Concurrent Enrollment College Classes

These are the typical classes that have been taken by West Lyon students in the past but other classes are available ONLINE through NCC. For a full course list and description go to the NCC course catalog at: https://goo.gl/vSArP3

ART

ART101-A Art Appreciation

3 cr

A study of the visual arts designed to give you an understanding and awareness of art in relationship to your environment.

BIOLOGY

BIO105-A Introductory Biology

4 cr

An introduction to basic biological principles with emphasis on topics and issues of current interest and applications of biology related to the medical, ethical, and social dilemmas of humans integration with the biosphere. The required laboratory will stress the process of science and exposure to living organisms. Topics to be considered are structure, function, and metabolism of cells, genetics, impact of molecular biology and genetic engineering, plants, animals, diversity, and evolution.

BIO151-A Nutrition

3 cr

In this course you will learn a basic overview of the principles of nutrition. Discussion focuses on the major nutrients and their significance and utilization in the human body. Additional topics discussed include food trends, nutritional needs through the lifespan, weight management, stress management, and drug-food interactions.

BIO168-A Human Anatomy & Physiology I

4 cr

An advanced study of anatomy and physiology, the relationship between body structure and function and homeostasis forms the basis for the course. Pahtological processes that result in dysfunction and disease are presented. Major topics include cell biology, histology, skin, skeletal, muscular, and nervous systems. Includes lecture and laboratory.

BUSINESS

BUS102-A Introduction to Business

3 cr

This course introduces you to American contemporary business, its nature, and environment. This survey course provides you with the exposure to the following areas of business: the social responsibilities of business, management, production,

human resource, marketing, finance, quantitative methods, world business, and business law.

CHEMISTRY

CHM122-A Introduction to General Chemistry

4 cr

This is the first in a sequence of two basic Chemistry courses. This class takes an elementary approach to chemical principles and laboratory practices. Emphasizes the nature of matter, bonding, nomenclature, equations, acids and bases, and chemistry as applied to everyday life. Intended to fulfill laboratory science requirements and to fulfill chemistry requirements for nursing, dental hygiene, or some home economics and agriculture programs.

COMPUTER SCIENCE

CSC110-A Introduction to Computers

3 cr

Designed as an introductory computer course for the student with little or no IBM-based computer experience. You will become familiar with the computer by completing hands-on computer work during class time. You will be introduced to operating system concepts and will learn about the capabilities of word processing, spreadsheets, databases, presentations, and the Internet.

ECONOMICS

ECN120-A Principles of Macroeconomics

3 cr

This course is an introduction to basic macroeconomics theory. You will gain an understanding of the economizing problem, supply and demand, national income, distribution of income, employment, price levels, business cycles, fiscal and monetary policy, elements of banking and finance, and analyze current economic problems.

ECN130-A Principals of Microeconomics

3 cr

An introduction to basic microeconomics, this class studies the theory and understanding of microeconomics. You will gain an understanding of supply and demand, competition, market structure, resource allocation, the price system,

output determination, economic effects on the individual and the firm, and analyze current economic problems.

ENGLISH

ENG105-A Composition I

3 cr

This course focuses on developing written communication skills through various experiences including expository, persuasive, and research papers. Instruction will also include basic research and documentation skills.

ENG106-A Composition II

3 cr

Prerequisite: ENG105-A

This course focuses on helping you develop advanced writing skills in order to compose analytical and persuasive essays. You will use advanced research and critical thinking skills to respond to and compose essays based on current issues and enduring questions.

FINANCE

FIN101-A Principals of Banking

3 cr

You will be introduced to basic banking practices. Emphasis will be on the practical aspects of money and banking, including a look at the occupational disciplines within the banking industry. This course will also provide a conceptual study of bank management issues such as organizational management and control.

HISTORY

HIS110-A Western Civilization: Ancient to Early Modern 3 cr

This course is a survey of the evolution of Western Civilization from prehistory to the emergence of the nation-state. Topics include the birth of the first civilization; Greece and Rome; the rise of Christianity; the disintegration of the Roman Empire; and the Early, High, and Late Middle Ages.

HIS111-A Western Civilization: Early Modern to Present 3 cr

Studies the Evolution of Western Civilization from the rise of the nation-state to the present. Major topics include the French Revolution and the Age of Napoleon; 19th century developments such as liberalism, the Industrial Revolution, socialism, nationalism, and imperialism; and the great wars and upheavals of the 20th century.

HEALTH SCIENCES

HSC114-E Medical Terminology

3 cr

This is an individualized course which includes spelling and definitions of medical terms including word parts, human body structure, common psychiatric terms and the following body systems: integumentary, respiratory, urinary, male and female reproductive, obstetrics and neonatology, cardiovascular and lymphatic, digestive, eye, ear, musculoskeletal, nervous and endocrine systems.

MATH

MAT121-A College Algebra

4 cr

This course is designed to strengthen and expand your algebra skills. The emphasis is on using the concept of an algebraic function to model real-life situations. Different types of models including linear, polynomial, exponential, and logarithmic models are presented along with the supporting algebraic skills and procedures.

MAT201-A Calculus I

4 cr

Prerequisites: MAT121 and MAT131 or an equivalent Precalculus course This course is designed to provide you with a basic knowledge of calculus. Topics covered include the notion of limit, the derivative, and the integral as well as practical applications of these concepts. Topics will be approached from numerical, graphical, and analytical standpoints.

MUSIC

MUS100-A Music Appreciation

3 cr

You will be given the opportunity to become a more knowledgeable and more creative listener of music through the course. It provides insight into the origins of the various types of music selections from the Renaissance period through the twentieth century. It includes an opportunity to listen to a cross section of musical selections throughout the course.

PHARMACY

PHR105-E Introduction to Pharmacy Technology

3 cr

This course is designed to provide the student with basic knowledge about community and institutional pharmacy practice. Topics include: Orientation of Technician duties, Medical Terminology, Introduction to Institutional Pharmacy Practice, Introduction to Community/Ambulatory Pharmacy, and Pharmacy Calculations. Students taking this course should have basic reading comprehension skills and high school algebra.

PHILOSOPHY

PHI101-A Introduction to Philosophy

3 cr

This course provides a brief survey of the development of philosophical thinking. Writings of noted philosophers will be reviewed. An addition, time will be spent on concepts pertinent to self autonomy, the nature of man, senses and reality, freedom and choice, laws, and conscience.

PSYCHOLOGY

PSY121-A Developmental Psychology

3 cr

Students are provided an overview of human development through the lifespan. Topics covered include prenatal, infant, early childhood, middle childhood, adolescence, and all stages of adulthood. Physical, cognitive, psychological, and social development are considered at each stage in the lifespan in an interactive manner. The language and methods of developmental psychologies are discussed.