

**Nutritional Biochemistry**

**Chem 494**

**3 credits**

**Instructor:** Kriya Dunlap, 474-2766, [kldunlap@alaska.edu](mailto:kldunlap@alaska.edu)

**Office Hours:** Department of Chemistry and Biochemistry  
West Ridge Research Building (WRRB), 230  
Tuesday 4:00 ó 5:00 pm

**Lecture:**

**Course Goals:**

- Connect chemical and physical properties of nutrients with their cellular functions.
- Gain an understanding of the role of diet and exercise in mitigating disease.
- Identify the sources of nutrients in the food supply and their role in disease prevention.
- Study research tools and biomedical research models at UAF
- Write a proposal for submission to BLaST or INBRE.
- Discuss current IACUC/IRB and address compliance issues pertaining to their projects.

**Learning Outcomes:**

- Students will be able to identify molecular components in the food supply and their role in disease prevention.
- Students will learn how the chemical and physical properties of nutrients

**Evaluation:**

Attendance/Readings/Discussion/Participation 100 pts

Dunlap

**Disabilities Services:**

We will work with the Office of Disabilities Services (203 WHIT, 474-7043) to provide accommodations for students with disabilities. If you have a disability and require special assistance, please contact the instructor as soon as possible. Students with disabilities must provide a written statement indicating any special requirements that will be necessary as early in the semester as possible (preferably within the first week).