

 FLORIDA ATLANTIC UNIVERSITY	COURSE CHANGE REQUEST Undergraduate Programs	UUPC Approval <u>10/10/22</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department Urban and Regional Planning College Charles E. Schmidt College of Science	
Current Course Prefix and Number URP 4730		Current Course Title Capital Facilities Planning
<i>Syllabus must be attached for ANY changes to current course details. See <u>Checklist</u>. Please consult and list departments that may be affected by the changes; attach documentation.</i>		
Change title to: Change prefix From: To: Change course number From: To: Change credits* From: To: Change grading From: To: Change WAC/Gordon Rule status** Add <input type="checkbox"/> Remove <input type="checkbox"/> Change General Education Requirements*** Add <input type="checkbox"/> Remove <input type="checkbox"/> <small>*Review Provost Memorandum **WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to this form. See <u>WAC Guidelines</u>. ***General Education criteria must be indicated in syllabus and approval attached to this form. See <u>GE Guidelines</u>.</small>	Change description to: Change prerequisites/minimum grades to: Add URP 3000 as prerequisite Add URP 4011 as a prerequisite Change corequisites to: Change registration controls to: <small>Please list existing and new pre/corequisites, specify AND or OR and include minimum passing grade (default is D-).</small>	
Effective Term/Year for Changes: Spring 2023		Terminate course? Effective Term/Year for Termination:
Faculty Contact/Email/Phone John L. Renne, jrenne@fau.edu, 561-297-4279 or 504-717-1744(m)		
Approved by Department Chair <u>Jeese Symon</u> College Curriculum Chair <u>[Signature]</u> College Dean <u>[Signature]</u> UUPC Chair <u>Thlyn Williams</u> Undergraduate Studies Dean <u>Dan Meeroff</u> UFS President _____ Provost _____	Date <u>9/1/2022</u> <u>9/27/22</u> <u>9/27/22</u> <u>10/10/22</u> <u>10/10/22</u> _____ _____	

Email this form and syllabus to mjenning@fau.edu seven business days before the UUPC meeting.



URP 4730 CAPITAL FACILITIES PLANNING

Online
3 credits

Spring, 2022
Prof. Jesse Saginor
Office: SO 371

Office hours: ONLINE Wednesdays from 3-5 PM
Email: jsaginor@fau.edu

SYLLABUS AGREEMENT

By taking this course, you happily and voluntarily agree to abide by the terms outlined in this syllabus. This syllabus is a contract between the students and professor, in which both parties are expected to uphold their end of the agreement. Read this syllabus carefully, especially because I won't be able to go over it in class, since all work will be done online

Course Description

URP4730 familiarizes students with capital facility planning at the local, regional, state, and national levels. The course introduces and examines multiple attributes of capital planning facilities, capital improvement plans, and capital improvement budgeting. Most planning may be small in scale, focusing on a single site or geographic area. Capital facilities planning connects multiple planning areas and objectives. They can be perceived as the underlying systems, ranging from roads and railroads to sewer and water, which interconnect cities. These capital facility systems, therefore, are expensive and require multiple-year planning and budgeting approaches for their success. Additionally, due to the significant financial investment, tools such as cost-benefit analysis and economic impact analysis are often used to determine which capital facility project to implement and whether that project should ultimately be implemented.

This course has several intertwined objectives related to medium-range and long-range capital facility planning:

COVID-19 Statement

Due to the status of the COVID-19 pandemic in our service areas, wearing a mask indoors is currently a personal preference. Please be thoughtful, however, of the concerns of those around you. Students experiencing flu-like symptoms (fever, cough, shortness of breath) or students who have come in contact with confirmed positive cases of COVID-19 should immediately contact FAU Student Health Services (561-297-3512). Symptomatic students will be asked to leave the classroom to support the safety and protection of the university community. For additional information visit <https://www.fau.edu/coronavirus/>. In classes with face-to-face components, quarantined students should notify me immediately as you will not be able to attend class. I will not be able to offer an online version of the class but will make reasonable efforts to assist students in making up the work.

1. To understand the importance of capital facilities in supporting demographic, economic, governmental, and social objectives.
2. To introduce you to the dynamics of capital facilities as these facilities relate to managing decline or growth.
3. To familiarize you with multiple analytical tools for measuring costs and benefits regarding capital facilities.

This is a course that will require you to work hard and read often to gain familiarity with multiple concepts and methods not typically discussed in planning courses, but the basic knowledge is required to excel in the profession. The weekly readings come from the book chapters, and additional readings will be made available online.

Instructional Method

This class is designated as a “Fully Online Class” with no on-campus attendance requirements. This class uses Canvas at FAU to enhance the online learning experience of students. This class website contains materials related to the course and student grades so that you can stay apprised of your grades in the course. *Students are expected to check <http://canvas.fau.edu> regularly for available class information and to access the lectures. THIS COURSE HAS A HIGH DFW RATE! Based on past courses, students who do not do well in this course tend to access all the lectures a day before quizzes or even during quizzes. Online courses mean that the responsibility is on YOU to keep up with the lectures. This class will use your FAU email address in communication, so please make sure your FAU email account is working properly.*

Course Objectives/Student Learning Outcomes

indicated by PAB (Planning Accreditation Board). At the end of the semester students are expected to be able to

- Use analytical, problem-solving research skills to identify, test and evaluate relationships in the built environment
- Conduct research on a specific area from conception to completion
- Use forecasts and scenarios to anticipate and describe future changes
- Use written, oral, and graphic skills to communicate using professional publication guidelines

Course Evaluation Method

There will be four timed quizzes over the course of the semester. The first three quizzes will be available from Monday morning at 9:00am until 5:00pm on Friday night and then close. The dates and chapters covered on each quiz are available on the last page of this syllabus. The final will be available from 9am on the first day of finals until the last day of finals at 5pm. A planning major is required to have at least a C as a satisfactory grade for this course.

Course Grading Scale

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 professional and timely manner. The material indicates that the student spent extra time, personal energy, and critical reflection in an effort to demonstrate exceptional work. The student's work exemplifies excellent attention to detail in both content and form, is cited properly, and demonstrates a solid analytical understanding of the course material and the ability to synthesize that knowledge through assigned 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.

Policy on Makeup Tests, Late Work, and Incompletes (if applicable)

Late Policy:

Success in this course depends on the timely completion of the quizzes. As such, the late policy for this class is very simple: **late = 0**. If you have a medical or personal issue that prevents you from taking the quiz on time, please let me know immediately. In the absence of an approved excuse based on FAU guidelines, the late policy will stand. My e-mail address is included at the top of this syllabus. Be certain to use them. **A BURP major is required to have at least a C as a satisfactory grade for this course.**

Grade Negotiation

Once final grades are posted for the semester, professors tend to receive tons of emails from students asking them to increase their final grade by 1 or more points (e.g. raise an 89 to a 90 so a student can receive an A- instead of a B+). Any requests for increases in grades will be declined by the professor in this course. I am more than willing to work with students earlier rather than later in the semester to help them earn the grade that they want. Be proactive. Earning the grade that you want begins on the first day of the semester, not the last day of the semester.

Policy on Incompletes

Grades of Incomplete ("I") are reserved only for students who are passing a course but have not completed all the required work because of exceptional circumstances. Exceptional circumstances require extensive documentation and communication with me prior to the end of the semester for consideration of a grade of Incomplete.

E-mail Policy

Except for Saturdays, Sundays, and holidays, instructor will respond to messages within 48 hours. It is very important for all students to understand how to compose a proper email given that email is becoming the primary form of communication. Composing a proper email is applicable not only for the university setting, but also for a professional work environment. To get you in the habit of writing proper emails, all emails to the professor must have the following components:

1. A greeting (e.g., Dear Dr. Saginor, Jesse, Professor, etc.).
2. A line which lets the professor know which class you are in (e.g., I am in your online Capital Facilities Class).
3. The reason why you are emailing (e.g., I want to let you know that I love your class, I think you should run for president in 2020, How come I should to be a professor and not a superhero).
4. A proper closing (e.g., Thank you, Sincerely, Regards...followed by your name).
5. Proper capitalization, punctuation, and grammar.

Attendance Policy

Students are expected to attend all of their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grades is determined by the instructor, and the University reserves the right to deal at any time with

individual cases of non-attendance. Students are responsible for arranging to make up work missed because of legitimate class absence, such as illness, family emergencies, military obligation, court-imposed legal obligations or participation in University-approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical performances and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence.

Counseling and Psychological Services (CAPS) Center

Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services – individual counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>

Disability Policy

In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses – Boca Raton, Davie and Jupiter – however disability services are available for students on all campuses. For more information, please visit the SAS website at www.fau.edu/sas/.

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](#).

Required Texts/Readings

You need to buy the following textbook:

**Goodman, A. and M. Hastak. *Infrastructure Planning, Engineering, and Economics*.
ASCE Press and McGraw-Hill, Reston, VA, 2015.**

This textbook is required for the course. A majority of your quiz questions will be based on content from this book. Students who failed to buy AND read the book in the past ended up failing the class. A reserve copy of the book is available in the library.

Additional readings and exercises will be posted on Canvas and assigned for you to read at least one week in advance. Check the Modules section of the course website on a weekly basis to find any additional readings for the course. Detailed reading assignments will be distributed throughout the semester and students are required to read all material **before** the week the topic appears in the syllabus.

Course Topical Outline*

Week	Topic	Chapter
1	Introduction; Rules; Responsibilities	Ch. 1
2	Planning Contexts, Perspectives, and Objectives	Ch. 2
3	Planning and Appraisal of Major Infrastructure Projects	Ch. 3
Quiz 1 Available from 9am on 1/31/22 to 5pm on 2/4/22		
4	Screening Projects and Master Planning	Ch. 4
5	Municipal Infrastructure Systems: Performance and Prioritization	Ch. 5
6	Comparisons of Infrastructure Alternatives	Ch. 6
Quiz 2 Available from 9am on 2/21/22 to 5pm on 2/25/22		
7	Planning Aids	Ch. 7
8	Financial Analyses	Ch. 8
9	Economic Analyses: Concepts	Ch. 9
10	Economic Analyses: Applications	Ch. 10
Quiz 3 Available from 9am on 3/21/22 to 5pm on 3/25/22		
11	Environmental and Social Impact Assessment: Concepts, Requirements, and Procedures	Ch. 11
12	Environmental and Social Impact Assessment: Additional Analyses and Issues	Ch. 12
13	Public Involvement – Chapter 13 from the first edition of the book	ONLINE
14	Legal and Institutional Aspects – Chapter 14 from the first edition of the book	ONLINE
15	Reading Day	
Quiz 4 Available from 9am on 4/28/22 to 5pm on 5/4/22		

*Dates and assignments are subject to change. Any changes will be made at least three weeks in advance.