

# Course Syllabus

## STAT 496: Research in Statistics

- Description:** *Students undertake a research problem in statistics under the direction of a faculty member. Written and oral reports are required.*
- Prerequisites:** Consent of the chair of the Department of Mathematics and Statistics
- Audience:** Statistics majors, actuarial science majors, applied statistics minors, or other students interested in statistics research
- Credit Hours:** 0-3
- Format:** Varies by project, but typically consists of a weekly meeting with the faculty research advisor along with independent work
- Time Commitment:** Students are expected to average approximately 3 hours per week per credit hour on the research project. (Students taking the course as 0 credits should average at least 1 hour per week.)
- Textbook:** Varies by project
- Grading:** S/U grade only. A grade of S is earned based upon sufficient effort put into the research project, regular attendance of the student at weekly research meetings, and satisfactory quality of the written and oral reports.
- Honor Code:** Students are expected to uphold the University Honor Code (*"I have neither given or received, nor have I tolerated others' use of, unauthorized aid."*) .
- AARC:** The Access and Accommodations Resource Center (AARC) is the campus office that works with students to provide access and accommodations in cases of diagnosed mental or emotional health issues, attentional or learning disabilities, vision or hearing limitations, chronic diseases, or allergies. You can contact the office at [aarc@valpo.edu](mailto:aarc@valpo.edu) or 219.464.5206. Students who need, or think they may need, accommodations due to a diagnosis, or who think they have a diagnosis, are invited to contact AARC to arrange a confidential discussion with the AARC office. Further, students who are registered with AARC are required to contact their professor(s) if they wish to exercise the accommodations outlined in their letter from the AARC.
- Notice of Cancellation:** If a regularly scheduled meeting with your faculty research advisor is cancelled, you will be contacted through your Valparaiso University e-mail.

**Emergency  
Protocol:**

VU's Emergency Notification System (ENS) uses multiple forms of communication, including e-mail, building alarms, outdoor sirens, message boards, computer alerts, Twitter, and public address messaging. Please review the specific procedures for this class found in Blackboard. Remember: "Siren inside, GO outside; Siren outside, GO inside." To evacuate, gather your personal belongings quickly and proceed to the nearest exit. Do not use the elevator. To shelter in place, move away from the windows and stay low to the ground; lock or barricade the door if there is a threat of violence.

**Student Learning Objectives:**

- A. Students can apply and synthesize the statistical skills they have learned in their coursework to a novel research problem.
- B. Students deepen and expand their statistical knowledge and understanding.
- C. Students can effectively communicate their research methodology and results in both oral and written form to both technical and general audiences.