



CROSS-LISTED COURSE OUTLINE

COURSE IMPLEMENTATION DATE: September 1994
 COURSE REVISED IMPLEMENTATION DATE: January 2013
 COURSE TO BE REVIEWED: September 2018
(six years after UEC approval) *(month, year)*

CROSS-LISTED COURSE OUTLINE INFORMATION

This is a cross-listed course. Only one official course outline exists for this course, listed under the original course name and number. Please refer to the official course outline for full course information.
Shaded headings are subject to change at the discretion of the department – see course syllabus available from instructor

<u>MATH 270</u>	<u>SCIENCE/MATHEMATICS & STATISTICS</u>	<u>4</u>
COURSE NAME/NUMBER	FACULTY/DEPARTMENT	UFV CREDITS
Introduction to Probability and Statistics		
COURSE DESCRIPTIVE TITLE		

OFFICIAL COURSE OUTLINE:

This is a cross-listed course. Please refer to **STAT 270** for the official course outline.

CALENDAR DESCRIPTION:

An introduction to the theory and practice of statistics for engineering, science, and mathematics students who have experience with calculus. Topics include descriptive statistics, elementary probability theory, expectation and variance of random variables, binomial, hypergeometric, Poisson, uniform, normal and exponential distributions, sampling distributions, confidence intervals and hypothesis tests for means and proportions, tests of goodness-of-fit and independence, correlation, and linear regression.

Note: This course is offered as STAT 270 and MATH 270. Students may only take one of these for credit.

Note: Students with credit for STAT 106 may subsequently take STAT 270/MATH 270, but students with credit for STAT 270/MATH 270 may not subsequently take STAT 106.

PREREQUISITES: MATH 112 or MATH 118
 COREQUISITES: None
 PRE or COREQUISITES:

SYNONYMOUS COURSE(S):

- (a) Replaces: _____
- (b) Cross-listed with: STAT 270
- (c) Cannot take: STAT 104, STAT 106, STAT 270 for further credit.

SERVICE COURSE TO:

WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only) Yes No
WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department) Yes No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE: Yes No

Course designer(s): <u>Stats Committee</u>	Date approved: <u>March 5, 2012</u>
Department Head: <u>Greg Schlitt</u>	Date of meeting: <u>March 30, 2012</u>
Supporting area consultation (Pre-UEC)	Date approved: <u>April 20, 2012</u>
Curriculum Committee chair: <u>Norm Taylor</u>	Date approved: <u>May 4, 2012</u>
Dean/Associate VP: <u>Ora Steyn</u>	Date of meeting: <u>May 23, 2012</u>
Undergraduate Education Committee (UEC) approval	