FLORIDA ATLANTIC UNIVERSITY™

Graduate Programs—COURSE CHANGE REQUEST[1]

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

DEPARTMENT: SCHOOL OF URBAN AND REGIONAL PLANNING	COLLEGE: COLLEGE FOR DESIGN AND SOCIAL INQUIRY
COURSE PREFIX AND NUMBER: URP 6200	CURRENT COURSE TITLE: PLANIMETRICS
CHANGE(S) ARE TO BE EFFECTIVE (LIST TERM):	____ TERMINATE COURSE (LIST FINAL ACTIVE TERM):
CHANGE TITLE TO: PLANNING METHODS CHANGE PREFIX FROM: TO: CHANGE COURSE NO. FROM: TO: CHANGE CREDITS[2] FROM: TO: CHANGE GRADING FROM: TO: CHANGE DESCRIPTION TO:	CHANGE PREREQUISITES/MINIMUM GRADES TO*: CHANGE COREQUISITES TO*: CHANGE REGISTRATION CONTROLS TO: *Please list both existing and new pre/corequisites, specify AND or OR, and include minimum passing grade.
Attach syllabus for **ANY** changes to current course information.	
Should the requested change(s) cause this course to overlap any other FAU courses, please list them here.	Please consult and list departments that might be affected by the change(s) and attach comments.[3]

Faculty contact, email and complete phone number:
Eric Dumbaugh, Director edumbaug@fau.edu 561 297-4280

Approved by:	*Date:*
Department Chair:	9/18/2014
College Curriculum Chair:	9/19/2014
College Dean:	9/19/14
UGPC Chair:	10/8/14
Graduate College Dean:	10-15-14
UFS President:	
Provost:	

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)

Email this form and syllabus to *UGPC@fau.edu* **one week before** the University Graduate Programs Committee meeting so that materials may be viewed on the UGPC website prior to the meeting.

URP 6200 Planimetrics

Florida Atlantic University Fall 2014

Course ID: URP 6200
CRN Number: 84031
Credit Hours: 3.00
Time: 7:10 – 10:00pm
Days Meet: Tuesdays
Classroom: SO 276

Class Website: http://bb.fau.edu
Instructor: Yanmei Li
Office: SO 284G
Office Hour: 4-6pm (MT) or by appointment
Email:yli22@fau.edu
Phone: 561-297-4282

COURSE DESCRIPTION

Planners rely heavily on the use of data and research to direct policy decisions. Whether you are ultimately employed as a regional or municipal planner or as a planning consultant, your career will entail the use of data to address planning-related problems and identify solutions. This class seeks to make you an informed user of planning-related data and applied policy research.

Effective planning requires planners to define and answer questions of interest to decision makers, and to present this information in a format that meets their needs. Thus, while this course will cover conventional statistical applications used in planning-related applications, it is not intended principally as a course in statistics. Instead, it seeks to provide you with practical instruction on how to thoughtfully define and communicate planning-related research using scholarly and academic publication and report standards.

This is a course that will require diligence and hard work to ensure your mastery of the course material. The course is roughly divided into THREE parts.

- The first part focuses on the **structure of things**: reasoning, writing, and methodology. We begin by reading and writing about the re-search of others. The focus is on identifying the underlying (conceptual and methodological) structure of these written documents.

- The second part considers **statistical decision making**, and computer programs designed to assist us in that task.

- The third part focuses on exploring other **quantitative and qualitative models and techniques** commonly used in planning decision-making, including forecasting.

COURSE OBJECTIVE

The course objective will meet the criteria indicated by PAB (Planning Accreditation Board). At the end of the semester students are expected to be able to

- Use research skills to identify, test and evaluate empirical relationships between various aspects of urban settlements
- To conduct research from conception to completion
- Use numerical reasoning and computation skills to conduct quantitative analysis of social and geographic information
- Use forecasts and scenarios to anticipate and describe future changes
- Use written, oral, and graphic skills to communicate using professional publication guidelines.

REQUIRED TEXT

There is no required text for this course. Course materials will be handed out in class or through Blackboard.

RECOMMENDED TEXT AND READINGS

Patton, Carl, David S. Sawicki and Jennifer Clark. 2013. *Basic Methods of Policy Analysis and Planning* (3rd edition). Pearson. ISBN-10: 0-13-749509-9; ISBN-13: 978-0-13-749509-2

Babbie, Earl R. 2009. *The Practice of Social Research*. 12th ed. Belmont, Calif.: Wadsworth Publishing.

Dandekar, Hemalata. 2003. The *Planner's Use of Information* (2nd ed.). Chicago: American Planning Association.

Gaber, John, and Sharon Gaber. 2007. *Qualitative Analysis for Planning & Policy: Beyond the Numbers*. Chicago: American Planning Association.

George, Darren, and Paul Mallery. 2005. *SPSS for Windows Step by Step: A Simple Guide and Reference*. 6th ed.

Healey, Joseph F. 2005. *The Essential of Statistics: A Tool for Social Research. 7th ed.*

Klosterman, Richard. 1990. *Community Analysis and Planning Techniques*. Rowman Littlefield.

McLean, Mary L., and Kenneth Voytek. 1992. *Understanding Your Economy: Using Analysis to Guide Local Strategic Planning*. Chicago: American Planning Association.

Meier, Kenneth J., Jeffrey L. Brudney, and John Bohte. 2008. *Applied Statistics for Public and Nonprofit Administration*. Belmont, Calif.: Wadsworth Publishing.

Smith, Stanley, Jeff Tayman, and David Swanson. 2001. *State and Local Population Projections: Methodology and Analysis*. Kluwer Academic/Plenum Publishers: NY.

Thompson, Bruce. 2008. *Foundations of Behavioral Statistics: An Insight-Based Approach*. The Guilford Press.

Wang, Xinhao and Rainer Vom Hofe. 2009. *Research Methods in Urban and Regional Planning*. Springer Berlin Heidelberg

Williamson, Christopher. 2008. *Planners and the Census*. American Planning Association Planning Advisory Service Report.

Periodically, other reading materials will be distributed in class, or posted on Blackboard. Students are also required to learn to retrieve articles using the library and/or online resources. Detailed reading assignments will be distributed throughout the semester and students are required to read the articles before each class for discussion purposes.

CLASS WEBSITE

This class uses Blackboard at FAU to enhance the online learning experience of students. This class website contains materials related to the course and student grades as a way to monitor progress in the class. *Students are expected to check* ***http://bb.fau.edu*** *regularly for available class information. This class will use your FAU email address in communication, so please make sure your FAU email account is working properly.*

ATTENDANCE POLICY

It is the student's responsibility to come to class on time and maintain an excellent attendance and class participation record. Roll will be taken for each class. In case of serious medical illnesses, severe weather conditions, observed religious holidays, or serious family emergency events, which prevent the students from attending regular classes, appropriate official and/or third-party signed documentary proof is needed. For those who work part-time or full-time, no work-related excuses are acceptable without instructor's approval. Work-related excuses include but are not limited to: business trips, meetings and other related obligations. Timely notice of the events, which restrict the student's capability to attend the classes, is appreciated before the classes. No after-the-fact excuses are acceptable except the aforementioned emergency events.

It is the student's responsibility to obtain all class related materials if he/she cannot make it to class due to approved excuses or emergency events.

Additional Policies:

- Turn off cell phones during class. No text messaging or reading email during class.
- Lap tops are allowed, however, they are to be used for taking notes and reviewing related web pages. Instant messaging, web "surfing" and game playing are not allowed during class.
- Arrive on time!!!

EVALUATION AND GRADING

In addition to class attendance and participation students are expected to complete two data analysis assignments, one research proposal, and one term paper based on the research proposal. The instructor will provide two or three large datasets and students are expected to formulate research questions and conduct the data analysis and research solely based on these datasets. Ph.D. students should complete the research papers following strict academic

dissertation and publication standards. Detailed assignment guidelines will be distributed throughout the semester. **All assignments must be submitted to the designated SafeAssign folder on Blackboard.** In addition to the two papers periodically students will present their findings and case studies in class, counting toward participation points.

- *Assignment 1: Article Review and Critique (10%), due on 9/2/2014*
  In this assignment students are expected to retrieve two recent articles (dated after 1995) from two different academic journals, read them, and write a CONSTRUCTIVE review. The two articles do not have to be related. Focus especially on why you are interested in the articles, the structure of the articles, the data collection process, and the soundness of the methodology. The review should be about 5-10 pages double-space typed.

- *Assignment 2: Data Collection and Basic Analysis (15%), due on 9/23/2014*
  In this short exercise students are required to collect data for a given task, run basic data analysis, and write a memo (not more than 10 pages double-space typed including appendices) to present the analysis.

- *Assignment 3: Research Proposal and Literature Review (25%), due on 10/14/2014*
  The proposal should include a title page, introduction, research question(s), a brief literature review, methodology, potential data sources, and expected results. The literature review should cite at least 10 articles/books/other sources related to the research question(s). The citation should strictly follow the APA style. The research proposal should be about 20-25 pages double-space typed. Students are also required to present their proposals to the class on the due date.

- *Assignment 4: Advanced Data Analysis (15%), due on 10/28/2014*
  This exercise will be using Excel spreadsheet (or other software) to conduct some advanced data analysis and projections.

- *Assignment 5: Term Paper (25%), draft due on 11/18/2014, final due on 12/9/2014*
  The term paper should be a comprehensive examination of the class material, extending from the midterm research proposal, and applies various methods pertaining to the research problems and questions. The paper should be 20-30 pages double-space typed. Students will present the term papers on the due date. **Students are highly encouraged to start working on the term paper early to avoid last-minute stress and anxieties.**

- *Class Attendance and Participation (10%)*
  Students should come to class on time, stay in class, and actively participate in class discussion and exercises. The participation includes, but is not limited to: general discussion, critical questions, in-class exercises, and other class activities. Be proactive when you learn. Respect each other and tolerate differences. Off-topic discussions are not encouraged in class. Role will be taken for each class.

NOTE: No late assignments are accepted, except with special permission from the instructor.
A planning student is required to get at least a C as a satisfactory grade toward your degree.

Grading Structure:

A = 94-100 (4.00); A- = 90-93 (3.67)

An "A" signifies an exceptional clear and creative grasp of the concepts of the course with demonstrated ability to apply this knowledge to specific problem situations. It also means that the student has actively participated in class activities and has completed all material in a neat and timely manner. The material indicates that the student spent extra time, personal energy, and critical reflection in an effort to demonstrate exceptional work.

B+ = 87-89 (3.33); B = 84-86 (3.00); B- = 80-83 (2.67)

A "B" signifies a solid understanding of the major concepts of the course and the ability to apply those concepts. It also means that the student's effort and class participation have exceeded the minimal basic requirements for the course. All assignments were judged to be solid in content and were completed in a timely manner.

C+ = 77-79 (2.33); C = 74-76 (2.00); C- = 70-73 (1.67)

A "C" signifies a satisfactory understanding and application of the concepts of the course as well as minimal participation in class activities. It also indicates that the student completed the appropriate assignments that satisfied the basic course requirements.

D+ = 67-69 (1.33); D = 64-66 (1.00); D- = 60-63 (0.67)

A "D" signifies a below average demonstration and application of the concepts of the course and/or inadequate preparation in class activities. It may also indicate that assignments were not completed in a satisfactory or timely manner.

F = less than 60 (0.00) (undergraduate students)
F = less than 70 (0.00) (graduate students)

An "F" signifies that the student has not demonstrated adequate understanding or application of the course material. It may also indicate that the student has not met the attendance or assignment requirements.

PLAGIARISM POLICY AND CODE OF ACADEMIC INTEGRITY

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, at:
http://www.fau.edu/regulations/chapter4/4.001_Code_of_Academic_Integrity.pdf

SCHEDULE CHANGE POLICY

The School of Urban and Regional Planning strictly adhere to University Policies, procedures, and deadlines regarding student schedule changes. It is the sole responsibility of the student to meet all deadlines in regard to adding, dropping, or changing the status of a course. Only in exceptional cases will a deadline be waived.

SPECIAL ACCOMMODATIONS

In compliance with the Americans with Disabilities Act (ADA), students who require reasonable accommodations due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD) -- in Boca Raton, SU 133 (561-297-3880); in Davie, LA 240 (954-236-1222); in Jupiter, SR 110 (561-799-8010); or at the Treasure Coast, CO 117 (772-873-3441) – and follow all OSD procedures.

Tentative Course Outline

Dates	Schedule	Assignment Due
8/19/2014	**Introduction to Course and Datasets** **Lab:** *Introduction to Databases; Microsoft Excel, PCensus, ArcGIS, SPSS and ATLAS.ti*	
8/26/2014	**Research Design** • Introduction to research design • Article review: research papers vs. technical reports **Lab:** *Online articles, e-journals, e-books and library databases*	
9/2/2014	**Data collection methods** **Lab:** *Retrieving the online Census Data; Online datasets; Introduction to PCensus*	**Assignment 1 Due**
9/9/2014	**Basic Data Analysis: descriptive statistics and graphic & tabulation techniques** **Lab:** *Excel; Introduction to SPSS (1)*	
9/16/2014	**Basic Data Analysis: descriptive statistics and graphic & tabulation techniques** **Lab:** *Introduction to SPSS (2)*	
9/23/2014	**Inferential statistics: Introduction to inferential statistics** **Lab:** *Online information search; Introduction to SPSS (3)*	**Assignment 2 Due**
9/30/2014	**Inferential statistics: Correlation and Spatial Autocorrelation Analysis** **Lab:** *Introduction to SPSS (4) and Spatial Statistical Software*	
10/7/2014	**Student Presentation of Research Proposal**	
10/14/2014	**Inferential statistics: Linear Regression Analysis** **Lab:** *Introduction to SPSS (5)*	**Assignment 3 Due**
10/21/2014	**Inferential statistics: Spatial Regression Analysis** **Lab:** ArcGIS and GeoDa	

10/28/2014	**Other Research Methods (1)**	**Assignment 4 Due**
11/4/2014	**Other Research Methods (2)**	
11/11/2014	**Veteran's Day (no class)**	
11/18/2014	**Term Paper Final Presentations (1)**	**Assignment 5 Draft Due**
11/25/2014	**Term Paper Final Presentations (2)**	
12/9/2014	**No class, final term paper due**	**Assignment 5 Due**

Last updated on 7/11/2014.