboratory notebook.

C. Summer Research Experience

1. Devote 8 weeks of full-time* work in the research laboratory.
2. Present research results in the form of a poster at the Annual Science Dinner *and at a local, regional, or national meeting.*
3. Keep a thorough laboratory notebook.
4. Submit a written report of the work accomplished, with a heavy emphasis on data analysis.
5. Take part in the preparation (usually proofreading and making figures, tables, etc.) of a manuscript to be submitted to a peer-reviewed journal.

*Note Well: The summer research student will receive room and board and a stipend, but no course credit. This is a much more intensive research experience than that obtained during a semester. In a sense, it is an immersion experience. As will be discussed in detail, the ongoing research in my laboratory does not always fit into a "9-5" schedule. Often, in the summer, students will be collecting data and checking experiments at night (usually for a total of 45 minutes to an hour) and sometimes on weekends. In addition, some data analysis may need to be performed in the evenings, especially in the event that we need to know the gist of what happened with an experiment so that we know what to do the next day, so as to use our time efficiently. All of these details will be discussed prior to the selection of a research student.