FLCC Course Syllabus

**General Information**

**Date**
03/23/2017

**Department**
Mathematics

**Course Prefix:**
MAT

**Course Number:**
121

**Course Title:**
Introductory Statistics I

**Course Information**

**Credit Hours**
3

**Lecture Contact Hours**
3

**Catalog Description**
A first course in statistics designed to introduce descriptive statistics of one and two variables, and probability; and to assimilate those concepts into an understanding of probability distributions. Topics include measures of central tendency, variability, graphical displays, linear correlation, and regression, dependent and independent probability, discrete and continuous probability distributions. The course will emphasize computer or calculator use (graphing calculator, Minitab, Excel, StatCrunch, etc.) to obtain results.

**Prerequisites**
MAT 095 or Placement into Math Level 1 or higher

**Grading Scheme**
Letter Grade

**This course is designated as satisfying a requirement in the following SUNY Gen Ed category**
Mathematics

**FLCC Values**

**College Learning Outcomes Addressed by the Course**
Inquiry
Interconnectedness
Perseverance

**Course Learning Outcomes**
Course Learning Outcomes

1. Use the language of statistics; reading and interpreting statistical presentations; critically analyzing the use of
2. Analyze single variable data including producing and interpreting statistical measures, graphical representations
3. Analyze bivariate data using linear correlation and regression using technology.
4. Make applicable predictions using linear regression analysis.
5. Apply the basic principles of probability.
6. Apply probability distributions to applied problems with an emphasis on the binomial distribution and normal
7. Use technology for statistical purposes.
8. Evaluate results for reasonableness.

Program Affiliation

This course is required as a core program course in the following program(s)

AS Physical Education and Exercise Science
AS Sports Studies
AAS E-Commerce
AAS Hospitality and Tourism Management - Hotel and Resort Management Track
AAS Hospitality and Tourism Management - Tourism Management Track
AAS Hospitality and Tourism Management - Food and Beverage Management Track
AS Nutrition and Dietetics
AS Health Care Studies
Other - Write In: AS Tourism Management, AS Tourism Studies

Outline of Topics Covered

Outline of Topics Covered in Course

MAT_121_Topic_Outline.pdf