

UNIVERSITY OF TEXAS AT EL PASO
IE 5385 ADVANCED QUALITY CONTROL
Spring-2018 Syllabus

Instructor:	Jaime Sanchez, Ph. D.										
How to Reach:	Office: Eng. Building room E201J Phone: 747-6394 E-mail: jsanchez21@utep.edu										
Office Hours:	Tuesday and Thursday from 9:20 to 10:20 am and Wednesday from 5:00 to 5:50 pm or By Appointments										
Class schedule	Lectures Wednesday from 18:00 to 20:50 pm.										
Textbook:	Statistical Quality Control , 7th Edition or Older by Douglas C. Montgomery Publisher: Wiley ISBN 978-1-1181-4681-1										
Software:	Minitab Release 18 from my.apps.utep.edu										
Assignments:	Homework Problems will be assigned during class. They are due one week later after they have been assigned. Assignment will be graded. Assignments will not be accepted after the due date and Solution to the problems must be hand written . When computer outputs are needed the conclusions must be hand written .										
Class Attendance:	Attendance will have impact on the class participation portion of your grade. Only in case of emergency, missing a class is acceptable. Work is not an excuse										
Exams:	There will three exams during the semester and final, as well as pop quizzes. Exam dates will be announced in class.										
Reading	Students will be responsible for doing the reading assignments.										
Class Content:	Introduction to Statistical Process Control, Control Chart for Variables and Attributes, Process and Measurement System Capability Analysis, Other Statistical Process monitoring and Control Techniques: Univariate and Multivariate. DMAIC Process Chapters 2 and 5 through 11.										
Grading scheme:	<table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">First Exam</td> <td style="text-align: right;">25%</td> </tr> <tr> <td>Second Exam</td> <td style="text-align: right;">25%</td> </tr> <tr> <td>Third Exam</td> <td style="text-align: right;">30%</td> </tr> <tr> <td>Assignments</td> <td style="text-align: right;">20%</td> </tr> <tr> <td>Total</td> <td style="text-align: right;">100%</td> </tr> </table> <p>Final Exam (optional) to improve the overall grade, May 9th</p>	First Exam	25%	Second Exam	25%	Third Exam	30%	Assignments	20%	Total	100%
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Total	100%										
Accessibility	If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu , or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass .										
Plagiarism:	Plagiarism or cheating will not be tolerated, anyone caught plagiarizing will receive a failing grade for the class.										

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Statistic review

Links to videos about statistic from StatisticsLectures.com

<https://www.youtube.com/watch?v=5N7L1cGCL-w&index=53&list=PL568547ACA9211CCA>
https://www.youtube.com/watch?v=FHT6e_mdGoU&list=PL568547ACA9211CCA&index=54
<https://www.youtube.com/watch?v=enQDKXI2PdA&index=55&list=PL568547ACA9211CCA>
<https://www.youtube.com/watch?v=hEx0ZShqRlc&list=PL568547ACA9211CCA&index=56>
<https://www.youtube.com/watch?v=oZ3OZtc9FpI&index=57&list=PL568547ACA9211CCA>
<https://www.youtube.com/watch?v=Oy6Co8-XkEc&index=58&list=PL568547ACA9211CCA>
<https://www.youtube.com/watch?v=mWE8PxPoYJY&index=59&list=PL568547ACA9211CCA>
<https://www.youtube.com/watch?v=BWJRsy-G8u0&index=60&list=PL568547ACA9211CCA>
<https://www.youtube.com/watch?v=dH6igFVoCAw&list=PL568547ACA9211CCA&index=61>
<https://www.youtube.com/watch?v=VPd8DOL13Iw&list=PL568547ACA9211CCA&index=62>
<https://www.youtube.com/watch?v=jyoO4i8yUag&index=63&list=PL568547ACA9211CCA>
<https://www.youtube.com/watch?v=BRnToiWxLS0&index=64&list=PL568547ACA9211CCA>
<https://www.youtube.com/watch?v=wGlbyNBxEM8&list=PL568547ACA9211CCA&index=65>
<https://www.youtube.com/watch?v=zD3VIBkwc-0&index=66&list=PL568547ACA9211CCA>
<https://www.youtube.com/watch?v=S8DL5i2y2TU&index=67&list=PL568547ACA9211CCA>
<https://www.youtube.com/watch?v=qV-WoquC4dA&list=PL568547ACA9211CCA&index=71>
<https://www.youtube.com/watch?v=51QZa7b0Ozk&index=72&list=PL568547ACA9211CCA>