



**FLORIDA
ATLANTIC
UNIVERSITY**

**COURSE CHANGE REQUEST
Graduate Programs**

Department Civil, Environmental & Geomatics Engineering

College College of Engineering & Computer Science

UGPC Approval _____
 UFS Approval _____
 SCNS Submittal _____
 Confirmed _____
 Banner Posted _____
 Catalog _____

**Current Course
Prefix and Number** TTE 6526

Current Course Title
Airport Planning and Design

Syllabus must be attached for ANY changes to current course details. See Guidelines. Please consult and list departments that may be affected by the changes; attach documentation.

Change title to:

Change description to:

Change prefix

From: _____ **To:** _____

Change prerequisites/minimum grades to:

None

Change course number

From: _____ **To:** _____

Change corequisites to:

None

Change credits*

From: _____ **To:** _____

Change registration controls to:

Change grading

From: _____ **To:** _____

Please list existing and new pre/corequisites, specify AND or OR and include minimum passing grade.

*Review Provost Memorandum

**Effective Term/Year
for Changes:** Fall 2019

**Terminate course? Effective Term/Year
for Termination:**

Faculty Contact/Email/Phone Ramesh Teegavarapu, 7-3444

Approved by

Department Chair _____

College Curriculum Chair _____

College Dean _____

UGPC Chair _____

UGC Chair _____

Graduate College Dean _____

UFS President _____

Provost _____

Date

3/11/2019

3/11/19

3/11/2019

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

GRADUATE COLLEGE

MAR 12 2019


Received



COLLEGE OF ENGINEERING & COMPUTER SCIENCE
Department of Civil, Environmental and Geomatics Engineering
777 Glades Road, Bldg. #96, 403E
Boca Raton, FL 33431
tel: 561.297.3444

Memorandum

DATE: March 22, 2019

TO: UGPC, Graduate College 

FROM: Dr. Ramesh Teegavarapu, Professor and Graduate Program Director, Civil Environmental and Geomatics Engineering (CEGE)

SUBJECT: Requesting for changes in pre-requisites for multiple courses.

CEGE department is request the following changes in the catalog.

Advanced Foundation Engineering (CEG 6105) 3 credits

Existing: Prerequisites: CEG 4012.

Requested Change: Prerequisites: None

Pavement Analysis and Design (CEG 6129) 3 credits

Existing Prerequisites: CEG 3011C, CGN 3501C

Requested Change: Prerequisites: None

Finite Element Methods in Civil Engineering (CES 6119) 3 credits

Existing: Prerequisites: CEG 4012

Requested Change: Prerequisites: None

Airport Planning and Design (TTE 6526) 3 credits

Existing Prerequisites: Permission of instructor

Requested Change: Prerequisites: None

Soli-Stabilization and Geosynthetics (CEG 6124) 3 credits

Existing Prerequisites: CEG 3011C, CGN 3501C

Requested Change: Prerequisites: None

Water Supply Treatment (ENV 6418) 3 credits

Prerequisite: ENV 3001C

Requested Change: Prerequisites: None

WasteWater Engineering (ENV6507) 3 credits

Prerequisites: ENV 3001C

Requested Change: Prerequisites: None

Highway Engineering (TTE6815) 3 credits

Prerequisites: CEG 3011C, CWR 4202 and EGN 3331 or equivalent

Requested Change: Prerequisites: None

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MAR 25 2019

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**Department of Civil Environmental and Geomatics Engineering
Florida Atlantic University
Course Syllabus**

1. Course title/number, number of credit hours	
Airport Planning and Design – TTE 6526	3 credit hours
2. Course prerequisites, corequisites, and where the course fits in the program of study	
Prerequisites: None	
3. Course logistics	
<p><i>Term:</i> Spring 20XX This is a classroom lecture course with occasional lectures covered through remote learning. <i>Class location and time:</i> Tuesdays from 7:10 PM to 10:20 PM in CM-125</p> <p>Credit hour assignments: Lectures – 14 weeks, 170 minutes each week; Homework assignments – 12 weeks, about 180 minutes each week; Class project – 12 weeks, 120 minutes each week;</p> <p>Total in-class instruction per credit hour: 56 minutes per week, for 14 weeks Total out-of-class assignments per credit hour: 4 hours and 17 minutes per week, for 14 weeks</p>	
4. Instructor contact information	
<i>Instructor's name</i>	Dr. Aleksandar Stevanovic, Associate Professor
<i>Office address</i>	Engineering West (EG-36) Bldg., Room 225
<i>Office Hours</i>	T 9:00 -11:00 AM
<i>Contact telephone number</i>	561-297-3743
<i>Email address</i>	astevano@fau.edu
5. TA contact information	
<i>TA's name</i>	TBA
<i>Office address</i>	
<i>Office Hours</i>	
<i>Contact telephone number</i>	
<i>Email address</i>	
6. Course description	
To provide the student with tools and methods to analyze and plan effectively airports. The course will emphasize in the following issues: 1) technology of air vehicles related to airport engineering, 2) operating principles and costs, and 3) airport planning and systems analysis techniques.	
7. Course objectives/student learning outcomes/program outcomes	
<i>Course objectives</i>	A. Ability to conceptualize, and solve air-transportation problems. B. Analyze and design airport facilities by identifying the parameters needed to perform this analysis. C. To investigate different solution in air traffic management via class room discussion, problem sets and semester long project. D. Estimate the capacity of any airport configuration and understand the influence of weather, aircraft mix, and other operational parameters in capacity.
8. Course evaluation method	

GRADUATE COLLEGE

MAR 25 2019

TTE6526
Spring 20XX
Stevanovic

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Class project Mid-term Final exam Homework assignments Class participation	25% 20% 25% 25% 5%	Note: The minimum grade required to pass the course is C.
9. Course grading scale		
There are not any fix criteria for the grading scale. The overall performance, as related to course objectives and outcomes, is evaluated and considered during grading. Results from course evaluations of the students will be normalized and letter grades are given. The instructor will explain the complete grading scheme and scale in the first class of the course.		
10. Policy on makeup tests, late work, and incompletes		
<p><i>Makeup tests</i> are given only if there is solid evidence of a medical or otherwise serious emergency that prevented the student of participating in the exam. Makeup exam should be administered and proctored by department personnel unless there are other pre-approved arrangements.</p> <p><i>Late homework submissions</i> will get (if 100% correct) only 75% of the original points. Late class project submissions are unacceptable.</p> <p><i>Incomplete grades</i> are against the policy of the department. Unless there is solid evidence of medical or otherwise serious emergency situation incomplete grades will not be given.</p> <p><i>Assignments</i> are submitted through Canvas ONLY and they are always due by 7:00 PM on Tuesdays (just before the class starts). Assignments can be written manually and scanned as a pdf file; or they can be developed in word processing programs (or spreadsheets) and converted to pdf files. <u>Each assignment should be submitted as a SINGLE pdf file through Canvas.</u> Late assignments will be accepted but with a penalty – they will be given only 75% of the earned score. <u>No assignments will be accepted through any other means (email, in-hand, etc.) except through Canvas.</u></p>		
11. Special course requirements		
Students are supposed to be familiar with basic statistical concepts. They should also be able to use Excel spreadsheets and Matlab to perform basic mathematical and statistical computations and report results through charts and tables.		
12. Classroom etiquette policy		
University policy requires that in order to enhance and maintain a productive atmosphere for education, personal communication devices, such as cellular phones and laptops, are to be disabled in class sessions.		
13. Attendance Policy Statement		
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		

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Course Syllabus**

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.

14. Disability Policy Statement

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/.

15. 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/>

16. Code of Academic Integrity Policy Statement

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. If your college has particular policies relating to cheating and plagiarism, state so here or provide a link to the full policy—but be sure the college policy does not conflict with the University Regulation.

17. Required texts/reading

"Planning and Design of Airports" (5th edition) by Horonjeff, McKelvey, Sproule, and Young (ISBN-10: 0071446419; ISBN-13: 978-0071446419) .

18. Supplementary/recommended readings

1. De Neufville, R., and A. Odoni, "Airport Systems – Planning, Design, and Management", McGraw-Hill, 2003.
2. Ashford, N., H.P. M., Stanton, and C. A. Moore, "Airport Operations", McGraw-Hill, 2nd edition, 1997.
3. Wells, A.T., S.B., Young, "Airport Planning & Management", McGraw-Hill, 5th edition, 2004.

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Florida Atlantic University
Course Syllabus**

19. Course topical outline, including dates for exams/quizzes, papers, completion of reading	
Date	Topic
Week 1	History of Airport Engineering.
Week 2	Aircraft Technology & Airport Design. Assignment 1 given*
Week 3	Air Traffic Management.
Week 4	Airport Master Planning & Forecasting. Assignment 2 given; Assignment 1 due**
Week 5	Airport Design.
Week 6	Structural Design of Airport Pavements& Airport Lighting, Marking, and Signing. Assignment 3 given; Assignment 2 due
Week 7	Mid-Term Exam.
Week 8	Airport Drainage & Airport Security. Assignment 4 given; Assignment 3 due
Week 9	Spring Break.
Week 10	Airport Terminal Planning & Design. Assignment 5 given; Assignment 4 due
Week 11	Airport Airside Capacity Analysis.
Week 12	Airport Capacity & Simulation Models. Assignment 6 given; Assignment 5 due
Week 13	Airport Financing.
Week 14	Environmental Planning for Airports. Assignment 6 due
Week 15	Class Project Presentations.
	Final Exam

* Assignments are officially given after each class on Tuesday (Canvas link opens at 10:00 PM)

** Assignments are due by beginning of class on following Tuesday (7:00 PM)