

Warren County School District
PLANNED INSTRUCTION

COURSE DESCRIPTION

Course Title: Probability and Statistics II

Course Number: 00281

Course Prerequisites: Probability and Statistics I

Course Description: (Include “no final exam” or “final exam required”) **Probability and Statistics II** is designed for students who have taken and successfully passed Probability and Statistics I with at least a 70% average. Students will be provided with exploration activities to help them discover the relevance of statistics to varied disciplines and professions through real life studies and applications. Graphing calculator and software applications will be used to display problem solving activities. Final Exam Required.
This is a math elective.

Suggested Grade Level: Grades 10-12

Length of Course: X One Semester Two Semesters Other (Describe)

Units of Credit: 0.5 (Insert **NONE** if appropriate.)

PDE Certification and Staffing Policies and Guidelines (CSPG) Required Teacher Certification(s) (Insert certificate title and CSPG#) Mathematics 50

Certification verified by WCSD Human Resources Department:
 X Yes No

Board Approved Textbooks, Software, Materials:

Title:

Publisher:

ISBN #:

Copyright Date:

Date of WCSD Board Approval:

BOARD APPROVAL:

Date Written: January 22, 2015

Date Approved:

Implementation Year: 2015-2016

SPECIAL EDUCATION AND GIFTED REQUIREMENTS

The teacher shall make appropriate modifications to instruction and assessment based on a student's Individual Education Plan (IEP) or Gifted Individual Education Plan (GIEP).

COURSE CONTENT

Confidence Intervals
Hypothesis Testing with One Sample
Hypothesis Testing with Two Samples
Correlation and Regression

SPECIFIC EDUCATIONAL STANDARDS, ESSENTIAL QUESTIONS, CONTENT, & SKILLS

Refer to course map on Performance Plus

ASSESSMENTS

Suggested Formative Assessments: The teacher will develop and use standards-based assessments throughout the course.

- Pre-Assessments of prior knowledge (e.g. entrance cards or KWL chart)
- Bell ringers/Problems of the Day(PODs)
- Discussions
- Teacher observation/Questioning
- Graphic organizers (e.g. Venn diagrams, word mapping, webbing, KWL chart, etc.)
- Summarizing
- Retelling
- Notetaking
- Problem-based learning modules
- Authentic assessment
- Oral presentations
- Outlining
- Student presentations/projects
- Open-ended response
- Classroom Performance System (CPS)

Suggested Summative Assessments:

- Essays
- Open-Ended Responses
- Projects
- Quizzes/tests
- Student presentations

District Approved Assessment Instruments

- Any district approved assessment instrument

Portfolio Assessment: _____ Yes X No

District-wide Final Examination Required: X Yes _____ No

Course Challenge Assessment (**Describe**): Course challenge assessment will be based on activities and exams that measure student proficiency as the course standards at 84%.

WRITING TEAM: Warren County School District Math Teachers

WCSD STUDENT DATA SYSTEM INFORMATION

1. Is there a required final examination? X Yes _____ No
2. Does this course issue a mark/grade for the report card?
 X Yes _____ No
3. Does this course issue a Pass/Fail mark? _____ Yes X No
4. Is the course mark/grade part of the GPA calculation?
 X Yes _____ No
5. Is the course eligible for Honor Roll calculation? X Yes _____ No
6. What is the academic weight of the course?
 _____ No weight/Non credit X Standard weight
 _____ Enhanced weight (Describe)