



## Why Statistics?

One or more statistics courses are required for many college majors. Most undergraduate programs in business, medicine and health care, engineering, education and social sciences have a statistics component. The mathematics course a student is most likely to take in college is statistics. Today, many students come into these programs with a background in statistics.

In our informational society, being an informed consumer and an informed citizen are promoted by a knowledge of data collection and analysis techniques.

## About the Syllabus:

The Advanced Placement Statistics syllabus will be the source of all course curriculum. Although it is one of the newer courses, Statistics is now one of the most widely offered AP courses in the United States.

The syllabus has four strands: Exploratory Data Analysis, Combinatorics and Probability, Experimental Design and Survey Design, and Statistical Inference.

This syllabus was designed for college-bound high school students. In the Summer of 2010, seven NCHS students successfully completed *Focus on Statistics*.

## Instructor

Peter Barbella has over 25 years experience teaching mathematics, statistics and computer programming at the secondary level. He is the author of *Exploring Measurements* (Dale Seymour), journal articles and has conducted many presentations and in-services at professional conferences and for school districts throughout the United States.

Mr. Barbella was the instructor for *Focus on Statistics* in the Summers of 2009 and 2010.

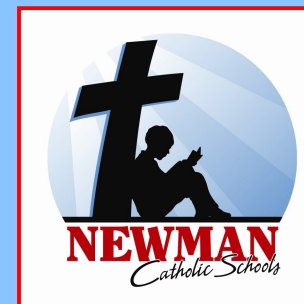
# About Us....

## School Report Card

- 100%** Graduating students annually who continue their education at a post-secondary institution of their choice
- 69%** Newman Catholic High School Seniors take a minimum of one AP Class
- 88%** Newman Catholic students who are ready for the rigors of college English (based on the College Board ACT School Performance Report)
- 100%** Graduating students who take 3 years of science and 3 years of math (minimally)
- 83%** Students who participate in at least one school co-curricular activity or sport
- 100%** Newman's annual graduation rate

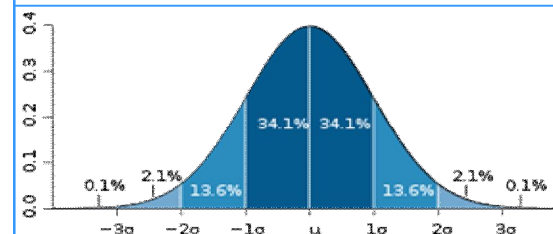
## A Few Fast Facts

- 46 students in the Class of 2010 were awarded over \$430,000 in college scholarships
- 12:1 student-to-teacher ratio ensures small learning environments focusing on student success
- New science lab, science prep room and chemistry classroom completed in November 2008
- Completed successful Capital Campaign for facility updates and athletic fields renovation 2009
- Fighting Cardinals athletic team presence in State Tournament every year since 2001



# Summer Academic Enrichment Program 2011

# Focus On Statistics



Newman Catholic High School  
1130 W. Bridge St, Wausau, WI 54401  
715-845-8274

## Length of Course

The course will meet three hours per day, five days per week, for three weeks. Exact dates will be set upon consultation with interested students.

## Credit

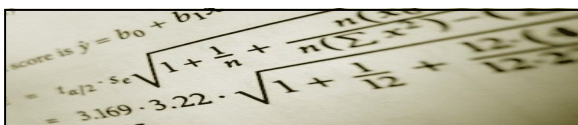
Newman Catholic High School (NCHS) students who successfully complete the course will receive one-quarter credit. (0.25 credit). The course, credit and letter grade will appear on the NCHS student's official transcript.

## Tuition

The tuition for the three weeks of instruction is \$395. Tuition will be due upon registration for the course. There will be no other costs or purchases associated with the course. A minimum of four students must enroll by May 16, 2011 for the class to run.

## Financial Aid

Summer Enrichment Grants are available to Newman Catholic High School students who are registered for the 2011-2012 school year and have paid the \$395 course fee. Applications for the Summer Enrichment Grants have been enclosed and are also available in the registrar's office of the high school.



## Materials Needed

The TI-83 or TI-84 calculator is required for the course. These calculators have an extensive statistical package including inferential testing and regression analysis capabilities. All other materials will be provided.

## Questions

Mr. Barbella can be reached via email for questions regarding this program

[pbarbell@newmancatholicschools.com](mailto:pbarbell@newmancatholicschools.com)

## Course Pre-Requisites:

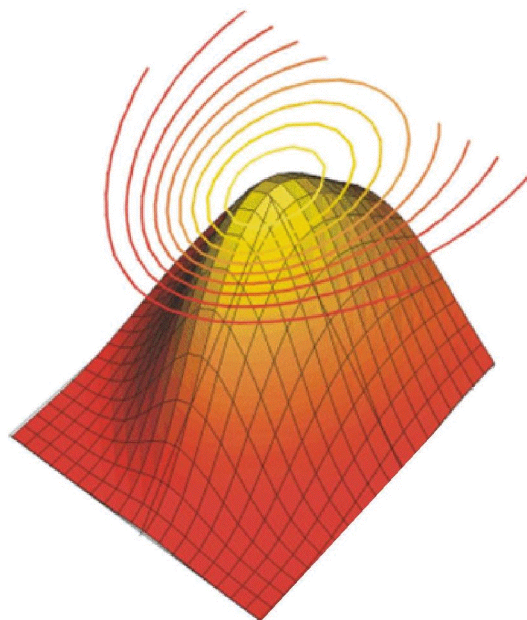
- Completion of Algebra 2-Trigonometry.
- Non-Newman students should to contact Mr. Barbella to discuss their current math level.

## Payment Policies:

- Registration and full payment of \$395 is due to Newman Catholic High School by May 16, 2011.
- Students who withdraw from the class before May 16 will receive \$385 reimbursement. Students withdrawing from May 16 until June 1 will be refunded \$285. After June 1 there will be no refunds.

## Minimum Enrollment:

- There must be 4 students enrolled for the class to run. If four students have not registered by May 16, students who have registered will receive full reimbursement.



Newman Catholic High School  
Summer Academic Enrichment Program  
**Focus on Statistics**

Student's Name: \_\_\_\_\_

Parents/Guardians: \_\_\_\_\_

Address: \_\_\_\_\_

City & Zip: \_\_\_\_\_

Emergency Phone: \_\_\_\_\_

Parent Signature: \_\_\_\_\_

Please return to NCHS Registrar with full payment of \$395 by May 16.  
1130 W. Bridge St., Wausau, WI 54401 phone (715) 845-8274

