6. *CURRENT CATALOG DESCRIPTION AS IT APPEARS IN THE CATALOG: including dept., number, title and credits*

**CHEM F488 Undergraduate Chemistry and Biochemistry Research**
1-6 Credits

[redacted]

*JUSTIFICATION FOR ACTION REQUESTED*

[redacted] committees is to scrutinize course change and new course

ATTACH COMPLETE SYLLABUS (as part of this application).

Note: The guidelines are online: http://www.uaf.edu/uafgov/faculty/cd/syllabus.html
The department and campus wide curriculum committees will review the syllabus to ensure that each of the items listed

# Chem 488 Undergraduate Research

2010-2011

Instructor: William Simpson
Office: 186 Reichardt Bldg
Contact: 474-7235, wrsimpson@alaska.edu

Safety Officer: Emily Reiter
Office: 194A Reichardt Bldg
Contact: 474-6748, e.reiter@alaska.edu

[redacted]

**Number of credits.** Credits are assigned at the beginning of the semester when students enroll, but may be subject to change as the result of consultation between the student and professor. One credit of 488 is reserved generally for library or small computational projects. In general, 2 credits provides an absolute minimum amount of time to accomplish a laboratory project; the usual lab-based project will require about 3 credits per semester. More than 3 credits per semester generally will not be approved. Each credit of 488 corresponds to an average weekly minimum of 3

[redacted]

writing, and reading outside of lab.

**Finding a project.** New 488 students, or those working with a different professor, must

[redacted]

to find out how he or she defines satisfactory progress on, or completion of, a research project. The [redacted] of the grade are described in the table below.

| Grade component | Points |
|---|---|
| Progress Presentations (10 pts each, 7 required) | 70 |
| Poster | 15 |
| Semester Research Paper | 40 |
| **Total** | **125** |

The grading scale is straight letter grades with no +/-. The cutoffs bwtween the A, B, C, D, and F grades are 90%, 80%, 70%, and 60%.

**Attendance.** Establish a regular schedule of attendance in the lab in consultation with your mentor. You may also be asked to attend a regular research discussion with your mentor, and/or group meetings, which are informal research or literature discussion sessions held every so often during the semester. In addition to our class's weekly meetings (described above), regular [redacted]

**Notebook.** Research-style notebooks must be obtained from the Department of Chemistry [redacted]

University of Alaska Fairbanks
Department of Chemistry & Biochemistry

Undergraduate Research, Chemistry 488

Student Name_____
UAF email address_____@alaska.edu

Return this page with three or more signatures to Simpson's mailbox in Reichardt 194 no later than the 3rd Friday of the semester. Include a half-page description of the proposed

[redacted]

Cathy Cahill ..... _____ Date:_____
Thomas Clausen . _____ Date:_____
Kelly Drew ..... _____ Date:_____
Lawrence Duffy .. _____ Date:_____
Brian Edmonds ... _____ Date:_____
Thomas Green .... _____ Date:_____
[redacted]

[redacted]

John Keller ..... _____ Date:_____
Thomas Kuhn ..... _____ Date:_____
Brian Rasley ..... _____ Date:_____
Marvin Schulte .... _____ Date:_____
William Simpson _____ Date:_____
Thomas Trainor .. _____ Date:_____

I have agreed to serve as research mentor for the above student. A brief description of the proposed research, along with a statement of possible laboratory hazards associated with the project, is attached.

_____ Date:_____
Mentor Signature

_____ Number of Credit hours_____
Mentor Print name

Write neatly on this, or type up your own.

University of Alaska Fairbanks
Department of Chemistry & Biochemistry
Undergraduate Research, Chemistry 488

Name_____ Semester_____
Mentor_____

Description of proposed research:

Overview of planned laboratory procedures and materials, including descriptions of

# 488 Laboratory Check-Out List

Name _____

Advisor _____ Lab Space(s) Used

_____

Check out performed by _____ on__/___/_____

Approved by PI? _____ on__/___/_____

| | Checked |
|---|---|
| Desk/office area cleared: books, files, personal materials<br>Comments: | |
| Turned in your lab notebook/copies of data/data files | |
| Benchtop/work area cleared<br>Comments: | |
| Chemicals or solutions remaining—clearly labeled<br>Comments: | |
| Samples or items in refrigerator or freezer in lab and/or in department<br>Comments: | |
| Waste bottles remaining<br>Comments: | |
| Dishes cleaned and returned.<br>Comments: | |
| Fume hoods empty and clean<br>Comments: | |
| Equipment borrowed from stockroom or other labs? Returned?<br>Comments: | |
| Chemicals borrowed or used up from stockroom or other labs?<br>Comments: | |
| Gas cylinders returned stockroom? | |