

High School Course Descriptions

2022-2023

English

English I

This course will focus on literature and composition, reinforcing a study of standard grammar usage, mechanics, and vocabulary. In literature, the course includes the short story, the novel, drama, poetry, mythology and non-fiction. This course will focus on the development of critical thinking and study skills. Emphasis is given to the development of written and oral communication skills with a focus on paragraph and essay writing, creative writing, principles of research and debating, and a comprehensive review of grammar and mechanics.

English II

Prerequisite: Composition

This course will provide opportunities for students to develop skills in composition and to analyze a variety of literary works. It will focus on poetry, drama, short stories, and novels from world literature. Students are required to take the English II End-of-Course exam for this course.

English III

Prerequisite: English II

This course will focus on the historical and literary aspects of American literature with emphasis on selections by major American authors. Students will read independently, write papers, and conduct research. Attention is given to students' ACT and SAT verbal skills.

English IV

Prerequisite: English III

This course will emphasize the study of the literature of England and the development of the English language. It will include composition study from essays to major research projects as well as vocabulary development.

Mathematics

Foundations of Mathematics I

This course is a preparatory course for math I. Students are introduced to algebra, geometry, and other mathematical topics that are integrated in a format that connects mathematics to students' lives and the world of work.

Mathematics I

Math I provides students the opportunity to study concepts of algebra, geometry, functions, number and operations, statistics and modeling throughout the course. These concepts include expressions in the real number system, creating and reasoning with equations and inequalities, interpreting and building simple functions, expressing geometric properties and interpreting categorical and quantitative data. The final exam is the North Carolina End-of-Course Test based on the North Carolina Math 1 Standards.

Mathematics II

Prerequisite: Math I

This course continues a progression of the standards established in Math I. In addition to these standards, Math II includes: polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, probability, making inferences and justifying conclusions.

Mathematics III

Prerequisite: Math I & Math II

Progresses from the standards learned in Math I and Math II. In addition to these standards, Math III extends to include algebraic concepts such as: the complex number system, inverse functions, trigonometric functions and the unit circle. Math III also includes the geometric concepts of conics and circles.

Mathematics IV

Prerequisite: Math I, Math II, Math III

NC Math 4 focuses on functions and statistical thinking, continuing the study of algebra, functions, trigonometry and statistical concepts previously experienced in NC Math 1-3. The course is designed to be a capstone to introductory statistical concepts. Additionally, the course intentionally integrates concepts from algebra and functions to demonstrate the close relationship between algebraic reasoning as applied to the characteristics and behaviors of more complex functions.

Science

Physical Science

Prerequisite: Math I

Introductory course to the concepts of Physics and Chemistry. Topics of study include the structure of the atom, structure and properties of matter, motions and forces, and the conservation of energy, matter, and charge. Students use their mathematical skills in the applications of science.

Biology

Biology involves the study of living organisms and their relationship to their environment. The topics covered include: an in-depth study of the molecular building blocks of life, biological processes, evolution, bio-diversity, fundamentals of energy dynamics in living things, genetics, and ecological

systems. Laboratory work includes a study of a select group of plants, animals and microorganisms. The final exam for this course is the North Carolina End-of-Course Test.

Chemistry

Prerequisite: Math III recommended

This course is a study of the properties and structure of matter and relationship between energy and matter. Topics include atomic energy, chemical reactions, stoichiometry solutions, and nuclear chemistry. Students will perform lab activities and solve mathematical calculations.

History and Social Studies

American History-Foundations and Principal of Civics and Economics

This course is designed to provide the student with an overview of the political, legal, and economic system of the United States. Concentrated areas include the U.S. Constitution, the organization and operation of the federal, state, and local levels of government.

American History I

In this course students will examine the historical and intellectual origins of the US from the European exploration and colonial settlement to the Revolutionary and Constitutional eras. Students will learn about the important political and economic factors that contributed to the development of colonial America and the outbreak of the American Revolution, as well as the consequences of the Revolution, including the writing and key ideas of the US Constitution. This course will guide students as they study the establishment of political parties, America's westward expansion, the growth of sectional conflict, how that sectional conflict led to the Civil War, and the consequences of the Civil War, including Reconstruction.

American History II

In this course students will examine the political, economic, social, and cultural development of the US from the end of the Reconstruction era to the present times. Students will explore the change in the ethnic composition of American society, the movement toward equal rights for racial minorities and women, and the role of the US as a major world power. An emphasis will be placed on the expanding role of the federal government and the federal courts, as well as the continuing tension between the individual and the state. The desired outcome of this course is for students to develop an understanding of the cause and effect relationship between past and present events, recognize patterns of the interactions, and understand the impact of events on the US in an interconnected world.

Economics and Personal Finance

The Economics and Personal Finance (EPF) course is intended to be a study of economics, personal finance, income and education, money management, critical consumerism, and financial planning. This course expects students to enter possessing a fundamental knowledge and understanding of the basic principles of economics and money management. When opportunities can be provided, this course can be

augmented by related learning experiences, both in and out of school, that enable students to apply their knowledge and understanding of how to participate in their own financial literacy. Mastery of the standards and objectives of this course will inform and nurture responsible, participatory citizens who are competent and committed to responsible money management and financial literacy.

Foreign Languages

Spanish I

In this course students will actively participate in the four areas of language learning: listening, speaking, reading, and writing, with an emphasis on oral/ aural communication. Through individual and cooperative learning activities, students will practice specific topics as describing everyday items, ordering meals in restaurants, shopping, reading maps, and other common daily activities. Culture capsules provide insights into various societies where Spanish is spoken.

Spanish II

Students will build on their knowledge gained in Spanish I, while actively participating in the four areas of language learning with an emphasis on speaking and listening/interpretation skills. Specific topics that the student will master include travel settings such as a hotel and marketplace, talking about health, and describing daily routines and weekend plans. Students will be required to engage in more challenging discussions in Spanish and English as they use their critical-thinking skills to restate and assess both written texts and recorded passages.

Health and Physical Education

Health and Physical Education I

The health portion of the course offers a comprehensive treatment of personal and community health and safety. The physical education section stresses participation in activities, which help develop basic motor skills. Skills are taught for some team participation.

Weigh Training

This course will consist of lifting through a strenuous upper and lower body workout, running, and physical conditioning. It is designed to improve fundamentals that will prevent injury on athletic fields and for the person serious about his/her strength and physical conditioning.

Physical Education-Team Sport

Prerequisite: Health and Physical Education I

Team Sport will help students improve a variety of physical education skills and techniques. The advanced physical education courses address overall physical conditioning and includes running, calisthenics, and activities designed to increase strength, stamina, and endurance. The student must pass each level course to advance.

Physical Education-Strength and Conditioning I & II

The Strength & Conditioning Curriculum focuses on developing & improving Health Related Fitness which includes Muscular Strength, Muscular Endurance, Cardiovascular Endurance, Flexibility and Improved Body Composition.

Arts Education

Visual Arts-Beginning

This course is a basic introduction to various art media incorporating the study of the design principles. It includes hands-on experience with drawing, painting, printmaking, ceramics, and sculpture. The study of art history is also introduced as it is incorporated with studio projects. A sketchbook with assignments is required.

Visual Arts- Intermediate

This course is an in depth study of various media with emphasis on creativity and craftsmanship. A review of design elements is involved. Drawing, painting, and ceramic techniques are stressed along with art history. A sketchbook with assignments is required.

Band –Beginning

The content of this entry level course focuses on development of concepts, knowledge and skills in music reading, improvisation, rhythm, intervals, musical terms, harmonic principles, intonation, tone production, breath control, articulation, analysis, historical relationships, evaluation of music and music performances, and relation of musical understandings to other areas of the curriculum.

Band- Intermediate

This course further develops the musical concepts, knowledge, and skills learned in beginning band or 6-8 band. Students will also perform more advanced musical literature. Students must place into this level of band by Performing at an appropriate level of musical understanding and technique as determined by the band director.

Career and Technical Education

Child Development (FE60)

This course introduces students to responsible nurturing and basic application of child development theory, beginning with prenatal development up to children age 5. Areas of study include effects of family

on individuals and society; prenatal development and care; understanding how children develop; and care of infants, toddlers, and preschoolers.

Early Childhood Education I (FE11)

Prerequisite: FE60 Child Development

This two-credit course prepares students to work with children in early childhood education settings. Topics of study include historical, theoretical, and philosophical foundations of the profession, the structure of early childhood programs, connecting appropriate learning activities and teaching strategies to developmental needs of children, inclusive environments, communicating expectations, setting limits, and guiding behavior, as well as personal growth in the field of child development. An internship makes up 50 percent of instructional time. Due to student participation in internships at early childhood centers that are licensed by the Division of Child Development and Early Education, students must be 15 years of age before September 1.

Early Childhood Education II (FE12)

Prerequisite: Early Childhood Education I (FE11)

This two-credit course provides advanced experiences in working with children from infancy to age 12 in early education and childcare settings. Areas of study include program planning and management, developmentally appropriate practice, procedures, and strategies for working with special groups of children, career development and professionalism. An internship makes up 50 percent of instructional time.

Principles of Family and Human Services (FC11)

Students learn life literacy skills and individual, family, and community systems in the context of the human services field. Emphasis is placed on human development, professional skills, diversity, analyzing community issues, and life management. Activities engage students in exploring various helping professions, while building essential life skills they can apply in their own lives to achieve optimal wellbeing. English/language arts, social studies, mathematics, science, technology, and interpersonal relationships are reinforced.

Digital Design and Animation I (TS242X0)

Digital Design and Animation I is an introductory level course focusing on the concepts and tools used by digital artists in a wide variety of creative careers including graphic design, film, and game design. Students work with professional-grade creative software packages to develop 2D and 3D digital graphics and audio/video media. Students use Adobe CC Suite, and digital 3D modeling with 3DS Max to build needed skills for subsequent courses.

Digital Design and Animation II (TS252X0)

Prerequisite: TS242X0 – Digital Design and Animation I

Digital Design and Animation II emphasizes the use of industry-standard digital technology and media to help students develop the artistic and technical skills necessary to plan, analyze, and create visual solutions to 21st Century communications problems. Students engage in digital art activities using professional-grade creative software packages to develop complex 2D and 3D digital graphics and

audio/video media. Students apply Adobe CC Suite and 3DS Max skills to industry-related activities and projects, mirroring workplace scenarios.

Entrepreneurship I (ME112X0)

In this course, students evaluate the concepts of going into business for themselves and working for or operating a small business. They become acquainted with channel management, pricing, product/service management, and promotion. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students will be introduced to the Lean Canvas Business Model (LCBM) throughout the course. A performance based measurement will be used in this course to assess student learning. English language arts and social studies are reinforced.

Entrepreneurship II (ME126X0)

Prerequisite: ME112X0- Entrepreneurship I

In this course, students continue the development of a business idea and develop an understanding of pertinent decisions to be made for business positioning, financing, staffing, and profit planning. Students acquire in-depth understanding of business regulations, risks, management, and marketing and will develop a business plan. A performance based measurement will be used in this course to assess student learning. English language arts, mathematics, and social studies are reinforced.

Foods and Nutrition 1 (FN412X0)

This course examines the nutritional needs of the individual. Emphasis is placed on fundamentals of food production, kitchen and meal management, food groups and their preparation, and time and resource management. English language arts, mathematics, science, and social studies are reinforced. Work-based learning strategies appropriate for this course include service learning and job Shadowing. Apprenticeship and cooperative education are not available for this course. Family, Career and Community Leaders of America (FCCLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences

Foods and Nutrition II Enterprise (FN422X0)

Prerequisite: FN412X0 –Foods I

In this course, students experience the intersection of nutrition science and food preparation, while building skills for an expanding range of career opportunities. Emphasis is placed on health and social responsibility while improving the way people eat. Students learn how to manage food safety; plan and prepare meals for a variety of consumers and clients; and explore the food system and global cuisines. *For safety and sanitation reasons, enrollment should not exceed 20 in this course. English/language arts, social studies, mathematics, science, technology, interpersonal relationships are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning and job Shadowing. Family, Career and Community Leaders of America (FCCLA) competitive events, community service,

and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Microsoft Word and PowerPoint (BM10)

Students in the Microsoft Imagine Academy benefit from world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom environment. In the first part, students will learn to use the current version of Microsoft Word interface, commands, and features to create, enhance, customize, share and create complex documents, and publish them. In the second part, students will learn to use the current version of Microsoft PowerPoint interface, commands, and features to create, enhance, customize, and deliver presentations. Art and English language arts are reinforced.

Sustainable Agriculture Production I (AU21)

This course focuses on the increasingly complex world of producing enough food and fiber to meet the growing world demand and at the same time maintain ecological balance and conserve our natural resources. Students will explore implementing environmentally sound practices in agricultural production to satisfy the needs of a growing population for today and tomorrow. A breadth of topics including crop and animal production, natural resource management, agroforestry, food safety, and the farm-to-fork continuum will set the educational stage for this course. Leadership development and employability skills are integral to the course and are delivered through authentic experiences. English language arts, mathematics, and science are reinforced.

Sustainable Agriculture Production II

Prerequisite: Sustainable Agriculture Production I (AU21)

Sustainable Agriculture Production II further investigates food production through practice and application of principles and knowledge established in Sustainable Agriculture Production I. An emphasis on proven methods employed to sustain a growing population are woven into all facets of the course. Students gain knowledge of 21st century agriculture through further exploration of renewable energy, precision agriculture, biotechnology, and breeding programs. Students discover cultivation of bees, aquaponics, mushrooms, vermicomposting and commodities of their choice while applying food safety and industry standards for sustainable production. Students also acquire foundations of leadership, business, and marketing principles necessary for competitive sustainable agricultural companies, and individuals in the workforce are also reinforced in this course. Leadership development and employability skills are integral to the course and are delivered through authentic experiences. English language arts, mathematics, and science are reinforced.

Halifax Community College Course Descriptions

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