Fond du Lac Tribal and Community College
COURSE OUTLINE FORM

Updated 01/21/16

Please return this form to the college vice president of academic affairs and the chairperson of the Academic Affairs and Standards Council (AASC)

1. Prepared by: ____________________________________________________________

2. Date submitted: ________________________________________________________

3. Date approved: __05/05/16 __ Date revised _______________

4. Department/discipline: __Mathematics____________________________________

5. Department(s) endorsement(s): __________________________________________
(Signatures of the person(s) providing the endorsement are required.)

6. Course Title: __Statistics Preparation____________________________________

7. Course Designator: __MATH________ 8. Course Level: 0025

9. Number of Credits: Lecture __1 ___ Lab ____

10. Control Number (on site) __30 ______ Control Number (online) _______

11. Catalog/Course description:

Statistics Prep is a one-credit course designed to be taken concurrently with Beginning Algebra. It will prepare students to take Intro to Statistics the following semester. Students will bridge beginning algebra topics to statistic applications that will ready them for college level statistics. Topics will include: using percent as applied to probability, familiarization with variables and symbols used in statistics, applying these variables to expressions and equations, linear equations as used in regression, and using technology to build spreadsheets and graphs for statistical analysis. (Prerequisite: Instructor permission. Concurrent MATH 0020 Beginning Algebra enrollment)

12. Course prerequisite(s) or co-requisite(s): Accuplacer scores/ Other courses

Prerequisite(s): Instructor permission
Concurrent MATH 0020 Beginning Algebra enrollment

Co-requisite:

13. Course Materials (Recommended course materials and resources. List all that apply, e.g. textbooks, workbooks, study guides, lab manuals, videos, guest lecturers).

- Beginning Algebra text as required by Beginning Algebra course
- Statistics handouts provided by instructor

14. Course Content (Provide an outline of major topics covered in course)

Students will bridge the gap from Beginning Algebra to Introduction to Statistics by applying these skills to statistics applications:
• Percent
• Evaluation and manipulation of algebraic expressions and equations
• Linear equations
• Graphing data
• Use of technology to report data

15. **Learning Goals, Outcomes, and Assessment**

At FDLTCC we have 4 Competencies Across the Curriculum (CAC) areas. They are as follows:

A. Information Literacy (the ability to use print and/or non-print tools effectively for the discovery, acquisition, and evaluation of information)
B. Ability to Communicate (the ability to listen, read, comprehend, and/or deliver information in a variety of formats.)
C. Problem Solving (the ability to conceptualize, apply, analyze, synthesize, and/or evaluate information to formulate and solve problems.)
D. Culture (knowledge of Anishinaabe traditions and culture, knowledge of one’s own traditions and culture, knowledge of others’ traditions and cultures, culture of work, culture of academic disciplines and/or respect for global diversity.)

Course Learning Outcomes will fulfill the identified competencies.

*Course Learning Outcomes.*

Upon completion of this course, the student will be able to:

1.) Calculate percent as related to probability (C)
2.) Recognize statistical variables and symbols (C)
3.) Manipulate and solve algebraic expressions and equations containing statistical variables and symbols (C)
4.) Graph linear regressions lines (C)
5.) Use technology to express data in the form of spreadsheets and graphs (B)

16. **Minnesota Transfer Curriculum (MnTC):** If this course fulfills an MnTC goal area, state the goal area and list the goals and outcomes below:

See [www.mntransfer.org](http://www.mntransfer.org)

Goal Area(s):__________

Does this course require additional material for specific program requirements?
If yes, please provide.