

FLORIDA ATLANTIC UNIVERSITY™

Graduate Programs—NEW COURSE PROPOSAL¹

UGPC APPROVAL _____
 UFS APPROVAL _____
 SCNS SUBMITTAL _____
 CONFIRMED _____
 BANNER POSTED _____
 CATALOG _____

DEPARTMENT
SCHOOL OF URBAN AND REGIONAL PLANNING

COLLEGE
COLLEGE FOR DESIGN AND SOCIAL INQUIRY

RECOMMENDED COURSE IDENTIFICATION (TO OBTAIN A COURSE NUMBER, CONTACT NMALDONADO@FAU.EDU)

EFFECTIVE DATE

PREFIX URP COURSE NUMBER 6204 LAB CODE (L or C) C

(first term course will be offered)

COMPLETE COURSE TITLE:

PLANNING METHODS II

FALL 2016

CREDITS²

TEXTBOOK INFORMATION

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KENNETH J. MEIER, JEFFREY L. BRUDNEY, AND JOHN BOHTE, APPLIED STATISTICS FOR PUBLIC AND NONPROFIT ADMINISTRATION, 8TH EDITION, BOSTON, MA: WADSWORTH, 2012.

GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR X SATISFACTORY/UNSATISFACTORY _____

COURSE DESCRIPTION, NO MORE THAN THREE LINES:

AN INTRODUCTION TO STATISTICS, WITH EMPHASIS ON PRACTICAL PROBLEMS RELEVANT TO URBAN PLANNING.

PREREQUISITES*

COREQUISITES*

REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL)*

* PREREQUISITES, COREQUISITES AND REGISTRATION CONTROLS WILL BE ENFORCED FOR ALL COURSE SECTIONS.

MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE:

MEMBER OF THE GRADUATE FACULTY OF FAU AND HAS A TERMINAL DEGREE IN THE SUBJECT AREA (OR A CLOSELY RELATED FIELD).

Faculty contact, email and complete phone number:
Steven Bourassa, Director, School of Urban and Regional Planning (SURP), sbourassa@fau.edu, (561) 297-4164

Please consult and list departments that might be affected by the new course and attach comments.³ The School of Public Administration (SPA) teaches a similar but with a prerequisite and no emphasis on planning applications. Note that the submitter is Director of both SURP and SPA.

Approved by:

Steven C. Bourassa

Digitally signed by Steven C. Bourassa
 DN: cn=Steven C. Bourassa, o=FAU, ou=Director,
 SURP, email=sbourassa@fau.edu, c=US
 Date: 2016.02.01 15:27:35 -05'00'

Date:

2/9/16

1. Syllabus must be attached; see guidelines for requirements: www.fau.edu/provost/files/course_syllabus.2011.pdf

2. Review Provost Memorandum: Definition of a Credit Hour www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf

3. Consent from affected departments (attach if necessary)

Department Chair: _____

College Curriculum Chair: _____

College Dean: _____

UGPC Chair: _____

Graduate College Dean: _____

UFS President: _____

Provost: _____

Email this form and syllabus to UGPC@fau.edu one week before the University Graduate Programs Committee meeting.

**School of Urban and Regional Planning
College for Design and Social Inquiry
Florida Atlantic University**

**Syllabus
URP 6204 Planning Methods II
Spring 2017**

Instructor: Dr. Steven Bourassa
Office: SO 284-J
Email: sbourassa@fau.edu
Phone: (561) 297-4164

Credit hours: 3
Class meetings: Time and location TBA
Office hours: Thursdays, 4-6 pm

Course Description

This course provides an introduction to statistics, with emphasis on applications to practical problems relevant to urban planning. The course is required for students in the MURP program. Topics that will be covered include basic research design, descriptive statistics, probability, sampling, hypothesis testing, correlations, significance tests, and linear regression.

Course Objectives

Quantitative data are important in urban planning and urban policy analysis. This course is designed to improve your understanding of quantitative data and your ability to make reasoned judgments using that data. The course will help you to evaluate the strengths and weaknesses of statistical arguments made in support of or in opposition to various policy proposals. Students completing this course will be able to:

- read, comprehend, and interpret the results of a statistical table, chart, or graph;
- generate statistics that describe a population of interest;
- explain the motivation for sampling and the concept of statistical inference;
- understand what statistical significance means (and what it does not mean);
- apply appropriate measures to describe relationships between variables;
- formulate a research question to better understand a social or policy issue;
- test hypotheses concerning the issue and its causes or consequences;
- construct a linear regression model and explain how the outputs may be interpreted; and
- use Excel to perform basic statistical analyses.

Students completing this course will be prepared to enroll in more advanced courses in statistics focusing on regression analysis and other multivariate techniques.

Textbook

Kenneth J. Meier, Jeffrey L. Brudney, and John Bohte, *Applied Statistics for Public and Nonprofit Administration*, 8th edition, Boston, MA: Wadsworth, 2012.

Other Course Materials

Data sets needed to answer the homework questions marked with a computer symbol and any additional materials needed will be posted on Blackboard.

Course Requirements

One class session will be devoted to each topic or set of topics (usually covered by one or two chapters in the textbook). The first half of each session will be a lecture covering the important points from the relevant chapters. Students are expected to read the assigned chapters in advance of each lecture. The second half of each session will be a lab during which students will learn how to answer questions relevant to the session’s topic. Homework questions will be assigned at the end of each class. These questions will be drawn from the questions at the end of each chapter. Homework assignments will also be posted on Blackboard. Homework answers must be uploaded to Blackboard by the posted deadlines (no later than midnight two days prior to the next class). Late submissions will not be accepted. The required format for homework assignments will be explained in class. Note that answers to some of the odd-numbered questions are given at the back of the book. Students are strongly encouraged to do more of the questions than just those that are assigned for homework.

In addition to the homework assignments, there will be three quizzes that will respectively cover chapters 1 to 6, 7 to 12, and 13 to 17, and a final exam that will cover the entire semester.

Grading

The final grade for the course will be calculated as follows:

- homework assignments: each of the 10 assignments will count 5% toward the final grade;
- quizzes: each of the three quizzes will count 10% toward the final grade; and
- final exam: this will count 20% toward the final grade.

The assignments, quizzes, and final exam will each be assigned a numerical score (up to 100%) and the scores will be averaged as indicated above and converted at the end of the semester into a letter grade. Numerical scores and their letter grade equivalents are as follows:

90–100: A	85-89: A–	
80–84: B+	75–79: B	70–74: B–
65–69: C+	60–64: C	55–59: C–
50–54: D	0-49: F	

Class Schedule

Date	Topics, reading assignments, homework due, and quizzes
Week 1	<p><i>Topic:</i> Statistics, measurement, and research design</p> <p><i>Required reading (in advance):</i> Chapters 1, 2, and 3</p>

Week 2	<p><i>Topic:</i> Frequency distributions and measures of central tendency</p> <p><i>Required reading:</i> Chapters 4 and 5</p> <p><i>Homework assignment #1:</i> due midnight two days before class</p>
Week 3	<p><i>Topic:</i> Measures of dispersion</p> <p><i>Required reading:</i> Chapter 6</p> <p><i>Homework assignment #2:</i> due midnight two days before class</p>
Week 4	<p><i>Review of Weeks 1-3 and Quiz #1:</i> Chapters 1 to 6</p> <p><i>Homework assignment #3:</i> due midnight two days before class</p>
Week 5	<p><i>Topic:</i> Introduction to probability and the normal probability distribution</p> <p><i>Required reading:</i> Chapters 7 and 8</p>
Week 6	<p><i>Topic:</i> Binomial probability distribution</p> <p><i>Required reading:</i> Chapter 9</p> <p><i>Homework assignment #4:</i> due midnight two days before class</p>
Week 7	<p><i>Topic:</i> Inference</p> <p><i>Required reading:</i> Chapter 11</p> <p><i>Homework assignment #5:</i> due midnight two days before class</p>
Week 8	<p><i>Review of Weeks 5-7 and Quiz #2:</i> Chapters 7, 8, 9, and 11</p> <p><i>Homework assignment #6:</i> due midnight two days before class</p>
Week 9	<p><i>Topic:</i> Hypothesis testing</p> <p><i>Required reading:</i> Chapter 12</p>
Week 10	<p><i>Topic:</i> Estimating population proportions and testing the difference between two groups</p> <p><i>Required reading:</i> Chapters 13 and 14</p> <p><i>Homework assignment #7:</i> due midnight two days before class</p>

Week 11	<p><i>Topic:</i> Contingency tables</p> <p><i>Required reading:</i> Chapter 15 and 16</p> <p><i>Homework assignment #8:</i> due midnight two days before class</p>
Week 12	<p><i>Review of Weeks 9-11 and Quiz #3:</i> Chapters 12 to 16</p> <p><i>Homework assignment #9:</i> due midnight two days before class</p>
Week 13	<p><i>Topic:</i> Introduction to regression analysis</p> <p><i>Required reading:</i> Chapters 18 and 19</p>
Week 14	<p><i>Topic:</i> Multiple regression and regression output</p> <p><i>Required reading:</i> Chapters 21 and 23</p> <p><i>Homework assignment #10:</i> due midnight two days before class</p>
Finals Period	<i>Final Exam</i>

Statement on Academic Dishonesty

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001.

Student Accessibility Services

In compliance with the Americans with Disabilities Act (ADA), students who require special accommodation due to a disability to properly execute course work must register with the Student Accessibility Services (SAS)—in Boca Raton, SU 133 (561-297-3880); in Davie, LA 131 (954-236-1222); or in Jupiter, SR 110 (561-799-8585)—and follow all SAS procedures (see <http://www.fau.edu/sas/> for procedures and forms).

Student Success Resources

If you read the book, take good notes, study for quizzes, and read the assignment instructions closely, you should succeed. If you are having problems reading assignments, or having difficulty with exams or quizzes, or completing computer assignment, see your instructor during office hours or contact your instructor via email. It is imperative that you contact your professor early in the term if you are having problems with this course. Do not wait until the end of the term to seek assistance. If you need

individualized help or tutoring in reading, writing, taking notes, or other academic issues, please see one of the help centers listed below:

UNIVERSITY CENTER FOR EXCELLENCE IN WRITING

<http://www.fau.edu/UCEW/WC/>

LEARNING COMMUNITY

<http://www.fau.edu/class/LearningCommunity/>

TUTORING, STUDY HELP, & ACADEMIC SUPPORT

<http://www.fau.edu/ctl/TutoringStudyHelpAndAcademicSupportStudentResources.php>

CENTER FOR LEARNING AND STUDENT SUCCESS

<http://www.fau.edu/CLASS/>

CAREER DEVELOPMENT CENTER

<http://www.fau.edu/cdc/>

STUDENT INVOLVEMENT AND LEADERSHIP

<http://www.fau.edu/sil/>

If you are having personal problems and need guidance or help, please contact one of the centers listed below:

OFFICE OF HEALTH AND WELLNESS

<http://www.fau.edu/wellness/index.php>

<http://www.fau.edu/wellness/staff.php>

COUNSELING CENTER

<http://www.fau.edu/counseling/>

STUDENT INTERVENTION TEAM

<http://www.fau.edu/studentsindistress/index.php>

<http://www.fau.edu/studentsindistress/aboutus.php>

<http://www.fau.edu/studentsindistress/SITrole.php>

STUDENT CRISIS AWARENESS COMMITTEE

<http://www.fau.edu/studentsindistress/SCACROLE.php>

Syllabus subject to change!