

ART 112 (1010) Ceramics II

Prerequisite: ART 111 Ceramics I

Credit Hours: 3

An introduction to wheel throwing techniques and advanced hand-building. Emphasis will be placed on traditional and sculptural applications of clay. This course is intended to be a continuation of Ceramics I. Instruction will be based on class discussion, lecture, and lab work.

ART 113 (1030) Sculpture

Credit Hours: 3

Prerequisite: None

An introduction to the special problems and techniques of three-dimensional sculptural form and design including clay modeling, molding, and casting. Emphasis will be placed on additive and subtractive processes. Instruction will be based on lecture, class discussion, and lab work.

ART 115 (1021) Painting I

Prerequisite: None

Credit Hours: 3

An introduction and exploration of various painting materials, techniques, and subject matter. The use of oils, color theory, value, and stylistic techniques will be emphasized. Instruction will be based on class discussion and lab work.

ART 116 (1022) Painting II

Prerequisite: ART 115 Painting I

Credit Hours: 3

A continuation of material covered in Painting I. Emphasis will be placed on individual special problems in painting. Students will work on independent projects. Instruction will be based on class discussion, individual conference, and lab work.

ART 130 (1011) Art Appreciation KRSN ART1010**

Prerequisite: None

Credit Hours: 3

This course is designed to give students a broad background in art history and an appreciation of art. The primary focus will be on the principles and philosophies of the visual arts. In addition, we will look at how art relates to and enriches our society. Instruction will be based on video and slide presentations, lecture, selected readings, class discussion, and hands-on projects.

EDUC 154 (831) Art Education

Prerequisite: None

Credit Hours: 3

This course is designed to help art education and elementary education concentrations build an understanding of children's art and develop an art curriculum for their classroom that provides quality art experiences for every child. Emphasis will be placed on lab work and experimentation of various art materials suitable for the classroom. Instruction is based on lecture, class discussion, and lab work.

Biology

All 5 Credit Hour Biology courses include a Lab

BIOL 101 (0401) Biology

Prerequisite: None

Credit Hours: 3

This course presents a study of the basic concepts of living matter with emphasis on cells, tissue, and organism structure and function. An evolutionary approach with emphasis on classification, inheritance, and the ecology of plants and animals is used. This course is intended for students whose concentration is other than biology, with emphasis on knowledge of the scientific method of the chemical component of living organism and the fundamental relationship between animals and plants.

*Refer to the Placement Testing Procedure 3.22, page 25 ** Refer to Course Transfer, page 20

BIOL 108 (0422) Principles and Concepts of Genetics (IO)

Prerequisite: None

Credit Hours: 3

Genetics, Principles and Concepts is a course designed to study the patterns and mechanisms of classical inheritance, molecules basis of inheritance and gene expression, DNA technologies, gene expression, cancer genetics and population genetics and evolution.

BIOL 120 (0431) Biology KRSN BIO1020/1021/1022**

Prerequisite: None

Credit Hours: 5

This course presents a study of the basic concepts of living organisms using an evolutionary approach with emphasis on classification, inheritance, and the ecology of plants and animals. This course is intended for students whose concentration is biology and related disciplines with emphasis on knowledge of the scientific method and the chemical components and functions of cells, and tissues and organisms' structure and function. Laboratory exercises are designed to emphasize and support the course concepts and stress the scientific method of investigation.

BIOL 122 (0404) Environmental Life Science

Prerequisite: None

Credit Hours: 5

This natural science course provides an overview of life science with emphasis placed on basic principles and unifying concepts of environmental science. This course includes general biology concepts in relation to human interaction with the world around them. Students will gain the scientific foundation and tools needed to apply critical thought to contemporary environmental issues.

BIOL 124 (0402) General Botany

Prerequisite: None

Credit Hours: 5

A study of plant growth, physiology, morphology, reproduction, taxonomy, and evolution. This course is open to anyone interested; however, it is directed toward students with a biology concentration. Laboratory exercises accompany lectures.

BIOL 126 (0407) General Zoology

Prerequisite: None

Credit Hours: 5

Fundamental principles and processes of animal life including relationships, morphology, life history, ecology, genetics, and evolution. This course is open to anyone interested; however, it is directed toward students with a biology concentration. Laboratory exercises accompany lecture.

BIOL 130 (0412) Anatomy and Physiology KRSN BIO2020**

Recommended Prerequisite: High School Biology with an A or B, BIOL 101 Biology (3 credit hour) or BIOL 120 Biology (5 credit hour)

Credit Hours: 5

This course is designed for one semester and is a comprehensive discipline of Biology. Anatomy and Physiology (A&P) involves both lecture and laboratory study of the human body. The course covers the competencies for anatomy and physiology at the college level as set forth by the State of Kansas Core Competency Committee. The course will integrate the structure and function of the human body. This course meets the requirements for those interested in nursing, respiratory therapy, radiography, physical education, biology majors, minors, and for other health sciences. Lectures and labs are presented in a logical sequence by body systems

BIOL 201 (0411) Microbiology

Recommended as a Prerequisite: BIOL 101 Biology (3 credit hour) or BIOL 120 Biology (5 credit hour) or BIOL 130 Anatomy & Physiology (5 credit hour)

Credit Hours: 5

This course presents a study of microorganisms and their morphological, physiological, and biochemical characteristic response to the environment as well as their influence on the surroundings. Their relationship to the anatomy and physiology of the human body, aspects of parasitism, infection state, body defenses, and methods of control and prevention of infections will also be stud-

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ied. Laboratory experiments will be conducted relating to bacterial growth, isolation and pure culture techniques as well as physiological characteristics of different microorganisms.

Business Administration

BUAD 101 (0501) Introduction to Business KRSN BUS1020**

Prerequisite: None

Credit Hours: 3

A study of different aspects of the business world such as marketing, production, finance, and human resource management.

BUAD 104 (0505) Business Law I

Prerequisite: None

Credit Hours: 3

An introduction to laws covering administrative law, tort law, and contracts. Sophomore standing is recommended.

BUAD 105 (0506) Business Law II

Prerequisite: BUAD 104 Business Law I

Credit Hours: 3

A study of laws covering sales, partnerships, corporations, real property, negotiable paper, insurance, security devices, bankruptcy, wills, and estates. Sophomore standing is recommended.

BUAD 110 (0545) Business Communications

Prerequisite: None

Credit Hours: 3

This course is designed to develop skills and knowledge necessary for effective business communications – both oral and written, and to provide experience in the application of these skills and knowledge in solving business communication problems.

BUAD 205 Personal Finance KRSN BUS 1010**

Prerequisite: None

Credit Hours: 3

Personal Finance introduces students to the importance of consumer financial issues. Students will gain knowledge of the principles of money management, consumer credit, insurance, investments and retirement planning.

Business Administrative Technology

OTEC 102 (0587) College Keyboarding

Prerequisite: None

Credit Hours: 3

This course is designed to develop machine control and mastery of the keyboard. The course emphasizes proper keyboarding techniques, accuracy, and speed, which can be applied to a variety of problems that the students are likely to meet in their personal life and/or in the business world.

OTEC 103 (0739) Microcomputer Applications I

Prerequisite: None

Credit Hours: 3

This course will teach the student specific areas of expertise in the computer area.

OTEC 106 (0588) Formatting

Prerequisite: OTEC 102 College Keyboarding or one or more units of keyboarding in high school

Credit Hours: 3

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