

2009 – 2010

NORTH FREMONT

COURSE DESCRIPTIONS

The following pages contain the course descriptions for courses offered at North Fremont for students in grades 9-12. The actual teaching of each course will depend upon the availability of qualified teachers and will also depend upon sufficient student enrollment.

Some courses have a **prerequisite**. This means that a student must complete certain courses before enrolling in more advanced courses. For example, Ag Welding is a **prerequisite** to Ag Fabrications, as it would be extremely difficult for a student to succeed in Ag Fabrications without first successfully completing Ag Welding. Please read the course descriptions carefully before selecting your classes.

AGRICULTURE DEPARTMENT

Department Chair: Thomas Jacobsen

<i>Course Name:</i>	Vo Ag Industries	<i>Prerequisite:</i>	None
<i>Course Number:</i>	VOAG101	<i>Grades Accepted:</i>	9 – 10

Course Description:

This course is designed to introduce students to the following areas of agriculture: FFA Leadership Skills, Soil Science, Plant Science, Animal Science, Agricultural Mechanics, and Basic Construction.

<i>Course Name:</i>	Vo Ag Mechanics	<i>Prerequisite:</i>	Vo Ag Industries
<i>Course Number:</i>	VOAG102	<i>Grades Accepted:</i>	10 – 12

Course Description:

This course is designed to familiarize students with the basic skills in the mechanical areas of metalworking, electricity, plumbing, small engine troubleshooting/maintenance, and welding. Students will be required to provide safety glasses, coveralls, pliers, and a tape measure.

<i>Course Name:</i>	Botany I	<i>Prerequisite:</i>	Vo Ag Industries & Mechanics
<i>Course Number:</i>	VOAG251	<i>Grades Accepted:</i>	10 – 12

Course Description:

This course is designed to examine the importance of plant cell structure, function of cells, plant processes, nonvascular plants, vascular plants, roots, stems, leaves, flowers, and reproduction of plants. Students will be doing several propagation labs in the greenhouse throughout the semester.

<i>Course Name:</i>	Botany II	<i>Prerequisite:</i>	Botany I
<i>Course Number:</i>	VOAG252	<i>Grades Accepted:</i>	10 – 12

Course Description:

This course in connection with Botany I prepares students to work in the greenhouse and nursery industry. Students will be applying principles learned in Botany I with information taught in Botany II.

Course Name: Agricultural Welding I *Prerequisite:* Vo Ag Industries & Mechanics
Course Number: VOAG201 *Grades Accepted:* 10 – 12

Course Description:

This course is designed to develop skills in Arc and Oxy-Acetylene welding and the processes that deal with the joining of metal for use in the Agriculture Industry. Students will demonstrate proficiency in Shielded Metal Arc Welding and Oxy Fuel welding techniques. Students are required to provide their own safety glasses, coveralls, tape measure, and welding gloves. THIS CLASS MAY ALSO ARTICULATE FOR COLLEGE CREDIT. SEE COUNSELOR OR AG INSTRUCTOR FOR DETAILS.

Course Name: Agricultural Welding II *Prerequisite:* Welding I
Course Number: VOAG 202 *Grades Accepted:* 10 – 12

Course Description:

This course is designed to develop skills in Arc welding and the processes that deal with the joining of metal for use in the Agricultural Industry. Students will demonstrate proficiency in Metal Inert Gas Arc Welding (MIG Welding) and Tungsten Inert Gas Welding (TIG Welding) techniques. Students in this class will work on class projects assigned by the teacher. Students are required to provide their own safety glasses, coveralls, tape measure, and welding gloves. THIS CLASS MAY ALSO ARTICULATE FOR COLLEGE CREDIT. SEE COUNSELOR OR AG INSTRUCTOR FOR DETAILS.

Course Name: Zoology I *Prerequisite:* Vo Ag Industries & Mechanics
Course Number: VOAG311 *Grades Accepted:* 10 – 12

Course Description:

This course is designed to develop knowledge and skills pertaining to nutrition, reproduction, diseases, breeding, genetics, anatomy, and physiology in livestock and horses.

Course Name: Zoology II *Prerequisite:* Zoology I
Course Number: VOAG312 *Grades Accepted:* 10 – 12

Course Description:

This course includes principles of animal production and management. Topics include health, evaluation, selection, feeding, and management. Students will participate in several hands on supplemental activities. This class will be attending the Eastern Idaho State Fair in Blackfoot for judging contests, as well as participating in livestock shows. Topics covered will include feeding and managing the nutrition of livestock and horses, Fitting and showing cattle, and Record keeping.

Course Name: Agriculture Structures and Fabrications *Prerequisite:* Agricultural Welding
Course Number: VOAG401, 402 *Grades Accepted:* 11 – 12

Course Description:

This capstone Agriculture Mechanic course is designed to develop skills in metal equipment assembly and joining processes. Students will work on mastery of welding skills as they build personal and class projects. Students are required to provide their own safety glasses, coveralls, tape measures, and welding gloves.

ART DEPARTMENT
Department Head: Tyler Davis

<i>Course Name:</i> Art I	<i>Prerequisite:</i> None
<i>Course Number:</i> ARTS101, 102	<i>Grades Accepted:</i> 9 – 12
<i>Fee:</i> \$20.00	

Course Description:

Gain basic skills in drawing including line, shape, form and perspective. Learn to shade and turn your sketches into three-dimensional creations. Learn to draw using pencil, ink and charcoal. Learn the basics of painting including color and value. Learn to paint using acrylic, ink, and watercolor. Art criticism and aesthetics will be learned and discussed as we explore art history.

<i>Course Name:</i> Art II	<i>Prerequisite:</i> Art I
<i>Course Number:</i> ARTS201, 202	<i>Grades Accepted:</i> 10 – 12
<i>Fee:</i> \$20.00	

Course Description:

Gain more advanced skills in drawing including line, shape, form and perspective. Experiment with the mediums of pencil, ink and charcoal. Take your drawings and turn them into paintings using acrylic, ink, and watercolor. Art criticism and aesthetics will be learned and discussed as we explore art history.

<i>Course Name:</i> Ceramics I	<i>Prerequisite:</i> Current or previous enrollment in Art I
<i>Course Number:</i> ARTS305	<i>Grades Accepted:</i> 9 – 12
<i>Fee:</i> \$25.00	

Course Description:

Learn to make beautiful things out of dirt! Gain basic skills in pottery, including pinching, coils, slabs, and throwing on the wheel. Learn how to glaze your pottery, including layering and wax resist. Class includes reading a novel about 12th century Korean pottery and doing a report on a historical artwork.

<i>Course Name:</i> Ceramics II	<i>Prerequisite:</i> Ceramics I
<i>Course Number:</i> ARTS306	<i>Grades Accepted:</i> 10 – 12
<i>Fee:</i> \$25.00	

Course Description:

Learn to make even more beautiful things out of dirt! Gain more advanced skills in pottery, including pinching, coils, slabs, and throwing on the wheel. Learn about glazing and firing. Class includes doing a report on a historical artwork and a contemporary potter.

BUSINESS DEPARTMENT
Department Chair: Mike Davidson

Course Name: Computer Applications I *Prerequisite:* 7th Grade
Keyboarding

Course Number: APPL101, 102 *Grades Accepted:* 9 – 12

Course Description:

(Business) Computer Applications I is a year long course designed to acquaint students with basic principles and terminologies associated with data information processing. The course includes an introduction to operating systems, word processing, spreadsheets, data bases, and desktop publishing software. Microsoft Office (Word, Access, Excel, PowerPoint) will be used to process business-related applications and create presentations. Keyboarding speed and accuracy are part of the required competencies.

Course Name: Computer Applications II
(Internet Applications)
(Graphic Design Communications) *Prerequisite:* Computer
Applications I

Course Number: APPL201, 202 *Grades Accepted:* 10 – 12

Course Description:

A Course covering the language of the web using Dreamweaver Software to create and publish web pages, and using the internet for research, decision making and communication purposes. This course will incorporate basic graphic design software such as Photoshop.

Course Name: Computer Applications III
(Multimedia Communications)
(Video/Graphics Applications) *Prerequisite:* Computer
Applications II

Course Number: APPL301, 302 *Grades Accepted:* 11 – 12

Course Description:

Using multimedia tools and software to create and combine text, graphics, audio and video with links and tools that let the user navigate, interact, create, and communicate. THIS CLASS MAY ALSO ARTICULATE FOR COLLEGE CREDIT. SEE COUNSELOR FOR DETAILS.

Course Name: Technical Support
(Video/Graphics Apps)
(Networking Apps) (Software
Apps) (Introduction) *Prerequisite:* Computer
Applications II

Course Number: TSUP201, 202 *Grades Accepted:* 11 – 12

Course Description:

This is a year course in which students select an area in which they wish to receive advanced training. Topics may include videography, web design, graphic design, networking, hardware, integrated software and multi-media design. Students may also assist in maintaining the school's network resources. Because of the sensitive nature of the school's hardware and software resources, a high level of trust and responsibility are required. Students may maintain the school's web pages. Students may also operate and

LANGUAGE ARTS DEPARTMENT

Department Chair: Beth Lopez

Course Name: Creative Writing
Course Number: WRIT101, 102

Prerequisite: Teacher Permission
Grades Accepted: 9 – 12

Course Description:

Students will participate in a variety of creative writing experiences including fiction, personal narratives, and poetry. A variety of skills introduced in previous reading classes will be applied in creating manuscripts. Historical movements in writing will also be explored. Revision and editing skills will be stressed and completed projects will be published in a school magazine.

Course Name: Debate
Course Number: DEBA101, 102

Prerequisite: None
Grades Accepted: 9 – 12

Course Description:

The focus for North Fremont Debate 2009-2010 will be on Lincoln/Douglas Debate. This is a one-on-one, 45-minute debate style based on value propositions and philosophical concepts, the type of debate Lincoln was famous for in his presidential candidacy. The class will also study competitive speech events including interpretation, exposition, impromptu, salesmanship, Congress, and more. It is expected that students will participate in at least three competitive tournaments after school and on weekends.

Course Name: English 9
Course Number: ENGL101, 102

Prerequisite: None
Grades Accepted: 9

Course Description:

Freshmen Literature (Introduction to Literature) is a general survey of literature designed to expose students to a variety of literary genres from the early Greeks to the present. This course will emphasize the careful reading, analysis, and discussion of that literature. We will also focus heavily on the development, writing, editing, and revising of our own works, in preparation for the Idaho Direct Writing Assessment. We will also study grammar as required by the state's curriculum guides.

Course Name: English 10
Course Number: ENGL201, 202

Prerequisite: English 9
Grades Accepted: 10

Course Description:

This course is designed to teach the students vocabulary skills, literary terms and research and writing skills in relation to world literature. Students will review terminology for the state tests at the end of the year (the ISAT test).

Course Name: English 11
Course Number: ENGL301, 302

Prerequisite: English 10
Grades Accepted: 11

Course Description:

This course consists of a historical approach to American literature through the 20th century. Composition is stressed.

Course Name: English 12
Course Number: ENGL401, 402

Prerequisite: English 11
Grades Accepted: 12

Course Description:

Senior English is a general survey of British and Western Literature designed to expose students to a variety of literary genres from the early Anglo-Saxons to the present. This course will emphasize the careful reading, analysis, and discussion of that literature. Senior projects are now a part of house group.

Course Name: A.P. English 12
Course Number: ENGL501, 502

Prerequisite: English 11
Grades Accepted: 12

Course Description:

Advanced Placement English Literature will engage students in an intensive study of literary genres and periods. Students will read and analyze literature for in-depth meaning and pleasure. Verbal and written assessments will help prepare students for A. P. Literature Exam for possible college credit.

Course Name: Speech –
Fundamentals of
Communication

Prerequisite: None

Course Number: SPCH301, 302 *Grades Accepted:* 11

Course Description:

Fundamentals of Communication is a state-required, full-semester class which offers instructions in the communication process, human relations skills, listening, and speech preparation and delivery. Students will come to understand the basic elements in the communication process and how meaning is created and interpreted. They will gain an understanding of how self-concept affects relationships and how to develop sensitivity for communication factors. They will also develop skills for effective listening to interpret messages. Finally, students will learn to prepare speeches, deliver them effectively, and evaluate the speeches of others.

Course Name: Publications

Prerequisite: **Teachers
Permission**

Course Number: PUBL101, 102

Grades Accepted: 9 – 12

Course Description:

A yearbook is a history book. The purpose of this class is to produce a computer generated, journalistically sound yearbook. This goal will be met by learning and adhering to current journalistic style in the areas of interviewing, layout design, graphic design, and copywriting. Financing the publication is also the full responsibility of the class. This will require selling and designing advertising. Students will also maintain the North Fremont on-line newspaper, which will include conducting interviews, writing articles, and studying and adhering to the Journalistic Code of Ethics.

MATHEMATICS DEPARTMENT

Department Chair: Mat Clark

Course Name: Pre-Algebra

Prerequisite: Teacher
Recommendation

Course Number: MATH091, 092

Grades Accepted: 9 – 12

Course Description:

This course teaches the math principles and concepts necessary to succeed in Algebra I. Students who do not score in the proficient range on the math portion of the ISAT test should enroll in this course. **Teacher recommendation required before enrollment.**

Course Name: Fundamentals of
Algebra

Prerequisite: Teacher
Recommendation

Course Number: MATH093, 094

Grades Accepted: 9 – 12

Course Description:

This course is a continuation of the Algebra skills taught in Pre- Algebra. Students who have not yet passed the math portion of the ISAT and who are not yet ready for Algebra I should enroll in this class. **Teacher recommendation required before enrollment.**

Course Name: Algebra I

Prerequisite: None

Course Number: ALGE101, 102

Grades Accepted: 9 – 12

Course Description:

This math class teaches addition and multiplication of real numbers, equations, inequalities, graphing, polynomials, factoring, functions, relations, two variables, and radicals. It is an introduction to geometry and trig.

Course Name: Geometry *Prerequisite:* Algebra I
Course Number: GEOM201, 202 *Grades Accepted:* 9 – 12

Course Description:

This class teaches points, lines, planes, polygons (emphasis on triangles), circles, areas, volumes, constructions, formal proofs, coordinate geometry, and transformations.

Course Name: Algebra II *Prerequisite:* Algebra I
Course Number: ALGE301, 302 *Grades Accepted:* 9 – 12

Course Description:

This math class teaches equations, polynomials, factoring, circular functions, trigonometric functions, identities, progressions, expansions, matrices, probability.

Course Name: Pre-Calculus *Prerequisite:* Algebra II
Course Number: PREC401, 402 *Grades Accepted:* 10 – 12

Course Description:

A study of circular functions, polynomials, complex numbers, theory of equations, trigonometry, determinants, conics, permutations, combinations, and probability.

Course Name: Calculus *Prerequisite:* Pre-Calculus
Course Number: CALC501, 502 *Grades Accepted:* 11 – 12

Course Description:

The study of differential and integral calculus. **Upon successful completion of this class, students may receive four credits from Idaho State University in Calculus. The fee for these credits is currently \$65.00 per credit for a total of \$260.00**

Course Name: Statistics *Prerequisite:* **Algebra II Grade of B or Above**
Course Number: STAT501, 502 *Grades Accepted:* 11 – 12

Course Description:

Descriptive statistics, probability, confidence intervals and hypothesis testing. Emphasis on application. The study of differential and integral calculus. **Upon successful completion of this class, students may receive three credits from Idaho State University in Statistics. The fee for these credits is currently \$65.00 per credit for a total of \$195.00**

RELEASED TIME/AIDE POSITIONS

Department Chair: Richard Law

Course Name: Released Time
Course Number: RLST101, 102

Prerequisite: Counselor & Parent Approval
Grades Accepted: 9 – 12

Course Description:

Released time by parents request for a class of religious instruction.

Course Name: Elementary Aide
Course Number: AIDE421, 422

Prerequisite: Elementary Ed. Pathway
Grades Accepted: 12

Course Description:

This course takes place at the elementary school. It is designed to give the student some insight as to the workings at the elementary level of education. Students who wish to participate in the Elementary Aide program must submit a resume' and a letter of introduction stating their career goals and why they wish to be an elementary aide.

Course Name: Library Aide
Course Number: AIDE411, 412

Prerequisite: None
Grades Accepted: 12

Course Description:

This class is designed to give the student an insight and some actual experiences as to the workings of the Media Center.

Course Name: Office Aide
Course Number: AIDE431, 432

Prerequisite: None
Grades Accepted: 12

Course Description:

This class is designed to give the student a chance to assist in managing the front office.

Course Name: Teacher Aide
Course Number: AIDE401, 402

Prerequisite: None
Grades Accepted: 12

Course Description:

This class gives the student an opportunity to assist teachers as they prepare to teach.

Course Name: Co-ed Physical
Education

Prerequisite: None

Course Number: PHED101, 102

Grades Accepted: 9 – 12

Course Description:

A full year course designed to help all participants achieve a moderate degree of physical fitness. The course introduces a variety of ways to keep fit through lifetime involvement in physical activities.

Course Name: Weight Training

Prerequisite: Co-ed P.E. or Girls P.E.

Course Number: PHED111, 112

Grades Accepted: 10 – 12

Course Description:

A co-ed course consisting of organized free weight training combined with plyometric training and other fitness skills.

SCIENCE DEPARTMENT

Department Chair: Mark Nair

Course Name: Physical Science

Prerequisite: None

Course Number: PHYS101, 102

Grades Accepted: 9

Course Description:

Physical Science is a study exploring matter and energy. This course has been developed to meet the learning needs of the early adolescent (introduction to physics and chemistry). The students will develop process skills and critical thinking skills as they study physical science.

Course Name: Biology

Prerequisite: Physical Science

Course Number: BIOL201, 202

Grades Accepted: 10

Course Description:

Includes the study of life, cells, genetics, evolution, major kingdoms of living organisms, classification and ecology. Includes lab work. This course fulfills the State lab science requirement.

Course Name: Human Anatomy
and Physiology

Prerequisite: Biology

Course Number: ANAT301, 302

Grades Accepted: 11 – 12

Course Description:

An in-depth study of the major systems of the human body, with emphasis on vocabulary terms as they apply to the structure (anatomy) and the function (physiology) of humans. Some dissection required.

Course Name: World History II *Prerequisite:* None
Course Number: HIST101, 102 *Grades Accepted:* 9 – 12

Course Description:

A summary of world history from the French Revolution to the present. Emphasis will be on events and forces that underlie the present world situation. This course will help students to understand pressures in the Middle – East, China as a threat to world peace, the role of America as the world superpower, and third world issues in the 21st Century.

TECHNOLOGY EDUCATION DEPARTMENT

Department Chair: Sam Clark

Course Name: Residential *Prerequisite:* None
 Carpentry I
Course Number: TECH110, 111 *Grades Accepted:* 9 – 12

Course Description:

From beginning to advanced, this class helps develop the basics of woodworking. The students will effectively learn safety, the common tools used in cabinetry, and how to produce a quality project. The beginning of the course is directed towards safety and the woodworking industry. In the first nine weeks the student will also learn how to safely use all of the tools in the shop. The remainder of the course is used to produce a small project given by the teacher. The second half is used to produce projects supplied by the teacher or if the students have personal projects they may work on their own projects.

Course Name: Residential *Prerequisite:* TECH101
 Carpentry II
Course Number: TECH210, 213 *Grades Accepted:* 9 – 12

Course Description:

The basics of construction are taught here. The students learn safety, how to use tools, and the basic concepts of the residential construction industry. The students will work on projects that will familiarize them with the steps involved in building a house. This will include foundation, framing, electrical, plumbing, HV/AC, contractor duties, codes, and everything in between. A large part of the class will be devoted to the basics with large amounts of hands-on activities.

Course Name: Residential *Prerequisite:* TECH101, 102
 Carpentry III
Course Number: TECH351, 352 *Grades Accepted:* 10 – 12

Course Description:

This is an advanced class for students who have completed either Residential Carpentry I or II. In this class we tackle larger projects and go more in depth than we do in Carpentry II. This class will be more detailed and have more hands-on activities with larger projects involved.

