1. Course title/number, number of credit hours				
TRANSPORTATION OPE	RATIONS AND	3 credit hours		
	LOGISTICS MANAGEMENT- TTE 4105			
2. Course prerequisit	tes, corequisites, and whe	re the course fits in the program of study		
Prerequisites: TTE 30	04c or <i>URP 3000</i> with minin	num grade of "C", or Permission of Instructor		
3. Course logistics				
Term: Spring 2019				
This is a classroom led		DM (1		
Class location and tim	e: CM 130 and W 7:10 - 10	:oo PM (Lecture) TBA		
Exams will be given only at the scheduled times and places. No make-ups, except in documented emergencies. 15-minute quizzes are randomly given throughout the semester.				
4. Instructor contact	information			
Instructor's name	Dr. Evangelos I. Kaisar, As			
Office address	Engineering West (EG-36)	Bldg., Room 214		
Office Hours	T-Tr: 1:00 -2:30 PM			
Contact telephone	561-297-4084			
number Email address	ekaisar@fau.edu			
	ation			
5. TA contact information				
TA's name				
Office address				
Office Hours				
Contact telephone				
number				
Email address				
6. Course description	n			
Transportation system	m management and operat	cions strategies provide multimodal solutions that relieve		
congestion, optimize infrastructure investments, promote travel options, and reduce greenhouse gas				
emissions. Modeling of complex interactions and causal relationships among current issues.				
Transportation modes and technologies, vehicle dynamics, basic facility design, capacity analysis,				
	_	network analysis, logistics and ITS. Transportation risk		
		eling; reliability analysis; infrastructure interdependency		
analysis; network imp				
7. Course objectives/student learning outcomes/program outcomes				
Course objectives		uate Civil Engineering students substantial exposure to,		
		amiliarity with the transportation management and		
		cy, planning, and land use.		
		ts the substantial exposure to intelligent transportation		
		transportation, and transportation logistics.		
		ts the necessary knowledge in supply chain management		
	and hazmat mat	terials related to transportation arena.		

		udents the experience of collaborating in p	roject teams while		
Cturd and I amount an		course projects(s).	arian landarian and		
Student learning	-	derstand the principles of transporta	ation logistics and		
outcomes	management (
& relationship to	2. Ability to understand the concepts of Freight Transportation and terminal				
ABET 1-7 outcomes	-	operations (2,4,6,7)			
	3. Ability to unde	rstand and perform optimization and sir	nulation techniques		
	(1,2,4,7)				
		with peers in project teams to deal with re	al world		
	problems (1, 2	, 3, 4, 5, 6, 7)			
Relationship to	Outcome 1: An und	erstanding of professional and ethical	High		
program outcomes	responsibility.	-			
, ,	,				
	Outcome 2: A work	ing knowledge of fundamentals,	High		
		nd experimental methodologies	9		
	l criginicaling cools, a	na experimental methodologies			
	Outcome 3: An und	erstanding of the social, economic, and	Low		
		which engineers must function.	LOW		
	political contexts in	which engineers most function.			
	0		112.1		
		ty to plan and execute an engineering	High		
	design to meet an id	lentified need.			
	Outcome 5: An abili	High			
	teams.				
	Outcome 6: An abili	High			
	Outcome 7: Gradua				
	areas of civil engineering: (i) structural engineering, (ii) transportation engineering, (iii) geotechnical engineering,		High		
	(iv) water resources,				
	Outcome 8: Gradua				
	for the role of civil e	Medium			
	sustainability including safety, risk assessment, and hazard				
	mitigation.				
		tes will be successful in finding			
		Medium			
	studies.	ment and/or pursuing further academic	Wiedioiii		
	Stoules.				
8. Course evaluation	method				
Class Participation:		Note: The minimum grade required to pa	iss the course is C.		
5%					
Homework Assignmer	nts:				
15%		•			
15%					
15% Quizzes:					
15% Quizzes: 10% Midterm/Final Exam:					
15% Quizzes: 10% Midterm/Final Exam: 30%					
15% Quizzes: 10% Midterm/Final Exam:					

9. Course grading scale

There is not any fix criteria for the grading scale. The overall performance as related to course objectives and outcomes is evaluated and considered during grading.

10. Policy on makeup tests, late work, and incompletes

Makeup tests 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. As one worst quiz will be dropped, there will be no make-up quizzes.

Late work is not unacceptable.

Incomplete grades 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.

11. Special course requirements

None

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 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. Honor code policy

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 unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and place high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. See University Regulation 4.001 at www.fau.edu/regulations/chapter4/4.001 Code of Academic Integrity.pdf

17. Required texts/reading

1. Handouts provided by instructor

18. Supplementary/recommended readings

- 1. Ashford, N., and Wright, P., 1992. "Airport Engineering" J. Wiley, 1992.
- 2. Wright, P.H. and Ashford. N.J. 1989. "<u>Transportation Engineering –Planning and Design</u>." John Wiley and Sons, Inc.
- 3. Armstrong, J., 1984 "The Railroad: What It Is, What It Does," Simmons-Boardman.
- 4. Winston, W.L., 1994, "Operations Research, Applications and Algorithms," Prentice-Hall, Inc.

19. Course topical outline, including dates for exams/quizzes, papers, completion of reading

Date	Торіс	
January	Administrative/Introduction to Transportation Management	
January	Student Presentations/TRB conference Simulation Review	
January	Intelligent Transportation Systems(Introduction)	
January	Intelligent Transportation Systems(Applications)	
February	Transportation and Logistics	
February	Transportation Management & Operation	
February	Transportation Discussion/ Student Presentation	
February	ITS in Freight Transportation	
March	Spring Break	
March	Project Presentation/Field Trip	

March	Container Terminals/Logistics and ITS	
March	Transportation Discussion/ Student Presentation	
April	Hazmat Materials/Supply Chain Management	
April	Transportation Discussion/ Student Presentation	
April	Safety & Security	
April	Group Presentations Review	
May	Final Exam (TBA)	