

Dual Enrollment/ Dual Credit Course Descriptions

The following courses can be offered as Dual Enrollment courses in the Rankin County School District. Each school will offer different courses based on certified instructors on campus, student interest, and preference.

All course descriptions are part of the Hinds Community Course Catalog. Visit www.hindscc.org for more information.

Math Offerings

Intermediate Algebra- MAT 1233

3 SH

Prerequisites: ACT: Math Subscore 17-19

The topics discussed and taught in this class include linear equations and their graphs; rational expressions; factoring; exponents; radicals; polynomials.

HS Course: Discrete Mathematics/ 906902

College Algebra- MAT 1313

3 SH

Prerequisites: MAT 1233 or ACT: Math Subscore 20-36

COMPASS : Pre-Algebra 48-100, Algebra 42-100

This course includes inequalities; functions; linear and quadratic equations; circles and their graphs; applications; polynomial and rational functions; logarithmic and exponential functions; systems of equations.

HS Course: Advanced Algebra/906409

Trigonometry- MAT 1323

3 SH

Prerequisites: ACT: Math Subscore: 20-36

COMPASS: Pre-Algebra 48-100, Algebra 42-100

This course includes trigonometric functions and their graphs; functions of composite angles; fundamental relations; trigonometric equations; radian measurement; solutions of right and oblique triangles; inverse trigonometric functions; applications.

HS Course: Trigonometry/ 270411

Science Course Offerings

***Principles of Chemistry I Lecture- CHE 1313**

3 SH

Prerequisites: MAT 0123 or equivalent / ACT: English Subscore: 17-36 and Reading Subscore: 13-36

COMPASS Score: English 38-100, Reading 44-100

Corequisite: CHE 1311

An introduction course in inorganic chemistry. Primarily for nursing, allied health, forestry, and wildlife management majors. Also serves as a lab science elective for liberal arts majors.

Principles of Chemistry Laboratory I- CHE 1311

1 SH

Corequisite: CHE 1313

Selected procedures to illustrate the principals taught during the lecture portion of the class.

HS Course: Organic Chemistry/907531

***Principles of Chemistry II Lecture- CHE 1323**

3 SH

Prerequisites: CHE 1311/1313

Corequisite: CHE 1321

COMPASS Score: English 38-100, Reading 44-100

Study of chemical concepts relating to the environment, agricultural science, consumer materials, and a brief introduction to the general properties of organic compounds. Primarily for students fulfilling their general science requirement.

Principles of Chemistry Laboratory II- CHE 1321

1 SH

Prerequisites: CHE 1311, CHE 1313

Corequisite: CHE 1323

Selected procedures to illustrate the principles taught in lecture.

HS Course: Field Experiences in Science/269998

***General Chemistry I Lecture- CHE 1213**

3 SH

Prerequisites: One unit of high school chemistry and MAT 1233 or credit in CHE 1313 Corequisite: CHE 1211

ACT: English Subscore- 17-36 and Math Subscore- 20-36

COMPASS Score: English 71-100, Pre-Algebra 48-100, Algebra 42-100

Fundamental principles of inorganic chemistry which assumes some prior knowledge of these principles. Special attention is given to problem solving by

dimensional analysis, atomic structure, stoichiometry, chemical equations, bonding, thermochemistry, and the physical properties of gases. Primarily for science majors.

General Chemistry Laboratory I- CHE 1211

1 SH

Corequisite: CHE 1213

Selected laboratory procedures to illustrate the principles taught in lecture. Separation techniques, physical and chemical properties, types of reactions, stoichiometry, synthesis, thermochemistry, and gas laws are discussed.

HS Course: Organic Chemistry/ 907531

***General Chemistry II Lecture- CHE 1223**

3 SH

Prerequisites: CHE 1211, CHE 1213

Corequisites: CHE 1221

Topics include solution chemistry, solid and liquid states, acid-base chemistry, redox reactions, equilibrium, thermodynamics, kinetics, and electrochemistry.

General Chemistry Laboratory II- CHE 1221

1 SH

Prerequisites: CHE 1211, CHE 1213

Corequisite: CHE 1223

Selected laboratory procedures to illustrate the principles taught in lecture: spectrophotometry, equilibrium, quantitative analysis using acid-base and Redox titrations, solubility, product, and kinetics.

HS Course: Field Experiences in Science/ 269998

***Principles of Biology I Lecture- BIO 1113**

3 SH

Prerequisite: ACT: Math Subscore 14-36/ Reading Subscore 10-36

COMPASS Score: English 38-100, Reading 44-100

Corequisite: BIO 1111

A lecture course for non-science majors that provides an introduction to the basic principles of modern biology and their relevance to modern life. Emphasis is placed on the nature and history of scientific thought, basic biological chemistry, cell structure and genetics.

Principles of Biology Laboratory I- BIO 1111

1 SH

Corequisite: BIO 1113

A laboratory course for non-science majors that contains experiments and exercises that reinforce the principles in BIO 1113.

HS Course: Microbiology /907142

***Principles of Biology II Lecture- BIO 1123**

3 SH

Prerequisites: BIO 1111, BIO 1133

Corequisites: BIO 1121

A lecture course for non-science majors that emphasizes the relationship of humans to their environment, classification of organisms, ecology and environmental concerns.

Principles of Biology II Laboratory- BIO 1121

1 SH

Prerequisites: BIO 1111, BIO 1113

Corequisites: BIO 1123

A laboratory course for non-science majors that contains experiments and exercises that reinforces the principles introduced in BIO 1123.

HS Course: Field Experiences in Science/ 269998

***General Biology I Lecture- BIO 1133**

3 SH

Prerequisite: ACT: English Subscore 17-36, Reading Subscore 13-36

COMPASS Score: English 38-100, Reading 44-100

Corequisite: BIO 1131

A lecture course for science majors that includes study of the scientific method, chemistry relevant to biological systems, cell structure and physiology, cell processes including photosynthesis and cellular respiration, cell division, genetics, and molecular genetics.

General Biology I Laboratory- BIO 1131

1 SH

Corequisite: BIO 1133

A laboratory course for science majors that accompanies and emphasizes the information taught in BIO 1133.

HS Course: Microbiology /907142

***General Biology II Lecture- BIO 1143**

3 SH

Prerequisites: BIO 1131

Corequisites: BIO 1141

A lecture course for science majors that reinforces the concepts introduced in BIO 1133 while emphasizing the diversity of life. Topics covered include adaptation by natural selection, classification, ecology, detailed consideration of each group of organisms and viruses, study of animals and plants including their basic anatomy and physiology.

General Biology II Laboratory- BIO 1141

1 SH

Prerequisites: BIO 1131, BIO 1133

Corequisite: BIO 1143

A laboratory course for science majors that reinforces the principles introduced in BIO 1143.

HS Course: Field Experiences in Science/ 269998

***These lecture courses must be taught in conjunction with a lab. Students will receive a total of 4 SH for lab and lecture.**

English Course Offerings

English Composition I- ENG 1113

3 SH

Prerequisites: ACT: English Composite 17-36

COMPASS Score: English 71-100

Emphasis on the basic principles of composition with special attention given to the writing of expository papers.

HS Course: Creative Writing/ 903511

English Composition II- ENG 1123

3 SH

Prerequisite: ENG 1113

A continuation of the development of writing skills emphasized in the prerequisite course. Techniques of research documentation and synthesis of material are included.

HS Course: Technical and Workplace Writing/ 903142

American Literature I- ENG 2223

3 SH

Prerequisite: ENG 1123

American Literature I surveys the literary, cultural, philosophical, religious, social, and economic dimensions of the Ancient, Pre-Colonial, Revolutionary, Romantic, and Early Nineteenth Century Periods through a chronological study of major authors and their writings.

HS Course: American Novels/ 903130

American Literature II- ENG 2233

3 SH

Prerequisite: ENG 1123

American Literature II surveys the literary, cultural, philosophical, religious, social, and economic dimensions of the Mid-Nineteenth, Modern, and Post-Modern periods through a chronological study of major authors and their writings.

HS Course: African-American Literature/ 903423

World Literature I- ENG 2423

3 SH

Prerequisite: ENG 1123

World Literature I surveys the literary, cultural, philosophical, religious, social and economic dimensions of the Ancient, Grecian, Roman, Medieval, and Renaissance periods through a chronological study of the major authors and their writings.

HS Course: World Literature/ 903144

World Literature II- ENG 2433

3 SH

World Literature II surveys the literary, cultural, philosophical, religious, social and economic dimensions of the Enlightenment, Romantic, Realism and Modern periods through a chronological study of the major authors and their writings.

HS Course: Short Stories/ 903131

Social Science Course Offerings

Western Civilization I - HIS 1113

3 SH

Prerequisites: ACT: English Subscore 14-36, Reading Subscore 13-36

COMPASS Score: English 38-100, Reading 63-100

A general survey of European history from ancient times to the mid-seventeenth century.

HS Course: Comparative Government and Politics/ 908020

Western Civilization II- HIS 1123

3 SH

Prerequisites: ACT: English Subscore 14-36, Reading Subscore 13-36

COMPASS Score: English 38-100, Reading 63-100

A general survey of European history since the seventeenth century.

HS Course: Local Resource Studies/908702

American History I- HIS 2213

3 SH

Prerequisites: ACT: English Subscore 14-36, Reading Subscore 13-36

COMPASS Score: English 38-100, Reading 63-100

This is a survey of American history from pre-history to reconstruction.

HS Course: Problems in American Democracy/ 908017

American History II- HIS 2223

3 SH

Prerequisites: ACT: English Subscore 14-36, Reading Subscore 13-36

COMPASS Score: English 38-100, Reading 63-100

A survey of the United States since the Civil War and Reconstruction , or since 1877 to the present.

HS Course: Law Related Education/ 908101

Introduction to Sociology- SOC 1123

3 SH

Prerequisites: ACT: English Subscore 14-36, Reading Subscore 13-36

COMPASS Score: English 38-100, Reading 63-100

The nature and development of culture; social aspects of personality; culture change; and, analysis of community life, population trends, social classes, institutions, processes, and organization.

HS Course: Sociology/ 908121

General Psychology- PSY 1513

3 SH

Prerequisites: ACT: English Subscore 17-36, Math Subscore 15-36, Reading Subscore 16-36

COMPASS Scores: English 71-100, Pre-Algebra 36-100, Reading 72-100

An introduction to the scientific study of human behavior and mental processes.

This includes history and theories of psychology, research methods, biological bases of behavior, the principles of learning, personality, and abnormal behavior.

HS Course: Psychology/ 908111

Modern Language Offerings

Elementary French I- MFL 1113

3 SH

For beginning students and those with not more than one year of high school French. Pronunciation, grammar, conversation, reading, and composition.

HS Course: French II/904904

Elementary French II- MFL 1123

3 SH

Prerequisite: MFL 1113

Continuation of MFL 1113 with emphasis on the development of oral skills.

HS Course: French II/ 904904

French III- MFL 2113

3 SH

Prerequisite: MFL 1123 or two units of high school French

Review of French grammar with readings and exercises designed to increase the student's vocabulary, contribute to mastery of idiomatic construction, and introduce French literature.

HS Course: French III/904905

French IV- MFL 2123

3 SH

Prerequisite: MFL 2113 or equivalent

Continuation of MFL 2113 with advanced activities in reading and speaking the language.

HS Course: French III/904905

Elementary Spanish I- MFL 1213

3 SH

For beginning students and those with not more than one year of high school Spanish. Basic Spanish grammar, pronunciation, vocabulary, conversation, reading and composition.

HS Course: Spanish II/ 904934

Elementary Spanish II- MFL 1223

3 SH

Prerequisites: MFL 1213 or equivalent

Continuation of MFL 1213 with emphasis on reading, writing, and oral activities.

HS Course: Spanish II/ 904934

Spanish III- MFL 2213

3 SH

Prerequisites: MFL 1223 or two units of high school Spanish

Review of Spanish grammar, followed by the reading of suitable modern Spanish literature.

HS Course: Spanish III/ 904935

Spanish IV- MFL 2223

3 SH

Prerequisites: MFL 2213 or equivalent

Continuation of MFL 2213.

HS Course: Spanish III/ 904935

Business/Elective Course Offerings

Public Speaking I- SPT 1113

3 SH

Prerequisite:

Study and practice in making speeches for a variety of public forums. Major emphasis is placed on speech preparation and delivery.

HS Course: Debate I/ 903022

Principles of Accounting I- ACC 1213

3 SH

Prerequisites: ACT: Math Subscore 15-36, Reading Subscore 13-36

COMPASS Score: Pre-Algebra 36-47

A study of the financial accounting principles that relate to business. The topics to be covered include the accounting cycle, accounting systems and controls for service and merchandising businesses, assets, liabilities, and equity.

HS Course: Personal Finance/ 901128

Principles of Accounting II- ACC 1223

3 SH

Prerequisites: ACC 1213

A continuation of ACC 1213. The topics to be covered include corporate accounting concepts, managerial accounting concepts and internal business decision making.

HS Course: Financial Technology/ 902127

