Manufacturing 210 Syllabus: Statistical Process Control

Instructor: David Fierro (619-388-3731) & Scott Warwick (TBD)
Office Hours: (David) M-W 11am-noon, Th 10am-noon


Course Description
This lecture/lab course familiarizes students with the applications of statistics in process and quality control function. Students learn to acquire, analyze and interpret data from a process to determine if it is in statistical control and capable of meeting customer's requirements. Statistical techniques include the use of basic graphs and diagrams, control charts, process mean and variability, process capability, sampling and normal distribution. The course also introduces students to the concepts of Six Sigma and design of experiments as part of quality control and improvement. This course is designed for students who are interested in process control, quality improvement and industrial management.

Grade Evaluation
Your letter grade will be determined from a ratio of amount points collected to the amount of total points possible (4 tests at 50%, homework/Laboratories 50%); the grade scale is as follows:

A = 100%-89.50%, B = 89.49%-79.50%, C = 79.50%-69.50%, D = 69.49%-60%, F = 59.9% & below.

Attendance Policy:
Students who do not regularly attend class fall behind in acquiring course content and skills. Therefore, compliance with the SDCCD policy on attendance will be enforced. Situations beyond your control may develop that may interfere with your attendance; please discuss these with me as soon as practical. If you miss class, make arrangements with a classmate to review lecture topics, handouts and assignments.

Student Code of Conduct/Classroom Behavior:
Students are expected to respect and comply with student conduct standards while in class and on campus. The student Code of Conduct, disciplinary procedure, and student due process can be found in the current college catalog in the Academic Information and Regulations section, and at the office of the Dean of Student Affairs. Charges of misconduct and disciplinary sanctions may be imposed upon students who violate these standards of conduct or provisions.

Class meeting schedule
Monday/Wednesday 6:55 pm – 9:25 pm

Attendance Requirement
Each student has the responsibility to add, drop, or withdraw (in the event the student chooses to do so) before the applicable dates as stated in the current class schedule. If you decide to withdraw from this course, remember to do so prior to the date mandated in the SDCC class schedule. If you stop coming to class and fail to withdraw by that date, a final grade must be assigned to you.

Accommodation of Disability:
Students with disabilities needing academic accommodations should notify me immediately.

Test and Homework Policy
A 10% per calendar day penalty will be imposed on late homework. Missed Tests cannot be made up. Homework must be neat and stapled together in its proper order or it will not be graded.

Student Privacy Considerations
Graded materials and grades can only be returned to students to whom they belong in accordance with the SDCCD privacy code. If materials or grades shall be returned via USPS (no email) then provide the correct postage and envelope with your address on it (must match address that is on file with SDCC).

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