

# CLASS DESCRIPTIONS

## AG

Agricultural Education is comprised of a three circle model including instruction/lab, FFA, and SAE (Supervised Agricultural Experience) program. Agriculture Education is a comprehensive career/technical program designed to give students competencies in the areas of plant science, livestock production & nutrition, agricultural business, public relations, cold metals, woodworking, agronomy practices, food science, and leadership development. FFA contests are based on classroom topics, so it is highly recommended students take an active interest in the National FFA Organization.

### **Agriculture Education I**

Course Code: 01011

Grades: 9-12

1 credit – 2 semesters

This course is designed to give students a basic introduction to the entire agricultural world around us. Students will get several opportunities for hands-on activities. Knowledge and skills developed in this course are useful for all students later in life; whatever future plans and career they choose. The development of foundation leadership skills is an important part of this course. Topics covered include Leadership Development (FFA), woodworking, Ag Business, Agronomy, Plant Science, Animal Nutrition, Livestock Production, Food Science & Cold Metals.

**This is a required course for students planning on taking upper level Ag Ed courses**

### **Small Animal Care**

Course Code: 01066

Grades: 9-10

1<sup>st</sup> semester – ½ credit

This course is designed to teach students about the management of small animals, which may include small mammals, amphibians, reptiles, avian, dogs and cats. The students will understand the importance of responsible small animal ownership by explaining the domestication and use of small animals, the influence small animals and the small animal industry on society, and the hazards associated with working in the small animal industry. The student will evaluate current topics in animal rights and animal welfare, understanding the care and management requirements, discuss the habitat, housing and equipment needs for each, and describe and practice common methods of handling.

### **Natural/Environmental Resources**

Course Code: 01063

Grades: 9-10

2<sup>nd</sup> semester – ½ credit

This course provides an opportunity for students to increase awareness of the close ties among living organisms. Natural and environmental concerns with the interrelationships of living organisms and the world around us. Topics may include fundamentals of ecology, watershed management and wildlife conservation.

### **Agriculture Education II**

Course Code: 01012  
Grades: 10-12  
1 credit – 2 semesters  
**Prerequisite:** Ag I

This course is designed to build upon the lessons taught in Ag I. In this class, students will get to use a wider variety of tools and equipment in the lab. This course incorporates general class information to teach students about meat science, woodworking, welding, parliamentary procedure, environmental & natural resources, agricultural sales, livestock reproduction and an introduction to horticulture unit. The primary goal of this class is to expose students to hands-on experiences in the lab.

### **Community Development**

Course Code: 01993  
Grades: 11-12  
1<sup>st</sup> semester – ½ credit

**Prerequisite:** Preference would be given to students who have been in Ag I or Ag II

If you are looking for a hands-on class that encourages you to choose what you want to learn, this is the course for you! This course will help you understand the fundamentals of community development and needs. You will have the opportunity to study the community development process and select, plan, and implement a community development projects. Project-based, Inquiry-based and service learning are integral to the success of this course. Students will need to be motivated to partake in classroom discussions and activities while developing leadership, communication, and planning skills.

### **Ag Business**

Course Code: 01035  
Grades: 10-11  
2<sup>nd</sup> semester – ½ credit

**Prerequisite:** Ag I & Ag II (can be enrolled in Ag II and Ag Business in the same semester)

This course will teach students the operating techniques and business skills used in the modern food and fiber industry. This program builds student knowledge and skills needed to manage small and medium sized business in agriculture and allied industries. This class will be required to enroll in Co-op for the 2020-2021 school year.

### **Agricultural Processing – (offered for the 2022-2023 school year)**

Course Code: 01068  
Grades: 11-12  
2<sup>nd</sup> semester – ½ credit

**Prerequisite:** Ag I & Ag II

This course is designed to introduce students to the processing of agricultural products. The course will include the processing of food, fiber and material product processing for the global economy will be emphasized. Personal communication skills, human relation skills, leadership development skills and supervised agricultural experiences will be emphasized.

### **Ag Mechanics I – (offered for the 2022-2023 school year)**

Course Code: 01043

Grades: 11-12

1<sup>st</sup> semester – ½ credit

**Prerequisite:** Ag I & Ag II

This advanced course would expand students' knowledge of practical ag mechanics as well as problem solving skills. This course would cover woodworking, welding, plumbing, electricity, precision ag, and small engines.

### **Ag Mechanics II – (offered for the 2021-2022 school year)**

Course Code:

Grades: 11-12

1 credit – 2 semesters

**Prerequisite:** Ag I & Ag II

This advanced course would expand students' knowledge of practical ag mechanics as well as problem solving skills. This course would cover woodworking, welding, plumbing, electricity, precision ag, and small engines.

### **Agriscience I**

Course Code: 01025

Grades: 11-12

1 credit – 2 semesters

**Prerequisites:** Ag I & Ag II

This course is designed to expand student's knowledge of the agriscience industry. Students would partake in hands on, inquiry based lessons, in food science, animal science, agronomy, and ag processing. This is an upper level course that dives into the science of how and why things happen.

### **Horticulture**

Course Code: 01053

Grades: 11-12

1 credit – 2 semesters

**\*\*No longer considered a science credit**

**Prerequisites:** Preference would be given to students who have been in Ag I or Ag II

Here is a course in which students broaden their horizon in horticulture, which is one of the fastest growing segments of American agriculture today. Students will explore the world of plant science through units in botany, nursery production, plant propagation, floriculture, landscape management, and integrated pest management. As students, they would be in charge of caring for our school greenhouse. Students will also design their own research project.

### **Cooperative Work Experience (Co-op)**

Course Code: 01999

Grade: 12

1 credit – 2 semesters

**Prerequisites:** Ag I, Ag II and Ag Business

This course would follow the same protocol as the current Summer SAE Program. Students would earn credit during the school day for working a job within the community, which would have to be approved by the student, the teacher, the parent(s)/guardian(s), and the business owner. This could be a paid or non-paid jobs. Students would need to complete 150 hours with the other time spent in

the classroom developing their record books and learning about Ag Business. The placement of this job must be outside their family business.

## **ART**

### **Art I: Basic Drawing Techniques**

Course Code: 02025

Grades: 10-12

1st semester – ½ credit

Still life, perspective, life drawing, texture, line, weekly sketch due homework assignment.

### **Art II: Painting**

Course Code: 02026

Grades: 10-12

2nd semester – ½ credit

Techniques in paint, tempura, acrylic, watercolor, pastels, chalk, oil, printmaking, sketch due weekly homework assignment.

### **Art III: Color Expressions**

Course Code: 02022

Grades: 11-12

1 credit – 2 semesters

**Prerequisites:** Art I and Art II

Painting techniques, watercolor/ink, collage, clay, three dimensional art.

Study of various artists from different periods in history, studio art, using art techniques of artist.

## **BUSINESS EDUCATION**

### **Accounting I**

Course Code: 14010

Grades: 9-12

1<sup>st</sup> semester – ½ credit

This course will introduce students to accounting principles through a combination of subject matter and practice experiences. The content concerns the principles of accounting terminology, concepts, and procedures. Students will receive the basic knowledge necessary to keep records for a sole proprietorship service business and that of a partnership.

### **Accounting II**

Course Code: 14011

Grades: 9-12

2<sup>nd</sup> semester – ½ credit

**Prerequisite:** Accounting I

This course provides students with a detailed accounting knowledge of partnership and corporate accounting. Students will be using an automated accounting software for all fiscal period work.

### **Accounting III**

Course Code: 14012

Grades: 10-12

1<sup>st</sup> semester – ½ credit

**Prerequisites:** Accounting I and II

This course is designed to help the student acquire a more thorough knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Students will develop skills in analyzing and interpreting information common to partnerships and corporate forms of organization, preparing formal statements and supporting schedules, and using inventory and budgetary control systems. Computer applications will be integrated in each appropriate instructional unit.

### **Accounting IV**

Course Code: 14013

Grades: 10-12

2<sup>nd</sup> semester – ½ credit

**Prerequisites:** Accounting I, II, and III

With the background of the accounting cycle and the different business structures, students will analyze and interpret financial information. Studies will include international accounting principles and accounting for not-for-profit organizations. Emphasis will be placed on decision-making and accounting ethics in preparation for entry-level accounting positions.

### **Computer Applications**

Course Code:

Grade: 9

¼ credit – 9 week course

Keyboarding, Internet Skills and Office 365 email

Textbook - Century 21 Keyboarding and Information Processing

The class will practice to improve speed, skill building, computer operations and the Microsoft Word application. Students will learn to format business letters, memorandums, tables, and reports. The students may complete a report based on the Internet research and use the MLA format style. We will also practice using Web based email, sending attachments, and Google search techniques.

### **Business Fundamentals** – (paired with Entrepreneurship)

Course Code: 14230

Grades: 9-12

1<sup>st</sup> semester – ½ credit

Textbook – Intro to Business (Ed: 7e) by Dlabay, Burrow, Kleindl

This course is designed to help students gain an understanding of the economic environment in which we all live. An introductory study of business ownership and organization; how business meets consumer needs and wants, economic principles, desirable business practices, and awareness of career opportunities in the field of business. If available through the North Dakota Securities Department, we will play the Stock Market game for 10 weeks.

### **Entrepreneurship** – (paired with Business Fundamentals)

Course Code: 14111

Grades: 9-12

2<sup>nd</sup> semester – ½ credit

Textbook – Intro to Business (Ed: 7e) by Dlabay, Burrow, Kleindl

This course is designed to help extend students' knowledge of investment opportunities in the stock market, real estate, and business. Students will learn about personal business skills including consumer buying, money management, credit, banking, saving and insurance. Emphasis is placed on technology and financial management as well as exposure to the opportunities in entrepreneurial business. Time will also be spent completing a simulation where students will use budgets, checking accounts as well as record keeping. If available through the North Dakota Securities Department, we will play the Stock Market game for 10 weeks. We may also use EverFi for Financial Literacy if it is provided by the First State Bank.

### **Word Processing**

Course Code: 14096

Grades: 9-12

1<sup>st</sup> semester – ½ credit

Word and PowerPoint Applications

Textbook – Microsoft Office 2016 for the Mac

This course is designed to help students improve productivity with more efficient, timesaving ways of producing documents using Word and PowerPoint. The course combines instruction and practice in document composition, formatting, proofreading, and editing skills. There will also be time spent on advanced Word features such as mail merge, footnotes and styles. The students will spend approximately 12 weeks using the Microsoft Word program and 4 weeks learning Microsoft PowerPoint.

### **Spreadsheets**

Course Code: 14025

Grades: 9-12

2<sup>nd</sup> semester – ½ credit

Excel Spreadsheets and Integrated Projects

Textbooks – Microsoft Office 2016 for the Mac, Integrated Business Projects

The students will spend approximately 10 weeks learning to use the spreadsheet program, Microsoft Excel. This course will develop skills in designing worksheets, writing formulas, analyzing, charting and managing data. The remainder of the semester will be dedicated to integrated projects using Excel, PowerPoint and Word.

### **Multimedia 1**

Course Code: 14099

Grades: 10-12

1<sup>st</sup> semester – ½ credit

Adobe Photoshop (Beginners), Lightroom, iPhoto, iMovie, Photos, Garageband, Adobe Animate

Textbooks - Adobe Classroom in a Book Series, Apps from the App Store, YouTube Videos

The course will begin with basic image editing and manipulation using a combination of the Photos App and Adobe Photoshop and Lightroom. A variety of projects will be completed once the interfaces have been studied. The course will also involve working with a combination of images and video for movie creation. We will use the iMovie and the Garageband programs and upload projects to the

Internet. Students will also use video cameras (iPads and smart phones) to make their own movies. During the 2<sup>nd</sup> part of the semester, we will learn the Adobe Animate program.

## **Multimedia 2**

Course Code: 14099

Grades: 10-12

2<sup>nd</sup> semester – ½ credit

Adobe Photoshop (Advanced), Adobe Bridge, Adobe Illustrator, Adobe InDesign

Textbooks - Adobe Classroom in a Book Series, InDesign by Terry Rydberg, and Apps from the App Store

The course will cover popular Adobe software such as Illustrator, Photoshop and Bridge. We will learn more advanced image editing and manipulation than completed in the 1<sup>st</sup> semester course. A variety of projects will be completed once the interfaces have been studied. The course will also involve working with Adobe InDesign for projects involving layout and design. If the Creative Writing class is available, we will create a children's book for printing and distributing. As time allows, other Adobe products would be introduced.

## **Personal Finance 1**

Course Code: 14095

Grades: 10-12

1<sup>st</sup> semester – ½ credit

Textbook – Managing Your Personal Finances by Joan S. Ryan

Excel Spreadsheets

The course is designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real world topics covered will include career decisions, money management, financial security and investing. Students will design personal and household budgets; simulate use of checking and saving accounts; demonstrate knowledge of finance; and evaluate and understand taxes. This course will provide a foundational understanding for making informed personal financial decisions. If available through the North Dakota Securities Department, we will play the Stock Market game for 10 weeks.

## **Personal Finance 2**

Course Code: 14095

Grades: 10-12

2<sup>nd</sup> semester – ½ credit

Textbook – Managing Your Personal Finances by Joan S. Ryan

Excel Spreadsheets

The course is designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real world topics covered will include credit management, resource management, risk management and consumer rights and responsibilities. Students will study credit cards and scores, housing and auto choices as well as insurance. This course will provide a foundational understanding for making informed personal financial decisions. If available through the North Dakota Securities Department, we will play the Stock Market game for 10 weeks. We may also use EverFi for Financial Literacy if it is provided by the First State Bank.

## **ENGLISH**

**English 9 Literature:** Required for all Freshmen

Course Code:

Grade: 9

1 credit – 2 semesters

An introduction to the various aspects and styles of literature. A general study of the basic grammar elements of the English language.

**English 10 Literature:** Required for all Sophomores

Course Code:

Grade: 10

1 credit – 2 semesters

A general study of fiction and nonfiction works. A review of the basic grammar elements of the English language with an emphasis on using those elements in a variety of introductory writing activities. i.e. Correctly punctuated sentences, paragraphs, and short essays.

This course is NOT intended to be a repeat of English 9; however, the expertise of the students in each class as a whole will determine how much repetition, if any, is necessary before the writing experiences are emphasized.

**Prerequisite - Credit earned in English 9**

**English 11 (American Literature):** Required for all Juniors unless taking General English

Course Code:

Grade: 11

1 credit – 2 semesters

Junior English is the study of American Literature, combined with the study of vocabulary, grammar and usage; composition is integrated with the literature study all year to increase students' writing skills. The literature is chronologically studied and follows the evolution of the American Dream. Students will also write quarterly book reports over independently read novels. Grammar and usage instruction is personalized to the student through IXL and teacher instruction.

**Prerequisite - Credit earned in English 10**

**English 12:** Required for all Seniors unless taking Dual Credit or General English

Course Code:

Grade: 12

1 credit – 2 semesters

Senior English is a balance of literature and writing, combined with a study of vocabulary and grammar and usage. Grammar instruction is personalized in the first semester through the use of IXL, while second semester is personalized mainly through writing workshops. Each student is required to write a 20 chapter Senior Memory Book over the year as well as a research paper and additional essays and paragraphs. Students will also write quarterly book reports over independently read novels. Seniors English is also a chronological study of a sampling of British Literature, which includes poetry, short stories, and novels.

**Prerequisite - Credit earned in English 11**

## **English Essentials**

Course Code:

Grades: 11-12

1 credit – 2 semesters

General English is a personalized approach to gaining fundamental skills of English. Emphasis is placed on reading comprehension and fluency as well as basic writing skills. Career and Research Writing assignments will be personalized to students' future goals.

**\*\*Need teacher recommendation in order to enroll**

## **Dual Credit – College English 110**

Grades: 12

3 Semester Hours/College Credits

1<sup>st</sup> Semester Course - ½ High School Credit

Credits issued by Valley City State University – taught by Mrs. Schmit during the school day

An introduction to traditional English grammar as the foundation of modern prose style, leading to the understanding of the concepts of classical Aristotelian deduction and generative rhetoric. This approach teaches the logical structure of the sentence as well as its editorial elements, such as usage, punctuation, and spelling. The structure of the sentence is used as a model for constructing paragraphs and later multi-paragraph essays in the various modes of organizational patterns of written expression.

**Prerequisite:** Required cumulative GPA of 3.0 as well as an ACT English sub-score of 18 or above.

## **Dual Credit – College English 120**

Grades: 12

3 Semester Hours/College Credits

2<sup>nd</sup> Semester Course - ½ High School Credit

Credits issued by Valley City State University – taught by Mrs. Schmit during the school day

A combination of print and electronic library research skills, taught in the University Library with the cooperation of Library personnel and leading to the concurrent writing of papers based on that research; also an introduction to the social and cultural purposes of language and social and regional language variation through the study of fiction, including an introduction to literary analysis of the short story and the novel. This course expands on ENGL 110, offering advanced practice in college-level writing from sources and in applying rhetorical strategies.

**Prerequisite:** Successful completion of ENGL 110 with a C or above

## **FAMILY AND CONSUMER SCIENCE (FACS)**

### **FACS Pathways**

#### **Human Services and Careers**

**Freshman:** Nutrition and Food Prep 1 and Clothing and Textiles 1

**Sophomore:** Child Development 1 and Housing and Living Environments

**Junior:** Cooperative Work Experience

**Senior:** Cooperative Work Experience and Independent Living

### **Hospitality and Tourism Careers**

**Freshman:** Nutrition and Food Prep 1 and Cultures and Cuisines

**Sophomore:** Food Science and Technology

**Junior:** Cooperative Work Experience

**Senior:** Coffee Shop and Independent Living

### **Visual Arts and Design Careers**

**Freshman:** Nutrition and Food Prep 1 and Clothing and Textiles 1

**Sophomore:** Fashion and Textile Trends and Housing and Living Environments

**Junior:** Cooperative Work Experience

**Senior:** Independent Living and Cooperative Work Experience

### **Education and Training Careers**

**Freshman:** Nutrition and Food Prep 1 and Clothing and Textiles 1

**Sophomore:** Child Development 1 and Child Development 2

**Junior:** Cooperative Work Experience

**Senior:** Cooperative Work Experience and Independent Living

### **Child Development 1**

Course Code: 09026

Grades: 10-12

1<sup>st</sup> semester - ½ credit

Child Development is an in-depth class that focuses on reproduction, prenatal development, and the newborn. Students will demonstrate ways of providing an environment for the optimum growth and development of a child. Current issues relating to children and families will be addressed. Sources of support and assistance will be explored. The “Baby Think It Over” and “Empathy Belly” projects are integral learning experiences of this course. This course falls within the Human Services and Careers pathway.

### **Child Development 2**

Course Code: 09026

Grades: 10-12

2<sup>nd</sup> semester - ½ credit

Child Development two is an in-depth class that focuses on the development of toddlers to adolescents. This course is designed to go over the physical, mental, social and emotional aspects of each major developmental stage from one to eighteen years of life. We will be working with the elementary closely within this class. Students will be using observations and theoretical analysis to see the changes within these life stages. This course is to help prepare students for a career dealing with children. This course falls within the Human Services and Careers pathway.

**Prerequisite:** Child Development 1

### **Clothing and Textiles 1**

Course Code: 09027

Grades: 9-12

1<sup>st</sup> semester - ½ credit

Offered every year

This course is meant to help students learn about the basics of sewing and fashion design. Students will not only learn to sew but also how to create wall tapestries, functional décor and proper care of all textile items. This is a project-based class with many life applications that will be applied throughout class. This course falls within the Visual Arts and Design and Hospitality pathways.

**Housing and Living Environments – (offered for the 2021-2022 school year)**

Course Code: 09133

Grades: 9-12

2<sup>nd</sup> semester - ½ credit

Throughout this course we will take an in-depth look at design principals. Students will use principals learned to create design items, and spaces for a client. Students will also gain insight into industrial builds and building for homes from a current contractor. Students will be completing many hands-on activities and design projects throughout this semester class. This course falls within the Hospitality and Visual Arts and Design pathways.

**Prerequisite:** Clothing and Textiles 1

**Fashions & Textile Trends – (offered for the 2022-2023 school year)**

Course Code: 09030

Grades: 9-12

2<sup>nd</sup> semester - ½ credit

Fashions & Clothing will explore the history of clothing, cultures, and customs, recognize the contributions of fashion designers (past & present), and provides an in-depth look at the fashion industry. Students will learn about fabrics, how to buy and care for clothing, and evaluate fashion-related careers. Students will utilize basic sewing skills and creativity hands on design and construction projects. This course falls within the Visual Arts and Design pathway.

**Prerequisite:** Clothing and Textiles 1

**Nutrition and Food Prep 1**

Course Code: 09131

Grades: 9-12

1<sup>st</sup> semester - ½ credit

Offered every year

Introduction to foods is a comprehensive course designed to give students experience in the main areas of cooking. The course also includes a more in-depth study of the influences of nutrition on health and diseases and food preparation. Foodie Friday and cooking competitions such as *Chopped* and *Food Truck Face Off* are integrated. Labs, hands on activities and projects are designed to enhance learning. All those who plan on living a healthy lifestyle and living independently would be a great fit for this course. If you are interested in a Culinary or Hospitality pathway this is the class to start with.

**Prerequisite:** NA

**Culture and Cuisines – (offered for the 2022-2023 school year)**

Course Code: 09136

Grades: 9-12

2<sup>nd</sup> semester - ½ credit

Throughout this course students will be able to travel virtually around the world by the food items that they will be cooking. They will also learn different techniques for cooking foods that are not common within the United States. Lastly, students will have the opportunity to learn about and research their ancestry throughout this course. This course is designed to increase students' pallets and cultural awareness. This course is a part of the Culinary and Hospitality Pathways.

**Prerequisite:** Nutrition and Food Prep 1

### **Food Science and Technology – (offered for the 2021-2022 school year)**

Course Code: 09138

Grades: 9-12

2<sup>nd</sup> semester - ½ credit

In this course we will be getting to the root of food creation. This course will have many science experiments within this course. We will be using the scientific method to conduct these experiments. This project-based class will include the creation of soufflés and dip-n-dots. Students will be learning through exploration, problem solving and relying on previously learned knowledge of food. This course is meant to prepare students for a culinary based career through the Culinary Pathway.

**Prerequisite:** Nutrition and Food Prep 1

### **Coffee Shop**

Course Code: 09028

Grade: 12

1 credit - 2 semesters

0 Hour Class – every day 7:45 - 8:25 AM

Offered every year

The coffee shop will be run as a profitable business. Students will be expected to advertise, promote, pricing and manage jobs within a coffee shop so that the business is profitable. Students will use proceeds to fund a trip to Minneapolis. While in Minneapolis they would dine at a 4-star restaurant and attend a class at a culinary school. Students will also take a food tour of Minneapolis including foods found worldwide. This trip will require one overnight stay in Minneapolis. This course falls within the Hospitality and Culinary Pathways.

**Prerequisites:** Nutrition and Food Prep 1, Food Science and Technology, and Culture and Cuisines

### **Independent Living – (offered for the 2021-2022 school year)**

Course Code: 09025

Grades: 11-12

Same class is offered both first semester and second of the school year 2021-2022 – ½ credit

In this course we will go over the following: Taxes, renting/buying apartments and homes, owning a pet, meal planning, scholarships, resumes, cover letters, interviews, money management, hobbies and so much more! This course is recommended for all individuals to help create a smoother transition from high school into adult living. This course falls under the Hospitality and Tourism and Human Services and Careers pathways.

**Prerequisite:** one additional FACS class from any pathway

### **Cooperative Work Experience**

Course Code: 09299

Grades: 11-12

1 credit – 2 semesters

Offered every year

This class requires that you have taken at least ONE FACS class and have a cumulative GPA of 3.0. This course requires student to spend at least 2 hours a week with your work placement. Work placements will be within the Lisbon Elementary School. The other days students will participate in online class studies. These studies can be completed at any time, allowing students to go down to the elementary school at the convenience of their schedules and cooperating elementary teacher(s). Students will be expected to participate in online group discussions, lesson plan and lead at least **ONE** class lesson.

## **GENERAL ELECTIVE**

### **Prose and Podcasts:** Elective

Course Code:

Grades: 11-12

1<sup>st</sup> semester – ½ credit

This class will involve independent reading with students choosing their own books, listening to podcasts, and watching Ted Talks. Students will have a chance to pick from several written or project type assessments for each category above as we go through the semester.

### **Basic Speech:** Elective

Course Code:

Grades: 11-12

2<sup>nd</sup> semester – ½ credit

This course is designed to help students logically organize their thoughts and express those thoughts effectively in spoken form by presenting several different types of speeches.

**Prerequisite:** None

Recommendation - A “C” average in high school English classes

### **Mass Media:** Elective (does **NOT** count as an English credit)

Course Code:

Grade: 9-12

1<sup>st</sup> semester – ½ credit

In Mass Media, students will be actively engaged with various forms of media in order to understand the processes and theories associated with Mass Media. Through an examination of how Mass Media such as Advertising, Television, Film, and Internet is produced, delivered, and disseminated by the general population, students will understand and practice media literacy on a daily basis. Other class topics include violence in the media, news production, advertising, and gender roles in the media.

**Prerequisite:** None

**Creative Writing:** Elective (does **NOT** count as an English credit)

Course Code:

Grade: 9-12

2<sup>nd</sup> semester – ½ credit

Creative Writing is designed for students to create original forms of descriptive writing, drama, and fiction. Students will use various forms of technology in creative and publishing their works.

**Prerequisite:** None

## **MATH**

### **Pre-Algebra**

Course Code: 11030

Grade: 9

1 Credit – 2 Semesters

Pre-Algebra increases students' foundational math skills and prepares them for Algebra I by covering a variety of topics, including variables, expressions, and integers; solving equations; multi-step equations and inequalities; factors, fractions, and exponents; rational numbers and equations; ratios, proportions, and probability; percents; linear functions; real numbers and right triangles; measurements and volume; and polynomials and nonlinear functions.

**Prerequisite:** Recommendation by the Principal or previous math instructor.

Recommendation: Should only be taken by students who struggle with Algebraic concepts.

### **Algebra I**

Course Code: 11031

Grades: 8-12

1 Credit – 2 Semesters

Algebra I topics include: foundations for Algebra, solving equations, solving inequalities, an introduction to functions, linear functions, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic functions and equations, and radical expressions and equations.

**Prerequisite:** None but it is assumed students have a general knowledge of arithmetic.

Recommendations: Good study skills are very important.

### **Geometry**

Course Code: 11120

Grades: 9-12

1 Credit – 2 Semesters

Geometry will include the study of geometric structure, congruence, similarity, and measurement. It will also include reasoning and proof.

**Prerequisites:** Algebra I

### **Advanced Algebra**

Course Code: 11032

Grades: 10-12

1 Credit – 2 Semesters

Advanced Algebra topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; operations with rational and irrational exponents; and an introduction to trigonometric concepts. The course may introduce topics in discrete math, elementary probability and statistics; matrices and determinants; and sequences and series.

**Prerequisites:** Algebra I

**Recommendation:** A “C” or better in Algebra I

### **College Algebra**

Course Code: 11034

Grades: 11-12

3 Semester Hours/College Credits – credit offered for 2<sup>nd</sup> semester

1<sup>st</sup> Semester Course - ½ High School Credit

Credits issued by Valley City State University – taught by Mrs. Vesel during the school day

College Algebra is designed to build on students’ prior knowledge to dive further into mathematical topics. Topics covered in this course include Algebra essentials (real numbers, exponents, scientific notation, radicals and rational exponents, polynomials, factoring polynomials, and rational expressions), equations and inequalities, functions, linear functions, polynomial and rational functions, exponential and logarithmic functions, systems of equations and inequalities, analytic geometry and conic sections, sequences, probability, and counting theory, and trigonometric functions. This course is offered as a year-long Dual Credit course with three collegiate credits offered through Valley City State University, issued in the spring semester.

**Prerequisites:** Advanced Algebra

**Recommendation:** A “C” or better in Advanced Algebra

### **Calculus**

Course Code: 11061

Grade: 12

4 Semester Hours/College Credits – credit offered for 2<sup>nd</sup> semester

1<sup>st</sup> Semester Course - ½ High School Credit

Credits issued by Valley City State University – taught by Mrs. Vesel during the school day

Calculus includes the study of limits and continuity, differentiation (including definition, basic derivative rules, composite, implicit, and inverse functions), contextual applications of differentiation, applying derivatives to analyze functions, integration and accumulation of change, differential equations, and applications of integration. Students should have a strong foundational knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and algebra). This course is offered as a year-long Dual Credit course with four collegiate credits offered

through Valley City State University, issued in the spring semester.

**Prerequisites:** College Algebra

Recommendation: A "C" or better in all previous math courses

### **Consumer Math**

Course Code: 11145

Grades: 11-12

1 Credit – 2 Semesters

Consumer Math is an attempt to expose individuals to the uses of mathematical skills in a variety of consumer situations, including income tax, personal finance and business math.

## **MUSIC**

### **Choir**

Course Code:

Grades: 9-12

1 Credit – 2 Semesters

Students who are in choir will have the opportunity to audition for the school swing choir if they so choose. The concert choir will perform at three concerts and one festival throughout the school year.

Only members of the choir will be allowed to audition for the swing choir and the school musical.

### **Band**

Course Code:

Grades: 9-12

1 Credit – 2 Semesters

Students who participate in band will perform at three concerts throughout the school year. The band will also march during homecoming and for the Memorial Day parade.

Only band members will be chosen by the director to perform in the jazz band.

## **PHYSICAL EDUCATION**

### **General P.E.: Required**

Course Code:

Grade: 9

½ Credit – 1 semester

This course is designed specifically to teach and develop fundamental skills used in various exercises that deal with flexibility, agility, coordination, strength and endurance. The course also teaches the importance of developing and maintaining a physically active lifestyle and proper nutrition. Students will be provided numerous opportunities to develop and enhance teamwork skills. Area's covered: fitness testing, rhythm and dance, jump rope, body awareness and flexibility, cooperative activities, and sport specific activities such as volleyball, basketball, flag football, softball, badminton, and more.

**Prerequisite:** none

### **General P.E. 200:**

Grade: 10

½ Credit

2<sup>nd</sup> semester course

This course is designed to teach individual, dual, and team activities. This course again stresses the importance of developing and maintaining a physically active lifestyle through regular exercise and proper nutrition. Areas covered: dance, walk/run, tennis, frisbee activities, yoga, badminton, pickleball, flag football, volleyball, basketball, softball, and more.

**Prerequisite:** General P.E. 100

This is an elective class which receives a letter grade.

### **Lifetime Leisure and Sport**

Course Code:

Grades: 11-12

Offered 1<sup>st</sup> and 2<sup>nd</sup> semester - 1/2 credit each semester

This is a course which stresses the importance of developing and maintaining a physically active lifestyle through various lifetime leisure activities. Area's covered: yoga, frisbee golf, yard games, hiking/walking, weight training, fitness, and more.

**Prerequisites:** General P.E. 100

This is an elective class which receives a letter grade.

### **Weight Training**

Course Code:

Grades: 11-12

Offered 1<sup>st</sup> and 2<sup>nd</sup> semester (if enough interest) - 1/2 credit each semester

This course is designed specifically to help students learn proper weight lifting techniques. Student will learn a variety of free weight lifts, plyometrics, agility and speed training drills as well as cardio-conditioning. The course teaches the importance of a healthy diet, proper hydration, and sleeping patterns and their effects on performance. Students are required to design and implement their own workout template by the end of the semester. Students will also create a customized workout plan for another individual.

**This is a graded course.**

### **Health I and II:**

Course Code:

Grades: 11-12

Students can take this course 1<sup>st</sup> semester, 2<sup>nd</sup> semester or all year long

Students follow the HealthSmart curriculum, which helps develop skills necessary for a healthy lifestyle. Topics may include, but are not limited to, mental and emotional health; personal and sexual health; tobacco, alcohol, and drug prevention; violence and injury prevention, nutrition and physical activity, and the health implications of technology. This is a discussion based class and participation is required.

**This is a graded course.**

## **SCIENCE**

### **Biology: Required**

Course Code:

Grade: 9

1 Credit – 2 Semesters

This life science course focuses on the function, structure and development of plants and animals. Genetics, ecology and evolution are also included. The course includes many hands on projects and labs designed to get the student involved with the life around them.

### **Physical Science: Required**

Course Code:

Grade: 10

1 Credit – 2 Semesters

An introductory study of chemistry and physics with each taking up approximately one semester. Students will learn how to use laboratory equipment, exercise proper laboratory techniques and exhibit laboratory safety.

### **Real World Science: Elective**

Course Code:

Grades: 11-12

1 credit - 2 Semesters

This course offers an overview of many scientific disciplines, including anatomy, microbiology, forensics and chemistry. These topics will be explored through experiments and hands-on activities. This is a low-math course with an emphasis on learning fundamental science vocabulary and root-words.

### **Human Anatomy: Elective**

Course Code:

Grades: 11-12

1 credit - 2 Semesters

This course is intended for those students showing a special interest in the biological sciences and health and is beneficial for those planning on a health related career. Emphasis is placed on learning the intricate anatomy and function of the human body. Hands on lab activities include dissection of a cat and other animal structures as well as labs pertaining to the human body. This is a college level course and will be taught as such.

**Recommendation:** B Average in Science Classes

### **Chemistry: Elective**

Course Code:

Grades: 11-12

1 Credit - 2 Semesters

This course deals with the structure and composition of materials and the changes in composition of these materials. Topics included are structure of the atom and periodic law; chemical formulas and equations; properties of solids, liquids, and gases; solutions and suspensions including acids, bases, salts, chemical reactions, families of elements and their compounds. Chemistry is often required for students pursuing medical careers or wanting to attend a 4 year University.

**Prerequisites:** Physical Science, Biology, and Algebra I; earn a C in the Chemistry unit of sophomore Physical Science

**Physics:**

Course Code:

Grade: 12

1 Credit – 2 Semesters

Physics covers motion and acceleration, forces and vectors, work and machines, states of matter, wave motion, and electricity. An emphasis is placed on mathematical application and experimentation. Physics also covers coding as it relates to robots and machines using Spheros, LEGO EV3 units, and the SMARTLab.

**Prerequisite:** Advanced Algebra, earn a B in the Physics unit of sophomore Physical Science, and pass all previous science courses

**Advanced Biology:**

Course Code:

Grades: 11-12

1 Credit – 2 Semesters

Available as College Dual Credit Course

This is a dual credit college level course through NDSCS. This course is intended for students showing increased interest in the biological sciences. The course is lecture based with simple labs scattered throughout and because it is a college level course, the course is more rigorous than most high school courses with a large emphasis on reading, note taking and understanding of simple biological principles at a deeper level. Concepts are based on the evolutionary basis of biology and ideas include ecology, genetics, cellular biology, chemistry of biology and zoology.

**Prerequisites:** Biology, B average in all science courses taken previously and a strong understanding of simple biology concepts taught in general biology course.

## **SOCIAL STUDIES**

**World History: Required**

Course Code:

Grade: 10

1 Credit – 2 Semesters

This course is a comprehensive study of the world from The Dark Ages until the present day. Students will be exposed to differing social and political structures from cultures around the world. The course will cover major revolutions and events that have shaped our modern world.

**United States History: Required**

Course Code:

Grade: 11

1 Credit – 2 Semesters

This course will provide a general survey of United States history from the Post-Civil War era through the contemporary world. Students will become familiar with the general shape of America during these periods, as well as major political, social, economic, cultural, and intellectual ideas throughout the year. This course will also provide students with opportunities to develop and explore their own ideas as they relate to American history, as well as to think and write critically and persuasively.

**Economics: Required**

Course Code:

Grade: 12

1<sup>st</sup> Semester – ½ Credit

This course will provide a general survey of economics and ways in which economic decisions affects our lives everyday. Students will learn basic economic principles as they relate to supply and demand, prices, and market structures. Students will become familiar with basic economic terms and principles and will discover that the world is full of economic questions. Students will also learn to think appreciate an economic way of thinking which will allow them to leave the classroom a more educated and successful consumer.

**American Government: Required**

Course Code:

Grade: 12

2<sup>nd</sup> Semester – ½ Credit

This course will provide a general survey of the American government and its processes. Students will become familiar with the basic functions, structures, procedures, and problems of federal, state, and local governments. This course will provide students with opportunities to understand recurring principles, practices, and patterns of politics. Having learned how politics affect their lives every day, students can become informed participants at the local and national level.

**North Dakota Studies: Elective**

Course Code:

Grades: 11-12

1<sup>st</sup> Semester – ½ Credit

This course will provide a general study of North Dakota in an effort to promote the teaching of citizenship to North Dakota students. Students will become familiar with several topics unique to North Dakota over the length of the course, which is designed to be a comprehensive discussion of North Dakota's geography, agriculture, history, government, and current issues.

**World Geography: Elective**

Course Code:

Grades: 11-12

2<sup>nd</sup> Semester – ½ Credit

This course is a general study of World Geography. The major areas of study will be Eastern Europe, The Middle East, and Africa. The course will study physical landscape of places, and political boundaries. The course will also cover the topic of human geography, and history of the areas in which we study. Students will study the different government types and religions that cover our world.

### **Psychology: Elective**

Course Code:

Grades: 11-12

Students can take this course 1<sup>st</sup> semester, 2<sup>nd</sup> semester or all year long

This course will provide an introduction to the science of the mind and the study of behavior. The course will also offer students the opportunity to study how we perceive, learn, remember, solve problems, communicate, feel, and relate to other people. Students will also attempt to understand, measure, and explain the nature of intelligence, motivation, and personality.

### **Big History Project: Elective**

Course Code:

Grades: 11-12

1st/2nd Semester – 1 Credit

Big History Project is a web based interdisciplinary course that follows the history of everything through 13.8 billion years of history. This course attempts to string together history, and science to create a coherent story of the events in history that have brought us to now. This course works to refine skills in the areas of reading, writing, critical thinking, debate, and more. This is not a course that can be joined at semester due to the linear building nature of the course.

**Requirements:** Must take 1st semester to take 2nd semester.

## **SPANISH**

### **Spanish I**

Course Code:

Grades: 9-12 (In addition, 0 hour Spanish I can be taken from 7:45-8:25 am)

1 Credit – 2 Semesters

Introduces the student to the language by means of listening to the spoken language, by participating in oral and written exercises, by learning basic grammatical constructions, and by conversing on an elementary level.

### **Spanish II**

Course Code:

Grades: 10-12

1 Credit – 2 Semesters

Review of the first year basic skills plus an introduction to additional grammar and idioms. Increased vocabulary study and emphasis on conversational development.

**Prerequisite:** Spanish I

**Recommendations:** At least a “C” average in Spanish I

### **Spanish III**

Course Code:

Grade: 11-12

1 Credit – 2 Semesters

Reading in Spanish and Spanish-American literature and composition, as well as more advanced conversation, are emphasized.

**Prerequisites:** Spanish I and II

**Recommendations:** At least a “C” average in Spanish I and II

### **STUDY HALL**

A student chooses to register for a study hall. Study halls are not forced upon students. Consequently, it is the duty of all study hall teachers to insure that the study hall is a quiet and constructive place to work.

Study halls are provided for students as a place for completion of assigned homework, study of current work, and/or review of completed work.

### **INFORMATION TECHNOLOGY**

#### **Computer Hardware and Operating Systems (A+)**

Course Code:

Grades: 10-12

1 credit - 2 semesters

An introductory level course that focuses on essential hardware and operating system competencies for an entry-level PC service technician. Students will demonstrate basic knowledge of installing, configuring, upgrading, troubleshooting, and repairing microcomputer systems and operating systems. Work-based strategies appropriate for this course. Computer Hardware related careers are explored and students are provided with opportunities to increase their communication, teamwork, and critical thinking skills. Students completing the full year program will be prepared for computer industry certification, such as CompTia’s Strata exam, CompTia’s A+ certification exam or IC3 certification. (Possible curriculum: ExplorNet, HP/Cisco Sponsored IT Essentials Part 1, Aries, Computer Prep, Element K, etc.)

### **HEALTH CARE**

#### **Nurse Assistant**

Course Code: 07032

Grades: 10-12

Same class is offered both first semester and second. Do not sign up for course all year long.

1 semester – ½ credit

The Nursing Assistant Training program offers classroom instruction and clinical practice to those preparing for employment as a certified nursing assistant in a skilled nursing facility, acute care, or home health care. This program includes supervised practical training and clinical practice as

required by the North Dakota Board of Nursing. A certificate is issued upon completion of the class. Students also can take the state CNA board exam to acquire state certification.