
COURSE DESCRIPTIONS

BUSINESS / COMMUNICATIONS / COMPUTER

Kranz, Roehl, S. Sydow

Computer I (0.5 credit)

[Note: Basic proficiency in keyboarding expected of incoming students; remedial instruction provided if needed]

Introduction to the history, vocabulary, and functionality of computers, including an emphasis on computer applications: word processing, programming, spreadsheets, various presentation software approaches, video editing, and robotics. Internet used extensively throughout the course and in particular for a research project and for producing and storing documents using Google Classroom and Google Drive.

Computer II (0.6 credit)

Advanced use of application software, including word processing, spreadsheets, databases, programming, Internet, webpage design, graphic design, musical composition, video production, various presentation software approaches, and use of the cloud for productivity.

Consumer Economics (1 credit)

Introduction to personal finances; topics include personal banking, budgeting, home and auto ownership, various types of insurance, income tax, investment, etc. Also a study of American economics as it applies to business and consumer involvement. Emphasis placed on good stewardship.

Journalism (0.6 credit)

An introduction to all facets of the journalistic process: reporting, writing, design, graphics, photography, broadcast, and multimedia. Study of the fundamental principles of gathering, writing, reporting, and editing the news. Emphasis placed on accuracy, brevity, clarity, and reportorial responsibility. Introduction to basics of layout and design through desktop publishing.

Personal Finance I (0.1 credit)

An introduction to personal finance offered as required online course to seniors not taking Consumer Economics. Topics covered: saving, budgeting, debt, investing, and retirement.

Personal Finance II (0.1 credit)

Elective online course for students who complete Personal Finance I. Topics covered: life after high school, consumer awareness, insurance, taxes, charitable giving, and global economics.

ENGLISH

J. Lau, D. Schierenbeck, Weis

Literature and Grammar (1 credit)

Extensive grammar review, including mechanics. Literature: survey of short stories, poetry; selected dramas and a novel; outside reading. Spelling and vocabulary building.

Literature and Composition (1 credit)

A study of poetry, short stories, drama, essays, biographies, and novellas with special reference to literary elements, concepts, terms, and techniques. Development of skills in writing essays.

American Literature (1 credit)

Opportunity to develop communication skills through exploration, analysis, and creation of a variety of American literature genres, including poetry, short stories, memoirs, essays, and novels. Emphasis on reading novels of choice outside of class.

British Literature/Speech (1 credit)

Reading and exercises in writing and speech; outside reading required in the area of British literature.

FINE AND APPLIED ARTS

Gullerud, Gurgel, L. Lau, Johannes, Kranz, D. Schaller, P.

Schaller

Art (1 credit)

A hands-on course that gives students an opportunity to learn the principles of art and apply them in a variety of two-dimensional and three-dimensional media.

Band (0.5 credit)

A practical course to foster and promote the development of God's gift of music, which is manifested in three areas: playing music to the glory of God, providing meaningful entertainment and inspiration for others, improving God-given musical abilities.

Choir (0.4 credit)

Semester 1: selected sacred motets, anthems, and choruses to fit a Christmas theme for concert presentation. Semester 2: selected sacred motets, anthems, and choruses for a spring concert presentation.

Hymnology (0.2 credit)

A study of the history of hymnody from the Old Testament period to the present.

Music Fundamentals (0.1 credit)

Music notation, rhythm, dynamics, tempo, and musical instruments found in printed music literature; basic elements of music composition, reading choral and band music, and sharing music with others.

Music Awareness (0.2 credit)

A study of the history of music, with special attention given to instrumental music of the Baroque, Classical, and Romantic eras.

Piano (0.2 credit) Applied music lessons for beginner, intermediate, and advanced levels.

Organ (0.2 credit) Applied music lessons (organ instruction may begin for students meeting the minimum requirements in piano).

FOREIGN LANGUAGES

Gullerud

Spanish I (1 credit)

First-year introduction to Spanish, emphasizing communication through reading, writing, speaking, and listening in the context of Hispanic culture.

Spanish II (1 credit)

Second-year intermediate Spanish. Reinforcement of the concepts learned in Spanish 1, as well as advancement in vocabulary, grammar, and Hispanic cultural awareness.

Spanish III (0.6 credit)

Third-year advanced Spanish. Reinforcement of the concepts learned in Spanish I and II, as well as advancement in vocabulary, grammar, and Hispanic cultural awareness.

MATHEMATICS

Johannes, Kranz, Roehl, D. Schaller, J. Schierenbeck,

J. Sydow

Pre-Algebra (1 credit)

A review of general mathematical principles and an introduction to those principles necessary for Algebra I.

Algebra I (1 credit)

An incremental approach to algebra with emphasis on reinforcement.

Algebra II (1 credit)

Advanced algebra. Variation, roots, exponents, logarithms, trigonometry, quadratics, and progressions.

Geometry (1 credit)

Principles of Euclidean geometry including work with similarity and congruence of triangles, perpendicular and parallel lines, area of plane figures, volume of solids, properties of circles, and trigonometry. Deductive reasoning used throughout the course by means of both direct and indirect proofs in formal and paragraph format.

Precalculus (1 credit)

A precalculus course including polynomial, radical, exponential and logarithmic functions, circles, linear systems and matrices, conics, sequences and series, probability, and trigonometry (Prerequisite: Algebra II and Geometry).

Calculus (1 credit)

Functions, limits, derivatives, integration, indeterminate forms, sequences and series with tests for convergence and divergence, parametric equations, and polar coordinates (Prerequisite: Precalculus).

** Mathematics courses are scheduled simultaneously so that students may enter that class for which they are prepared. While two years of mathematics are required of all students, three or four years are recommended since most colleges have an established minimum requirement of three years of mathematics, including Algebra II and/or Geometry.

AP[®] Statistics (0.6 credit)

An Advanced Placement statistics course including exploring data, sampling and experimentation, anticipating patterns, and statistical inference (Prerequisite: Algebra II).

PHYSICAL EDUCATION

Johannes, Lau, Roehl

Physical Education 9 & 10 (0.4 credit)

Physical-fitness training along with selected individual, team, and lifetime sports to help improve coordination and set a pattern of physical fitness in a student's life.

Fitness for Life (0.2 credit)

Awareness of what it means to be physically fit; evaluation of personal fitness, understanding of healthy nutrition, and designing a personal fitness program using online resources.

RELIGION

Naumann,

Sippert, Weis

Old Testament I (0.6 credit)

A study of the pattern of God's saving love in Christ as displayed in the lives of His people and recorded in the Old Testament books beginning with Genesis. Covering the time period from Creation to the end of King David's reign.

Old Testament II and Gospels (0.6 credit)

A study of the pattern of God's saving love in connection with the lives of His people as recorded in the latter Old Testament books and in the four Gospels. Covering the time period from the beginning of King Solomon's reign through the life of Christ.

New Testament [Acts and Epistles] (0.6 credit)

The pattern of God's saving love in connection with the lives of His people as recorded in the book of Acts and the Epistles. Includes a study of Christian doctrine in its historical setting.

Church History (0.4 credit)

A Bible-based study of the history of Christianity from the time of the apostles to the present.

1 Corinthians & Comparison of Religions (0.6 credit)

A study of 1 Corinthians in the first semester. A study of various world religions in the second semester as they compare with Christianity. A study of major Christian denominations and Lutheran church bodies as they compare in doctrine and practice with the Church of the Lutheran Confession.

SCIENCES

Rodebaugh, J. Schierenbeck

Physical Science (1 credit)

Physical science in terms of the relationships of matter and energy. Includes laboratory investigations.

Health (0.5 credit)

Health in relation to physical and emotional well-being, substance abuse, communicable diseases, and basic

first aid.

Biology (1 credit)

Study of molecular, cellular, and multicellular levels of organization including interrelationships of organisms and their ecology. Laboratory work required.

Honors Physics (1 credit)

Laboratory-based study of measurement, force and motion, work and energy, momentum, fluids, vibration and waves, light, sound, temperature and heat, molecular behavior, electricity and magnetism, and modern physics (Prerequisite: Algebra II or enrollment in Algebra II).

Honors Chemistry (1 credit)

Laboratory-based study of atomic structure, chemical nomenclature, bonding, reactions, equations, stoichiometry, physical phases of matter, gases, solutions, acids and bases, oxidation-reduction reactions, organic chemistry, and radioactivity.

Introduction to Engineering Design (0.6 credit)

A project-based introduction to engineering design principles with an emphasis on microcontroller programming and computer-aided design (CAD).

SOCIAL STUDIES

Gullerud, Kranz, Lau, S. Sydow

World History (1 credit)

World history from the beginning of time to the present. Special emphasis upon the role of divine providence amid the activities of mankind.

American History (1 credit)

History of America from the colonial period to the present. Special emphasis upon the hand of God guiding the events of history for the good of the child of God.

Modern History (0.6 credit)

World history from 1945 to the present. God's hand directing people and nations since World War II, along with methods and sources of historical research. Emphasis on how the modern world came to be and how recent history sheds light on current events.

Geography (1 credit)

Political and cultural study of world geography.

Principles of Democracy (1 credit)

A study of the basic principles of democracy with special emphasis upon the relationships and responsibilities of the Christian citizen to himself, his family, his community, his country, and his world.