

TYPICAL SPECTRUM COURSES

NOTE: A specific list of SPECTRUM 2009 courses will be mailed to students upon their selection to the program. The following courses are typical of those available to Spectrum participants.

GENERAL PSYCHOLOGY (1103): Introduction and survey of the basic concepts of psychology as a science of behavior and mental processes. Includes research and current information in the areas of learning, motivation, emotion, personality, and abnormal behavior.

INTRODUCTORY SOCIOLOGY (1133): A general survey course introducing students to the field of sociology. Emphasis is on people as products of groups, social interaction, and social forces. Topics covered include marriage and family, deviance, social class, minority relations, and collective behavior with an effort toward helping students understand the social world and their roles in it. May be counted toward degree requirements for sociology or social work, but not both.

ART APPRECIATION (1413): Lectures, slides and discussion of the visual elements and their application to the arts. Prerequisite for all art history courses.

AMERICAN GOVERNMENT (1333): This course together with Political Science 1433, fulfills the legislative requirement of six semester hours of American government. A study of American national and state governmental system. Special attention given to Texas. The American experiment in federalism and democracy; origin and development of the United States Constitution; federal state relations; civil liberties; the individual as a citizen; political parties.

AMERICAN GOVERNMENT (1433): Legislative, executive, and judicial functions in the United States and Texas governments; foreign policy; the conduct of foreign relations; national defense; government and the economy; governmental services.

HUMAN BIOLOGY (2034): Principles of biology and their application with special reference to the structure and functions of the human body. Dissection of rat.

GENERAL BOTANY (1544): General principles of plant biology, including structure, functions, distribution, heredity and phylogenetic relations.

GENERAL CHEMISTRY LABORATORY (1141): Prerequisite: Concurrent enrollment in Chemistry 1143. Basic laboratory practice in chemistry.

GENERAL CHEMISTRY (1143): A study of atomic and molecular structure, periodic law, states of matter, reactions.

GENERAL PHYSICS (1144): Mechanics, heat, and sound. Classical and modern physics for students seeking a quantitative understanding of physics without a calculus component.

CALCULUS 1 (1634): Differentiation of functions of one variable with applications, integration including simple substitution and numerical evaluation, and applications of integration. Each student must have a graphing calculator.

MATHEMATICS STATISTICS I (4133): Probability theory, random variables, distributions, generating functions, and limit theorems.

SURVEY OF AMERICAN LITERATURE (2623): Survey of American literature with emphasis upon historical backgrounds as well as important writers from realism to the present.

WORLD LITERATURE (2423): A study of the masterpieces of Western World literature from Shakespeare to the present.

VOICE AND DICTION (1233): Emphasis on speaking voice and on general American pronunciation. The International Phonetic Alphabet will also be studied.

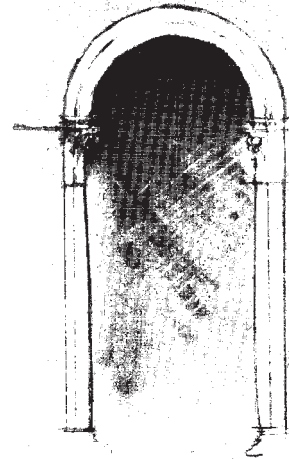
SURVEY OF WESTERN CIVILIZATION (1333): An examination of the traditions which contributed to the intellectual background of modern western society. The course spans the period beginning with the early civilization of Egypt and Mesopotamia through classical Greece and Rome to the western Middle Ages concluding with the Renaissance and Reformation and the dawn of the modern era.

SURVEY OF AMERICAN HISTORY TO 1865 (1133): General survey of American History from its European origins to 1865. Required of all students.

SURVEY OF AMERICAN HISTORY SINCE 1865 (1233): General survey of American History from 1865 to the present. Required of all students.

SPECTRUM

It's Fun. It's Smart. It's For You.



Discover the Future Today
at **Midwestern State**

SPECTRUM is a elite four and one-half week scholarship program for academically talented high school students. Students selected for the program attend university courses on the campus of Midwestern State University during the Summer I term alongside regularly enrolled university students.

Credits earned through Spectrum may be applied to a degree program at MSU or another institution of higher learning upon a student's graduation from high school.

Spectrum Scholars Program

High-achieving Spectrum students automatically qualify for post-high school scholarships at MSU through the Spectrum Scholars program. Scholarships will be awarded at the following levels and may be renewed for up to three additional years for those who meet yearly GPA and hour requirements.

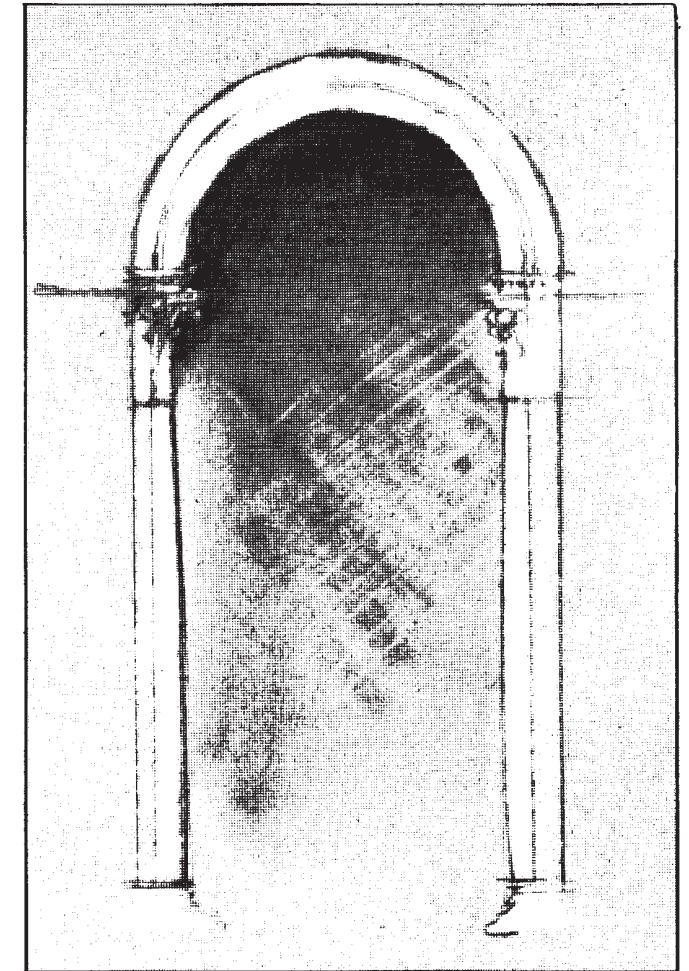
4.0 GPA in Spectrum -- \$2500

3.5 - 3.9 GPA in Spectrum -- \$2000

For more information on SPECTRUM, contact a high school guidance counselor or write or call Dr. Karen Rogers, Director, Spectrum Program. Address: Midwestern State University, Bea Wood 232, 3410 Taft Blvd., Wichita Falls, Tx 76308-2099. (940) 397-4124. Email at karen.rogers@mwsu.edu.

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A SUMMER SCHOLARSHIP PROGRAM
FOR ACADEMICALLY TALENTED
HIGH SCHOOL STUDENTS
MIDWESTERN STATE UNIVERSITY
2009



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AT MIDWESTERN STATE**