

COURSE OBJECTIVES

Upon successful completion of this course, students should be able to:

1. Understand the relationship between fractions, decimals, and percent. [GLO 1,2,3,4]
2. Work with scientific notation. [GLO 1,2,3,4]
3. Express both verbally and in writing the results of statistical procedures. [GLO 1]
4. Organize data into distributions and display this information numerically. [GLO 1,2,3,4]
5. Calculate data by measures such as mean, median, mode, midpoint, range, standard deviation and percentiles. [GLO 1,2,3,4]
6. Use the fundamental counting principle to determine the number of possible outcomes. [GLO 1,2,3,4]
7. Calculate conditional probabilities of events using the addition rule for disjoint events and the multiplication rule for independent events. [GLO 1,2,3,4]
8. Use the normal probability distribution [GLO 1,2,3,4]
9. Obtain both point and interval estimates of population parameters. [GLO 1,2,3,4]
10. Formulate null and alternative hypotheses for means of one-single sample data sets. [GLO 1,2,3,4]
11. Plot ordered pairs on the rectangular coordinate system. [GLO 1,2,3,4]
12. Calculate slope or identify slope from a graph. [GLO 1,2,3,4]
13. Graph linear equations in two variables by plotting ordered pairs and using the slope-intercept form of the equation. [GLO 1,2,3,4]
14. Write linear equations using the slope-intercept and point-slope forms. [GLO 1,2,3,4]
15. "Just in time" review and further discussion of topics in the MTH124 Statistics course determined by the needs of class participants. [GLO 1,2,3,4]

STARK STATE COLLEGE POLICIES

Please refer to the Policies and Procedures manual on *mystarkstate* for more information on all college policies and procedures:

- Honesty in Learning
- Withdrawal
- Attendance
- Student Complaint
- Incomplete
- Grade Appeal
- Standards of Academic Progress
- Anti-Harassment/Title IX
- Sexual Assault
- Inappropriate Behavior

DISABILITY SERVICES

The Disability Support Services (DSS) office offers a variety of services and accommodations to students with disabilities based on appropriate documentation, nature of the disability, and academic need. In order to initiate services, students should meet with DSS early in the semester to discuss their needs. The DSS staff will determine specific accommodations and services. If a student with a disability does not request accommodations through the DSS office, the instructor is under no obligation to provide accommodations. Students may contact the DSS office at 330-494-6170, ext. 4935, or schedule an appointment in B104.

COMPUTER USAGE

Students are expected to observe the Student Computer Usage Guidelines concerning the appropriate use of computers at the College. The guidelines are posted in all areas where computers are located, and individuals may obtain copies in the Admissions Office (M110) or on the SSC website under Student Computing (<http://www.starkstate.edu/content/student-computing>).

Help Desk Services provides support for the following computer issues:

- questions regarding access to student accounts (login issues)
- connecting to a College resource
- connectivity issues with ANGEL (LMS - learning management system)
- using *mystarkstate* tools
- software questions
- campus laptop checkout
- reporting issues with computing or technical resources

Help Desk Services is located in B219 on the Main campus. Contact them at 800-797-8275 (800-79-STARK), ext. 4357 (HELP). See the Help Desk website: <http://www.starkstate.edu/helpdesk> for hours and contact information.