



Chemistry and Biochemistry Research, CHEM 488

2-3 Credits

Spring 2021

General Information

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| <i>Instructor:</i> | Dr. Tom Green | <i>Office Location:</i> | Reichardt 174 |
| <i>Email:</i> | tkgreen@alaska.edu | <i>Office Hours:</i> | TBA, by Zoom. |



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Course Goals

Involvement in research can be an important ingredient in a successful and satisfying undergraduate program in chemistry or biochemistry. This course was established to give undergraduates a chance to participate in ongoing research projects in departmental laboratories, to discuss possible projects with department faculty, carry out the research, write a research report, and present a poster.

Student Learning Outcomes

Students learn how current chemistry and biochemistry studies are conducted through direct research experience.



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Finding a project. After meeting with a faculty mentor about the research, write up a half-page statement outlining the proposed research project, including one reference, and a description of possible hazards associated with the project. You need to get signatures of your research mentor and Emily Reiter, Safety Officer. This should be submitted by September 15 of the semester by email a PDF file to tkgreen@alaska.edu. Please also send a copy to your mentor. This statement should be written in consultation with your research mentor. For more information about faculty and their research areas, visit the faculty web pages at <http://www.uaf.edu/chem/faculty>

Continuing students. *Each semester* 488 students must hand in a half-page statement outlining that semester's proposed research. If the procedures or materials of your ongoing project are different this semester than last, also note that at the bottom of the page, and get the signatures of your research professor and Emily Reiter. We need continuous documentation that you and your research professor are aware of the potential hazards of carrying out this research project in his or her lab.

Summary reports. You will need to write up 2 periodic progress summaries (background literature research, things you have tried, whether successful or not) during the course of the semester. These reports should be no longer than 1 page, double-spaced. The amount of research you present must be judged by the professor (Green) to be appropriate for the number of credits you are signed u 0 1 rg g7nBTf1 0 0 1 df credits .01 Tm0 g0 Ge a3h



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Acting as a substitute or utilizing a substitute;

Deceiving faculty members or other representatives of the university to affect a grade or to gain admission to a program or course;

fabricating or misrepresenting data;

Possessing, buying, selling, obtaining, or using a copy of any material intended to be used as an instrument of assessment in advance of its administration;

Altering grade records of their own or another student's work;

Offering a monetary payment or other remuneration in exchange for a grade; or

Violating the ethical guidelines or professional standards of a given program.

For more, see [Students Rights and Responsibilities](#).

Extended Absence Policy

Extended absences are defined as missed classes or course work by students beyond what is permissible by the instructor's written course policies. Students may need to miss class and/or course work for a variety of reasons, including, but not limited to:

- Official UAF activities such participation in athletic events, conferences, etc.

- Bereavement

- Personal illness or injury

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that UAF students have equal access to the campus and course materials. I will work with the Office of Disabilities Services (208 Whitaker, 907-474-5655) to provide reasonable accommodation to students with disabilities uaf.edu/disability/

