

MATH 40 STATISTICS AND PROBABILITY - 4 UNITS

Descriptive statistics, including measures of central tendency, dispersion and position; elements of probability; confidence intervals; hypothesis tests; two-population comparisons; correlation and regression; goodness of fit; analysis of variance; applications in various fields. Introduction to the use of a computer software package to complete both descriptive and inferential statistics problems. Prerequisite: Mathematics 50, 55, 55B or 55Y (completed with a grade of "C" or higher) or an appropriate skill level demonstrated through the Mathematics assessment process. 4 hours lecture, 1 hour laboratory. Transfer: CSU, UC*; GE: LPC AA/AS, CSU Area B, IGTEC Area 2

Beginning Fall 2019, students are encouraged to enroll directly into a transfer-level course. Students should consider their academic goal, past achievements, and experiences.

Students are also strongly encouraged to take advantage of the many resources available to support them at LPC.

- **NMAT 264 Math Jam for SLAM² Bootcamp Course** is offered 1-week *prior* to the start of the semester. *Award-winning & tuition-free!* Offered the week before the Fall and Spring semesters. Proven to increase student success and retention rates.
- **NMAT 200C** (tuition-free) or **MATH 100C** (1 lab unit) **Concurrent Support for SLAM²** support *during* the semester. *Aligned with your math course* and designed with innovative strategies to provide math and learning support while taking your math class.

²SLAM is Statistics and Liberal Arts Mathematics.