Statistical Quality Control
01:960:483 and 16: 960:540

INSTRUCTOR: Surya Srinivasan
Office Hours: WTH 1 – 2 P.M. THROUGH ZOOM

JOIN ZOOM MEETING
HTTPS://RUTGERS.ZOOM.US/J/5474605029?PWD=ETL0QKV6QWP3eFBJU1o5NU9WTmFMUT09

JOIN BY SIP
5474605029@ZOOMCRC.COM

MEETING ID: 547 460 5029
PASSWORD: 450147

IF YOU HAVE ANY QUESTIONS, PLEASE <A HREF="HTTPS://IT.RUTGERS.EDU/HELP-SUPPORT/">CONTACT THE OFFICE OF INFORMATION TECHNOLOGY HELP DESK</A>

E-MAIL: ssriniv@stat.rutgers.edu

CLASS WEBSITE: canvas.rutgers.edu
PRE-REQUISITE: Level II Statistics or equivalent

COURSE REQUIREMENTS:
Webcam, Microphone, Phone Camera or Scanner for producing pdf documents from photos, Laptop/PC, Web Browser, Good Internet connection.

TEXTBOOK: Introduction to Statistical Quality Control
8th Edition
Douglas C. Montgomery
Wiley

ISBN: Print copy: 9781119723097
eBook: 9781119399216

GRADING: Your course grade will be determined by computing a weighted average of the following components (with their weights parenthesized):

- Quizzes (65%)
- Project (15%)
- Homework (20%)

COURSE DESCRIPTION: Students will gain a basic understanding of statistical quality control including its history, relevant philosophies for its implementation, with emphasis on Shewhart Control Charts. In addition, they will gain a basic understanding of other quality-improvement tools, like Acceptance Sampling plans.

Software: For homework students can use either EXCEL/ MINITAB/ R/SAS.
MAKE-UP POLICY: Make-up quizzes will only be given if written documentation of a major outside circumstance is provided by a college dean or a doctor. *Students who miss Quizzes without presenting proper documentation in a timely manner will receive a grade of zero.* Please note that there are *absolutely no exceptions* to this policy.

ACADEMIC INTEGRITY: The University has very strict rules concerning breaches of academic integrity. As such, any student caught cheating will *fail the course* and will likely be recommended for disciplinary action.

ASSIGNING GRADES: Your weighted average will be computed, as described before. *No extra credit assignment will be provided to boost up your grade.* Absolutely no exceptions to this policy. If you appear to be on the borderline between two grades, (for ex. 89.5 is a B+ close to A) I will look for trends of improvement to determine whether or not your grade should be higher. Final grade will be determined based on the final score as follows:

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<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tr>
<td>A</td>
<td>≥ 90</td>
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<tr>
<td>B*</td>
<td>85 - 89</td>
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<tr>
<td>B</td>
<td>80 - 84</td>
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<td>C*</td>
<td>75 - 79</td>
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<td>C</td>
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<td>D</td>
<td>60-69</td>
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<td>F</td>
<td>0 - 59</td>
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GETTING HELP: It is *very important* that you make the effort to get help immediately whenever you find yourself struggling. Should my office hours not be convenient, you are *strongly encouraged* to make an appointment with me at a mutually convenient time. Please do not wait until it is too late. You should understand that poor attendance and/or poor homework effort will *almost certainly lead to a poor grade*.

**SPECIFIC INFORMATION ON COURSE POLICY**

- **HOMEWORK:** Homework will be assigned for each section of the textbook that we cover. Answers to most odd-numbered problems are provided in the textbook. Overall, homework plays a key role in this course, and as such, I urge you to seek help immediately should you find yourself having any difficulty. Homework has to be turned in the day it is due. No late homework will be accepted.

All material will be posted online, every week. It is your responsibility to check the website, for lecture recordings and other resources.