MATH091 - Descriptive Statistics With Algebra 1

Document Type:	Master Course Outline Supplemental
Proposal Type:	Adoption)
Requester(s):	Frank Post
College:	South
Origination Approved:	06/19/2013 - 12:57 PM

BASIC INFORMATION

Requester(s): Frank Post

College: South Seattle Community College

Division/Dept: Academic Programs

Dean: Chad Hickox

COLLEGE SUPPLEMENTAL

Proposed Quarter of Implementation: NA   ☑ Request Provisional Exception

We are requesting Adoption of Math 091 for Fall 2013. Once the adoption is approved, we will revise the course to fill in missing information, change the catalog description to fit South Seattle CC and reword the prerequisite.

Class Capacity: 30

Modes of Delivery: (Check all that apply)
- ☑ Fully On Campus
- ☐ Fully Online
- ☐ Hybrid
- ☐ Other   Explanation:

Class Schedule Description:

This course provides an introduction to statistics and algebra in an integrated manner for non-STEM majors. Topics for this course include methods for collecting data, graphical and numerical descriptive statistics, correlation, simple linear regression, solving and graphing linear equations. Prerequisite: MATH 083 with 2.0 or better, or placement exam.

Student Learning Outcomes:

Communication

Read and listen actively to learn and communicate

Discuss mathematics problems and write solutions in accurate mathematics language and notation.
Examine statistical studies and discuss an overview of the data analysis process.

Speak and write effectively for academic, and career purposes

Discuss mathematics problems and write solutions in accurate mathematics language and notation.
Examine statistical studies and discuss an overview of the data analysis process.

Computation

Use arithmetic and other basic mathematical operations as required by program of study

Analyze linear data graphically and numerically.

Examine, use, and interpret bivariate data.

Apply quantitative skills for academic, and career purposes
Analyze linear data graphically and numerically.
Examine, use, and interpret bivariate data.

Critical Thinking and Problem-Solving

Think critically in evaluating information, solving problems, and making decisions
Interpret mathematical solutions.

Technology

Select and use appropriate technological tools for academic, and career tasks
Use appropriate technology as a tool for quantitative analysis.

Program Outcomes:

1. Better transition from developmental math to college level math classes
4. Provide students with an environment that promotes intellectual curiosity and critical thinking

Course Outcomes/Objectives:

Upon successful completion of this course, students will demonstrate a knowledge of: methods for collecting data, graphical and numerical descriptive statistics, correlation, simple linear regression, solving and graphing linear equations.

Explain the student demand for the course and potential enrollment:

This is the first course in a three course pathway to completion of a transfer level math course (Statistics). The intended audience are:

- Those students placing into developmental math, needing either Statistics or a transferable math course for completion of their program.
- Nursing and B.I.T. candidates, for whom Statistics is the terminal math course.
- Students who place low in developmental math and are at risk of not completing any program because of their math deficiency.

Explain why this course is being created:

N/A. This course is being adopted.

What challenges, if any, do you foresee in offering this course:

This course relies on a cohort model. Traditionally, attrition may affect such a model at South, so we will offer two cohorts, to allow for that attrition.

This is to certify that the above criteria have all been met and all statements are accurate to the best of my knowledge.

Faculty involved in originating this program:

Frank Post	*Frank Post*	1/1/0001
Print Name	**Signature**	**Date**

Dean:

Chad Hickox	*Chad Hickox*	5/31/2013
Print Name	**Signature**	**Date**

Results of SSCC Curriculum Coordinating Council Findings

Participating Faculty Response and Remarks

X	Recommended for approval
	Not recommended for approval

Chairman, Curriculum Coordinating Council:

Tim Walsh	*Tim Walsh*	6/14/2013
Print Name	**Signature**	**Date**

Vice President for Instruction:

Donna Miller-Parker	*Donna Miller-Parker*	6/19/2013
Print Name	**Signature**	**Date**