

Date:	Examination No.:	Version:	Start:																
Module Name - Code	Traffic Engineering - 1127																		
Module Language:	English																		
Responsible:	Assistant Professor Dr Aso Faiz Talabany																		
Lecture (s):																			
College:	College of Engineering – Salahaddin University																		
Duration:	15 week – 1 semester																		
Course outcomes:	The objective of this course is for students to gain a solid understanding of the principles of highway traffic engineering as a part of their professional studies in a manner that will attain the best possible results. This course will present a number of practical problems, in sufficient depth, such that the student will be capable of solving real highway traffic related problems in the future																		
Course Content:	<p>This course provides an introduction to highway traffic engineering. Topics covered include:</p> <ol style="list-style-type: none"> 1- Introduction to Traffic and Transportation Engineering 2- Speed Studies 3- Volume Studies 4- Highway Capacity and Level of Service (LOS) 5- Traffic Control Devices <ol style="list-style-type: none"> A- Traffic Markings B- Traffic Signs C- Traffic Signals 6- Parking Studies 7- Traffic Accident Studies 																		
Literature:	<ol style="list-style-type: none"> 1- Roger P. Roess, et el, "Traffic Engineering", Third Edition, Pearson Education International, New Jersey, USA, 2004 2- L. J. Pignataro, "Traffic Engineering – Theory and Practice", Prentice Hall, Inc Englewood Cliffs, New Jersey, USA, 1973 3- U.S. Department of Transportation, Federal Highway Administration "Manual on Uniform Traffic Control Devices" part 4, Highway Traffic Signals, 2003 Edition 4- Transportation Research Board "Highway Capacity Manual", National Research Council, Washington. D. C. 2000 																		
Type of Teaching:	<p style="text-align: center;">3 hrs in lectures 1 hr tutorial</p>																		
Pre-requisites:																			
Frequency:																			
Requirements for credit points:	<p>To award the credit points it is necessary to register for the final exam. The final exam is theoretical (written 120 min)</p> <p>* Student's getting annual effort < 20 are not allowed to register for the final exam</p> <p>** Student's attendance is required in all classes. Students with absence >15% are not allowed to register for the final exam</p>																		
Credit point:	5																		
Grade Distribution:	<p>The grade distribution is as follows:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Midterm Exam</td> <td style="text-align: right;">25</td> </tr> <tr> <td>Quizzes</td> <td style="text-align: right;">10</td> </tr> <tr> <td>Homework assignments</td> <td style="text-align: right;">5</td> </tr> <tr> <td colspan="2" style="border-top: 1px dashed black;"></td> </tr> <tr> <td>Total</td> <td style="text-align: right;">40</td> </tr> <tr> <td>Final Exam.</td> <td style="text-align: right;">60</td> </tr> <tr> <td>Final grade</td> <td style="text-align: right;">100</td> </tr> <tr> <td colspan="2" style="border-top: 1px dashed black;"></td> </tr> </table>			Midterm Exam	25	Quizzes	10	Homework assignments	5			Total	40	Final Exam.	60	Final grade	100		
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Total	40																		
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Final grade	100																		
Work load:	The workload is 150 h. It is the result of 60 h attendance and 90 h self studies.																		