

NRM669 Syllabuş spring 2023

TITLESurvey Research in Human Dimension Statural Resources

NUMBER: NRM69

CREDITS: 3

1:15 to 2:45

assessing reliability and validity, developing a sampling plan, data management, data analysis, and reporting results.

Additional course description

Social science surveys are a valuable tool to advance our understanding of the interaction between humans and the environment. As such they are extensively applied to academic research and to pressing management issues. However, obtaining valid results requires careful attention to defining research constructs, design of the questionnaire, sampling, and analysisolihise will provide an advanced exploration of the principles of survey design and analysis, with an emphasis on natural resourcerelated applications. The course will present an overview of social science research programs that are commonly applied in Impan dimensions of natural resources survey research, provide insight into their associated measurement concerns, and detail how to appropriately construct a survey and analyze results with respect to study objectives assignments will incorporate ur thesis dissertation project.

COURSE GOALS

The course will provide students with knowledge of the following topics:

- x How survey research can support management decisions
- x Social psychology topics most often applied in natural resource management
- x Statistical analysis in SP\$3 stats program of your choice)
 - Documenting results in a report
- x Institutional Review Board

STUDENT LEARNING OUTCOMES

Upon successful completion of this course, the students will have the tski

- x Evaluateadvancedsurveybased research projects (e.gcademic journals, technical reports, scientific presentation) sto determine whether the methods utilized resulted in study objectives being met
- x Complete all phases of a priginal survey based research proje (e.g., a novel research question, advancement of previous research) cluding developing study objectives, selecting the most appropriate survey method and developing the questionnaire, coding data and conducting statistical alysis, and documenting results.
- x Present results in an appropriate format (e.g., APA, The Chicago Manual of Style).
- x Contribute to the academic literatur(e.g., correctly format methods, results, etc.; respond to reviewer comments

COURSE READINGS/MATALS

Required texts

- x Vaske, J. J. (29). Survey research and analysis: Applications in parks, recreation and human dimensions 2nd. State College, PA: Venture Publishing.
- x Morgan, G. A., Gliner, J. A. Harmon, R. J. (2006). Understanding and evaluating research in applied and clinical settings. Mahway, NJ: Lawrence Erlbaum.

Additional readings will be assigned, and are noted in the class schedule. These readings will be posted to Canvas

TECHNICAL REMEMENTS FOR COURSE

Students must have regular access to a cotepand the Internet to access aterials in Canvas Students will be expected to download course material as well as upload assignments.

Lab sessions will use the software program SPS\hstatled on the computers in 359 O'Neill. Distance students will be required to secure their own copy. SPSS can be rented for six months 490+\hstate{30} as \$4.99 download fee from https://estore.onthehub.com/WebStore/OfferingDetails.aspx?o=9d56569b 2d5f-e911-8115-000d3af41938&pmv=304b1dffb5d-e911-8115-000d3af41938

(Google "SPSS onthehub")

INSTRUCTIONAL METHODS

The class will consist afcredits of lecturand a1-credit lab section. The lecture sections will be based on course readings; it is expected you come to class having read the material and are prepared to discuss the material.

The lab will **o**nsist of becoming familiar with survey data (level of measurement, coding data, creating data bases, data management), analysis, and creating surveys.

Writing and conducting surveys x Vaske: ch. 7 Week 6 2/20 to 2/24

x Morgan et al.: chapters 1116 Exam 1. Covers material through week 5

Week 15 4/24 to 4/28	Case study xTBA xMorgan et al.: chapters 34 & 37
Lab 14	Linking survey design to analysis Mediation and Moderation xVaske: ch20
May 5	Final exam due

COURSE POLICIES

This course will adhere to the following policies.

- x Points, equivalent to one letter grade per day late, will be deducted for late assignments (unless arrangements have been made, see below).
- Due dates for assignments can be adjusted and exams can be rescheduled/made up for legitimate reasons (illness, family issues, UAF athletic travel, conference travel) if prior arrangements are made. absolutely unforeseen circumstances occur and prior arrangements have not been made, exceptions might be granted on a case by case basis.
- x It is expected that you attend all lectures omplete all lecture based assignments, attend lab, and participate in all lab assignments.

EVALUATION POLICIES

Students will be evaluated on weekbcture-based assignments (viewing/reading supplemental material and posting to discussion forums, writtensignments, and quizzes), lab assignments, and three exams. Exams and assignments will be evaluated in comparison to the correct answer as indicated by the course readings and lecture material. Discussion forums will be evaluated based on evidence of critical thinking about the topic, contribution to the overall discussion, and respect for other students. Successful participation will require you to complete the discussions in a timely and professional manner. Lecturebased assignments will vary in tasks and expectations last page for a list of assignments general rubic is on the next page, the ratio of critical thinking to written communication will be posted with each assignment/discussion.

Plus and minus grades will be used. Grades will not be cultived components of the final grade and their contribution to the overall grade are as follows.

Weight for final gradé		Requi			
Weekly lecturebased assignments	35%	A + > 96	B+ 87 to 89	C+ 77 to 79	D+ 67 to 69
Lab assignments	35%	A 93 to 96	B 83 to 86	C 73 to 76	D 63 to 66
Exams	30%	A- 90 to 92	B- 80 to 82	C- 70 to 72	D- 60 to 62

¹It is important to note the weights are applied to your average score within each category. Thus, the absolute point value is not the appropriate metric to determine the relative worth of any one assignment.

²Includesdiscussionswritten assignments, anduizzes. While there will be weekly assignments, the assignments on weeks with exams will be less intense than other weeks.

³Each lab will have an assignment.

⁴There will be two exams during the semester and a final exam.

⁵These numbers represent percentages.

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- 3. There are supportivmt2.7(v)85(m)3 13.tie so(u)5.3(v-3(d)2.3 Tw 13.217 0 Td [(r u)2.4CS1 cs 0.[(ilabre)-



start	end Week	Topics Covered	Discussion	Assignment	Quiz	Exam
16-Jan	20-JanWeek 1	Course introduction	Find complex issue / respond			
23-Jan	Week 2 27-Jan	Common topics in survey-based huma dimensions research	Build on complex issue / respond	Bears in Anchorage - ID topics 2 Apply topcis to your graduate projet		
30-Jan	3-Febu7(e)-27	.3(c)31(t)]TJ ET Q q 72.505714 4563(-)-19.3	3(Tw 0 028 Tm [(23-)-67.4(J)7)-29.7(d 34505714F	F)-47.6(e).7(ui)-29.6((i)-19.7(sc)19(u)4.0	6(ssi)-19.6(W01e0.7(800.034 Tw 7.5	575.6(M)63