Course Descriptions

LANGUAGE----------

English 9 109

1 Credit Full Year Course

General English emphasizes oral and written communication with a strong focus on grammar, writing, reading and the basic elements of literature. Each student in the class will read at least two novels (by various authors) and one play (Shakespeare's *Romeo and Juliet*). Writing assignments will focus on Narrative, Expository, and Argument. These will be aligned with the CCSS, including research writing and oral presentation. **EOC exam.**

English 10 110

1 Credit Full Year Course

Prerequisite – English 9

This course is a general study which allows students to learn the elements of various types of literature. In addition to an intense study and development of vocabulary and grammar, each student in the class will read at least two novels (by various authors) and one play (Shakespeare's *Julius Caesar*). Writing assignments will continue to focus on Narrative, Expository, and Argument. These will be aligned with the CCSS, including research writing and oral presentation, but the expectation will be higher at the 10th grade level. **EOC exams**.

English 11 111

Non-DE: 1 Credit Full Year Course
DE: 1.5 Credit 2 Semester Course

Prerequisite – English 10

This rigorous course is designed to reinforce the use of proper grammar while challenging students to use their critical thinking skills when reading. Students will be required to read several novels throughout the course of the school year and one novel the summer prior to the class. Students will analyze historical documents and speeches for word choice, grammar, and content. The course is designed to prepare students for the ACT, AP English, and the demands of college. DE 111 - **ENG 102: English -** Dual Enrollment 3credits are available through Urbana University.

Senior English 112

Non-DE: 1 Credit Full Year Course
DE: 1.5 Credit 2 Semester Course

Prerequisite – Junior English

This course builds upon the work begun in Senior English 1. Students continue their study of grammar and their exploration of writing styles in literature and informational text. The focus shifts to applying strategic writing styles to their own writing. Songs, poems, speeches, and historical documents are applied to fictional reading and writing. DE 112 – **ENG 106: English** – Dual Enrollment 3 college credits are available through Urbana University.

English Elective 124

1 Credit Full Year Course

British Literature 123

1 Credit Full Year Course

Prerequisite – English 10

This course is a combination of composition and literature. Compositions will include argument, informative/explanatory, narrative, and MLA research. Vocabulary and grammar will be further developed and refined. British literature will be the major focus, with a minor focus on British literature, including various novels, short stories, plays, poems, and non-fiction texts. Students will also develop speaking and listening skills, centered around one major speech and multiple classroom discussions. The texts and writing assignments will be more challenging and complex than previous English courses.

AP English Literature: 125

1 Credit Full Year Course

Prerequisite - Junior English

Literature appreciation is an introductory course, which by focusing on the themes and values of selected works, "speaks" to life's issues. Designed for first year college students, the course will stress discussion and the development of personal responses to literature. Focus will be on the AP English Literature standards. Students have the option to take the College Board AP exam at the end of this course.

Foreign Language----------

Spanish I 161

1 Credit Full Year Course

Prerequisite - Students must have a B average in English or teacher recommendation in order to take Spanish 1.

Through a wide range of activities, this course develops all skills of the Spanish language – speaking, listening, reading, and writing. Students will acquire a general knowledge of Hispanic culture. Great emphasis will be placed on developing greater understanding and appreciation of cultural similarities and differences.

Spanish II 162

1 Credit Full Year Course

Prerequisite – Spanish I

Spanish II builds upon the skills and knowledge gained in Spanish I. Many new verb tenses and vocabulary words are introduced. Students will need to study on a daily basis.

Spanish III 163

Non-DE: 1 Credit Full Year Course

DE: 1.5 Credit 2 Semester Course

Prerequisite - Spanish I & II

This course continues to explore the skills developed in the first two years of Spanish. In addition, the history and culture of Spanish speaking countries will be a major theme. Students will be exposed to various types of literature and will participate in creative writing using a second language. DE163 - **FLA 101 – Foreign Language Studies I - Spanish:** Dual Enrollment – 3 college credits are available through Urbana University

Spanish IV 164

Non-DE: 1 Credit Full Year Course
DE: 1.5 Credit 2 Semester Course
Prerequisite – Spanish I, II & III
Spanish IV continues and expands the concepts started in previous Spanish courses. Spanish IV students will further develop their oral and writing skills. They will also have the opportunity to share their knowledge with other students and enjoy Spanish literature. DE 164 - **FLA 102 – Foreign Language Studies II - Spanish:** Dual Enrollment – 3 college credits are available through Urbana University.

MATH ----------

Algebra I (Alg. IA-211A and Alg. IB-211B) 211

1 Credit Full Year Course
Prerequisite - Integrated Algebra or Pre-Algebra 7 and Math 8, both with at least a grade of a "B" average
Students with a particular interest in math or science, and especially those who are planning to attend college, are encourage to enroll in Algebra I (may also be taken in 8th grade as Algebra 8). This course is a study of a language through which most of mathematics is communicated. This is a math course that utilizes abstract thinking to express concrete situations. Students will represent situations that involve variable quantities with expressions, equations, and inequalities. A variety of solving techniques will be presented along with many opportunities for problem solving. Method of evaluation may include tests, quizzes, homework, and notebooks. Graphing calculators are used frequently throughout the year. A great amount of time is spent graphing various functions. Therefore graph paper is a must. **EOC exams.**

Geometry 212

1 Credit Full Year Course
Prerequisite - Algebra I
Modern Geometry entails the study of the meaning of sets, points, lines, planes, angle relationships, perpendicular lines, parallel lines and planes, congruent triangle, similar polygons, circles, arcs, and other areas. The student receives valuable training in understanding the basic structure of geometry; in developing the powers of visualization while building the knowledge of the relationship among geometric elements; in understanding the deductive method and an appreciation of the need for precision in geometric language; in the use of algebraic skills; in gaining some knowledge of the methods of coordinate geometry; and of the way algebra and geometry complement each other. The modern geometry course presents the whole treatment with an interpretation of planar and solid concepts with an effective use of algebra 1. **EOC exams.**

CCP Statistics: 213

DE: 1.5 Credit 2 Semester Course
A course designed to acquaint the student with theories and applications of elementary statistics. Course content includes organization of data, measures of central tendency and variability, frequency tables, probability, normal distributions and sampling theory. DE-213 - **MAT 226 Mathematical Statistics** - 3 college credits are available through Urbana University.

Algebra II 222

1 Credit Full Year Course

Prerequisite – Algebra I and Geometry with at least a "C" average in Algebra I

The basic laws of algebra are studied in-depth and their application revealed in some skills. Some of the topics to be studied this year are functions, linear equations and inequalities, matrices, linear systems, sequences and series, quadratic functions, complex numbers, polynomial functions, exponential and logarithmic functions, rational functions, and an introduction to trigonometry will be explored in detail. Method of evaluation may include tests, quizzes, homework, and notebooks. Graphing calculators are used frequently throughout the year. Graph paper is a necessary supply.

Applied Mathematics 221

1 Credit Full Year Course

Prerequisite - Algebra IA and IB, Algebra I & Geometry

Description: Applied mathematics takes algebraic and geometric concepts and applies them to real life (breakeven point, supply and demand, building, etc.). The course will focus upon the use of modeling to represent mathematical and real-world contexts. The application and creation of mathematical models engages students in learning experiences that relates classroom mathematics to everyday life and decision-making. The content of this course focuses upon specific learning expectations defined in the Common Core State Standards for high school mathematics, particularly those standards emphasizing the use of mathematical modeling with linear, exponential, quadratic, and rational functions, as well as geometry and statistics topics that require the use of mathematical modeling. The class will have many hands-on activities using graphing calculators, spreadsheets and measuring devices.

Pre-Calculus 223

Non-DE: 1 Credit Full Year Course

DE: 1.5 Credit 2 Semester Course

Prerequisite – Algebra I, Geometry, Algebra II

This is a continuation of studies from Alg. II. It will provide a foundation of Pre-Calculus concepts, techniques, and applications. Some calculus will also be covered. Basic course content comprises polar coordinates and complex numbers, conics, exponential and logarithmic functions, sequences and series, combinatory and probability, statistics and data analysis, and an introduction to calculus. Advanced problem solving and critical thinking skills will be essential to each student in this class. Method of evaluation may include tests, quizzes, homework, and notebooks. Graphing calculators graph paper are necessities for successful completion of this course. DE 223 - **Mat 220 Pre-Calculus** – 4 college credits are available through Urbana University.

Calculus 224

Non-DE: 1 Credit Full Year Course
DE: 1.5 Credit 2 Semester Course
Prerequisite – Pre-Calculus
By the end of this course, students will be able to work with functions represented in a variety of ways: graphical, numerical, analytical, or verbal, and will understand the connections among these representations. Students will understand the meaning of the derivative in terms of a rate of change and local linear approximation and they should be able to use derivatives to solve a variety of problems. They will understand the meaning of the definite integral both as a limit of Riemann sums and as the net accumulation of change and should be able to use integrals to solve a variety of problems. Students will understand the relationship between the derivative and the definite integral as expressed in both parts of the Fundamental Theorem of Calculus. Students will improve on communicating mathematics both orally and in well-written sentences and should be able to explain solutions to problems. They will be able to model a written description of a physical situation with a function, a differential equation, or an integral. Students will develop an appreciation of calculus as a coherent body of knowledge and as a human accomplishment. DE224 – **Mat 241 Calculus** – 4 college credits are available through Urbana University.

SCIENCE----------

Requirements: 1 Physical Science, 1 Life Science - Biology and one other.

Physical Science 301

1 Credit Full Year Course
This course fulfills the Ohio Core Physical Science requirement and prepares students for the Ohio Graduation Test and upcoming End of Course Exam. This course will present the following topics: Study of matter, forces and motion, the universe and science inquiry and application. This course is designed to help students gain an understanding of physical science in the everyday world. Lab work is included in this course. **EOC exam.**

Life Science* 302

1 Credit Full Year Course
This is a non-college prep class that examines the basic concepts of biology. We will study an introduction to ecology, cellular parts and functions, classification, survey the domains and Kingdoms of life, and introduce the anatomy and physiology of the human body. There will also be lab work, activities, and projects. This class is for those students challenged by the OGT or for those freshmen who may need further preparation for Biology. It will not be offered in 2016/17.

Environmental Science 304

1 Credit Full Year Course
This course will explore the ecological interactions between living things and the environment. This class will study Earth's major Biomes and their ecosystem components. It will provide an overview of the nature of ecosystems, energy flow and interrelationships of biology, geology, and chemical cycles; population studies; organization and dynamics of ecological communities; and environmental pollution. Students will research a topic and/or review periodic literature. Offered every other year, it will not be offered in 2016-2017.

Biology * 305

1 Credit Full Year Course

This course fulfills the Ohio Core Biological Science requirement and prepares them for the upcoming Ohio Graduation Test and upcoming End of Course Exam. The course includes the topics of cells, heredity, evolution, diversity and interdependence of life and science inquiry and application. Lab work is included in this course. **EOC exam.**

Anatomy/Physiology I 303

Non – DE: .50 Credit Semester Course
DE - 1 Credit Semester Course

Prerequisite - Biology

This course is an in-depth study of human anatomy and physiology. Lab consists of animal organ dissections, tissue microscopy, blood typing, analysis of bodily fluids, and other items. A preliminary investigation into the structure and functions of the human body. Emphasis is placed upon cellular biology and the muscular, skeletal, and nervous systems. This course takes place with the General Anatomy/Physiology during the first semester. DE303 - **BIO 251 General Anatomy and Physiology I-** 4 college credits are available through Urbana University.

Anatomy and Physiology II 306

Non – DE - .50 Credit Semester Course
DE - 1 Credit Semester Course

Prerequisite - Biology and the Urbana BIO 251.

A continuation of General Anatomy and Physiology I. Emphasis is placed upon the circulatory, respiratory, digestive, excretory, endocrine, and reproductive systems. DE306 - **BIO 252 -** 4 college credits are available through Urbana University.

Chemistry I 307

Non-DE: 1 Credit Full Year Course
DE: 1.5 Credit 2 Semester Course
Grades 10-11

Prerequisite Complete or concurrent enrollment in Algebra 2 and a grade of B or better in Biology and/or permission of teacher

This course provides comprehensive introduction to principles of chemistry. Students will gain an understanding of matter, atomic theory, chemical reactions, solutions and solubility, rates of reactions, equilibria and acids & bases. The course is the foundation for further study including advanced chemistry, physics, anatomy & physiology and advanced biology. DE307 – **CHE 216 General Chemistry**. 4 college credit hours available through Urbana University.

Physics* 308

1 Credit Full Year Course
Grades 11-12

Prerequisite Complete or concurrent enrollment in Pre-Calculus
Grade of B or better in Chemistry and/or teacher recommendation

Physics deals with the principles of force, motion, energy, waves, magnetism and electricity. In addition, students will be involved in a variety of design and experimentation projects. The purpose of the course is to develop a conceptual understanding of basic physics along with strong analytical, scientific, and problem solving skills.

Geology 310

1 Credit Full Year Course

This course is designed for anyone interested in pursuing the topics of Geology, Oceanography, and Meteorology. Earth science topics include the structure of the earth, landforms, topographic maps, mineral and rock types, and the many forces that change the planet. Oceanographic studies include the action of waves and currents, the topography of the basins, and interactions with the coasts. Meteorological studies will include weather instrumentation, structure and composition of the atmosphere, winds, and climate. Space studies will include the Earth-Moon system, tides, and the Geology of the inner planets. It will not be offered in 2016/17.

Applied Science 311

Grades 11-12

1 Credit Full Year Course

Prerequisites – Biology and Physical Science or Chemistry

Applied science is designed to incorporate basic principles of science, engineering, math, and technology. These principles will be applied to real world problems and situations. Throughout this course application and creation of scientific models will engage students in learning experiences and relate classroom science to the real world. The course will involve a great deal of hands-on, problem and project based learning.

Zoology* 312

Non-DE: 1 Credit Full Year Course

DE: 1.5 Credit 2 Semester Course

This course will study the form, structure, physiology, development, and classification of animals (excluding humans). Lab consists of the dissection of animals such as squid, frog, starfish, and also with tissue microscopy of these animals. This course is intended for anyone who is planning on attending college and is especially recommended for those who plan to major in biology or the medical sciences. DE321 - **BIO 207 Biology I – Zoology -** 4 college credits are available through Urbana University. This will be offered in 2016-2017.

AP Biology* 309

Non-DE: 1 Credit Full Year Course

DE: 1.5 Credit 2 Semester Course

Prerequisites – Alg. II, Biology, Anatomy Physiology.

This is a college equivalent course. Content and pace will be similar to that of first year biology major. Students are required to complete independent readings, research, and presentations in printed, technological, and oral forms. Topics will include molecular and cell biology, heredity and evolution, classification and physiology of the five kingdoms, and ecology. Laboratory work will reinforce good lab techniques and safety. Students will be expected to design and execute a good experimental design, collect usable data, and write reasoned lab reports explaining how data supports or rejects hypotheses made by the student. Students have the option to take the College Board AP exam at the end of this course. DE309 – **BIO 101** – 4 college credits are available through Urbana University.

Jackson Center Agricultural Education

AGRICULTURE AND ENVIRONMENTAL SYSTEMS

Agricultural Education courses make a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success. Agricultural education instruction is delivered through three major components: 1) classroom/laboratory instruction (contextual learning) 2) supervised agricultural experience programs (work-based learning) and 3) student leadership organizations (National FFA Organization). The Agriculture and Environmental Systems program is a satellite of the Upper Valley Career Center.

Agriculture, Food and Natural Resources 320

1 Credit Full Year course
½ Science Credit ½ Elective Credit

This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.

SAE Project: All students are required to conduct a Supervised Agricultural Experience project. The SAE may consist of job placement, hands-on projects of any type including animal, plant, construction or research projects approved by the instructor. The project is meant to help the student gain hands-on experience in an agriculturally-related field of their choice and is completed outside of class. Records will be kept and updated in the online AET record keeping system.

FFA Membership and Participation: FFA is an inter-curricular component of the Agricultural Education program and membership is mandatory for students enrolled in the Jackson Center Agricultural Education program. Members are asked to attend a minimum of two (2) FFA activities per nine week grading period.

Course intended for: 1st year Ag Students and 8th& 9th graders

Projected Course Fees: $20 Class supplies and $25 FFA membership = $45

Animal and Plant Science 322

1 Credit Full Year course
½ Science Credit ½ Elective Credit

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined.

SAE Project: All students are required to conduct a Supervised Agricultural Experience project. The SAE may consist of job placement, hands-on projects of any type including animal, plant, construction or research projects approved by the instructor. The project is meant to help the student gain hands-on experience in an agriculturally-related field of their choice and is

completed outside of class. Records will be kept and updated in the online AET record keeping system.
FFA Membership and Participation: FFA is an inter-curricular component of the Agricultural Education program and membership is mandatory for students enrolled in the Jackson Center Agricultural Education program. Members are asked to attend a minimum of two (2) FFA activities per nine week grading period.
Course intended for: 2nd year Ag Students who have taken Agriculture, Food and Natural Resources
Projected Course Fees: $20 Class supplies and $25 FFA membership = $45

Mechanical Principles 323

1 Credit Full Year Course
½ Science Credit ½ Elective Credit
Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.
SAE Project: All students are required to conduct a Supervised Agricultural Experience project. The SAE may consist of job placement, hands-on projects of any type including animal, plant, construction or research projects approved by the instructor. The project is meant to help the student gain hands-on experience in an agriculturally-related field of their choice and is completed outside of class. Records will be kept and updated in the online AET record keeping system.
FFA Membership and Participation: FFA is an inter-curricular component of the Agricultural Education program and membership is mandatory for students enrolled in the Jackson Center Agricultural Education program. Members are asked to attend a minimum of two (2) FFA activities per nine week grading period.
Course intended for: 3rd& 4th year Ag Students- Juniors and Seniors. Must have completed Agriculture Food and Natural Resources and Animal & Plant Science.
Projected Course Fees: $30 Class supplies and $25 FFA membership = $55

Global Economics and Food Markets 324

1 Credit Full Year Course
½ Science Credit ½ Elective Credit
Students will examine economic principles related to agriculture, food, and natural resources along with the operation and use of commodity futures and option markets. Students will learn economic principles with emphasis on their application to the solution of agricultural industry problems. They will examine future exchanges and commodity futures contracts, hedging strategies, as well as put and call options. Throughout the course, students will become familiar with the causes and consequences of economic growth, globalization and development. **(Even year offering: 2016-2017)**
SAE Project: All students are required to conduct a Supervised Agricultural Experience project. The SAE may consist of job placement, hands-on projects of any type including animal, plant, construction or research projects approved by the instructor. The project is meant to help the student gain hands-on experience in an agriculturally-related field of their choice and is completed outside of class. Records will be kept and updated in the online AET record keeping system.

FFA Membership and Participation: FFA is an inter-curricular component of the Agricultural Education program and membership is mandatory for students enrolled in the Jackson Center Agricultural Education program. Members are asked to attend a minimum of two (2) FFA activities per nine week grading period.
Course intended for: 3rd& 4th year Ag Students- Juniors and Seniors. Must have completed Agriculture Food and Natural Resources and Animal & Plant Science.
Projected Course Fees: $20 Class supplies and $25 FFA membership = $45

Business Management of Agricultural and Environmental Systems 325

1 Credit Full Year Course
½ Science Credit ½ Elective Credit
Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified. Odd Year offerings: 2017-2018.
SAE Project: All students are required to conduct a Supervised Agricultural Experience project. The SAE may consist of job placement, hands-on projects of any type including animal, plant, construction or research projects approved by the instructor. The project is meant to help the student gain hands-on experience in an agriculturally-related field of their choice and is completed outside of class. Records will be kept and updated in the online AET record keeping system.
FFA Membership and Participation: FFA is an inter-curricular component of the Agricultural Education program and membership is mandatory for students enrolled in the Jackson Center Agricultural Education program. Members are asked to attend a minimum of two (2) FFA activities per nine week grading period.
Course intended for: 3rd& 4th year Ag Students- Juniors and Seniors. Must have completed Agriculture Food and Natural Resources and Animal & Plant Science.
Projected Course Fees: $20 Class supplies and $25 FFA membership = $45

Agricultural and Environmental Systems Capstone 327

2 Credits Full Year Course
1 Science Credit 1 Elective Credit
Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships.
SAE Project: All students are required to conduct a Supervised Agricultural Experience project. The SAE may consist of job placement, hands-on projects of any type including animal, plant, construction or research projects approved by the instructor. The project is meant to help the student gain hands-on experience in an agriculturally-related field of their choice and is completed outside of class. Records will be kept and updated in the online AET record keeping system.
FFA Membership and Participation: FFA is an inter-curricular component of the Agricultural Education program and membership is mandatory for students enrolled in the Jackson Center

Agricultural Education program. Members are asked to attend a minimum of two (2) FFA activities per nine week grading period.
Course intended for: Must have completed Agriculture, Food and Natural Resources and Animal & Plant Science. Students must complete 3 of the 4 above listed courses prior to taking Capstone.
Instructor approval needed.
Projected Course Fees: $20 Class supplies and $25 FFA membership = $45

SOCIAL STUDIES----------

Current Issues 402

.50 Credit 1 Semester
This class is for those who are more interested in what is rather than in what has been. It covers current happenings in such areas as foreign affairs, civil rights, trade, industrial developments, abortion, euthanasia, and many other areas of daily life. Students are required to make daily reports on current events from such sources as television, radio, newspapers, magazines, and other.

World Leaders 403

.50 Credit 1 Semester
The class looks at the leadership qualities of both former and current leaders. We not only look at world leaders but the leaders who are directly involved in our everyday life. Throughout the course we will also look at ways for individuals to build upon their own leadership skills. Placed opposite Current Issues in the schedule.

Sociology 406

.50 Credit 1 Semester
Sociology is designed to be a study of human interaction in groups. Through textbook readings, class discussion, and various other activities, students will be better able to understand society and culture, the process of socialization, the problems of social mobility and reform movements in our country. Placed opposite Psychology in the schedule

Psychology I 412

.50 Credit 1 Semester
Psychology is the social science that seeks to measure, explain, and sometimes change the behavior of humans and other animals. This course provides students with an understanding of the basic processes and concepts of behavior, and of ways in which people may apply psychological findings to their own lives. It incorporates reading from various sources, activities, and some experimentation. Place opposite Sociology in the schedule

US History 421

1 Credit – Full Year Course
Required 9th grade class
This course begins with the study of the effects of the old world on the new and continues through modern times. Emphasis is placed on the contributions of many people to our country's greatness, the great social changes and events, their causes and effects on the future, and the appreciation of the responsibility of every citizen. With knowledge and understanding of these things, a student may learn to hold on to the advantages of living in America, and recognize needed changes for the future. **EOC exam.**

American Government 422

1 Credit – Full Year Course
Required 11th or 12th grade class
American government is the study and investigation of our Constitution and the various departments set up by it. These departments and their agencies are studied at the federal, state, and local levels. Federalism, politics, competing world philosophies, the United Nations, taxation, labor, elections, and current events are some of the areas, which will be covered. **EOC exam.**

Modern World History 423

1 Credit – Full Year Course
World History will offer students an overview of the history of human kind from the earliest of times to the present. This course will emphasize the study of significant people, events and issues. Students will uncover broad historical themes that happen repeatedly and connect ideas and events across time periods. This course will involve the use of technology as a research tool, and a resource in and of itself.

FINE ARTS----------

Art Foundations 601

1 Credit Full Year Course
This is an introductory survey class to art through video, hands-on studio experience and lecture. Students must meet deadlines in order to pass the class. Vocabulary, the elements and principles of design and the study of art careers will be taught. Students will learn to evaluate artwork using the elements and principles of design as a basis. Reading, research and written work are required throughout the course. Hands on studio experience will cover drawing, painting and basic sculptural techniques. 601A – II; 601B – III; 601C - IV

Painting 602

1 Credit Full Year Course
This course will expose students to various painting media - acrylic, tempera, watercolor and mixed media, as well as develop individual methods of expression and understanding of painting. This class will be an intense involvement in teacher-directed projects in painting. Color theory and composition will be continually emphasized as well as applying the elements and principles of design to the work. Emphasis will be placed upon realism and an understanding of proportion, light and shadow will be stressed. Abstract work will be included. Reading assignments and written work are required along with tests. 602A – II; 602B – III; 602C - IV

Art History 603

.50 Credit Semester Course
This class will prepare and help students to understand art history through various learning techniques. Each student will study and connect with historical art movements, artists and their influences. This course is a mixture of art history, art production, as well as written material. Notes will be taken and tests will be given. Placed opposite of Printmaking or Sculpture in the schedule. 603A – II; 603B – III; 603C - IV

Printmaking 604

.50 Credit Semester Course

Printmaking will be taught as a fine arts discipline. A variety of printing processes will be explored through lecture, video and hands-on experience. The course will cover the history of printmaking. Quizzes and/or tests will be given over class information. Offered every other year, it will not be offered in 16/17. Placed opposite of Art History in the schedule. 604A – II; 604B – III; 604C - IV

Ceramics 612

.50 Credit Semester Course

This course is aimed at developing ability in the construction of hand built and wheel-thrown ceramic ware. Course work will include the history of ceramics, firing, glazing and surface decoration techniques. A series of finished ceramic pieces will include both functional and non-functional work. Students will learn names, functions and proper use of basic ceramic equipment. Quizzes and/or tests will be given over class information. Placed opposite of Illustration in the schedule. 612A – II; 612B – III; 612C - IV

Illustration and Drawing 613

.50 Credit Semester Course

Students will work to gain knowledge, experience and develop drawing skills in executing various types of illustrations and drawings. Students will learn to work with and master various drawing media (pencil, ink, charcoal, colored pencil, chalk and oil pastel). Students will learn how artists work with numerous kinds of media to create various kinds of artwork. Students will also be exposed to various art movements, artists and their works. Quizzes and/or tests will be given over class information. Placed opposite of Ceramics in the schedule. 613A – II; 613B – III; 613C - IV

Sculpture 614

.50 Credit Semester Course

Students will work to gain knowledge and experience in creating 3 dimensional works of art. Students will learn to work with and master a variety of media in creating these works of art. Quizzes and/or tests will be given over class information. Offered every other year, it will be offered in 16/17. Placed opposite of Art History in the schedule. 614A – II; 614B – III; 614C - IV

Instrumental Music 651

1 Credit Full Year Course

The high school band is the primary performance group in this instructional field. It includes marching, concert, and pep band. The band performs 11 months of the year and attendance is required at all rehearsals and performances. The schedule includes parades, basketball games, contest, and concerts.

Chorus 652

1 Credit Full Year Course

High School Choir is a singing group for men and women in grades 8 – 12. This group performs a variety of music in different styles at several concerts throughout the year. Attendance at all performances is required. This class has also performed at the Ohio Statehouse on many occasions as a part of the Holiday Concert Series or taken other music field trips. Students will learn music from different time periods, sight singing, and basic music theory as part of the class.

Music Technology I 654

1 Credit Full Year Course

This course is designed to expose students to the basics of using modern technology to compose record, edit, produce, master, and publish music. Basic music theory is integrated into the curriculum, as well as a survey of careers available in the field of music technology. Students will receive hands-on experience in the setup, sound check, and performance of a live production. Grading is primarily project-based; vocabulary comprehension and reading assignments are also required. The course is open to all students in grades 9-12.

Music Technology II 655

1 Credit Full Year Course

This course is designed to delve deeper into the software and hardware used in modern music production. Analysis of pop music and other genres, coupled with a solid basic music theory foundation, will allow students to produce music in any genre they choose. This course will also deal with the live performance aspects of the "computer artist," and will include one required performance. This course is open to all students' grades 10-12 who meet the prerequisite.
Prerequisite: Music Technology I

Theatre Arts I - Introduction to Theatre and Acting 656

1 Credit Full Year Course

Meet a fine arts elective credit. The class introduces the student to beginning acting techniques and theatre appreciation. The course is organized into five strands: Artistic Perception, using the language and skills of theatre, Creative Expression, creating theatre to communicate meaning and intent, Historical and Cultural Content, examining the key figures and historical periods of theatre and the role theatre plays culturally in the world, Aesthetic Valuing, analyzing theatre for meaning and intent as well as its ability to communicate effectively, and Connections, Relationships and Applications, developing lifelong skills such as creative problem-solving and planning. The class includes: Team work, relaxation, concentration, movement, voice, play analysis, acting, improvisation, character analysis, performance, scene work, monologues, audition/interview skills, theatre vocabulary, theatre history and play reports.

PHYSICAL EDUCATION AND HEALTH----------

Physical Education I 509

.25 Credit 1 Semester Course

The purpose of this class is to teach and encourage physical fitness and health. Both individual and group activities will be a part of this course. Students will work to improve conditioning, coordination, skill-level, and sportsmanship. In addition, cardiopulmonary resuscitation (CPR) will be taught during this course, due to the requirements by the ODE.

Physical Education II 510

.25 Credit 1 Semester Course

Prerequisite – PE 9

The purpose of this class is to provide the opportunity to improve health and fitness through many individual and team activities. Areas, which will be included, are body mechanics, conditioning, and many different recreational games. Emphasis will be placed on leadership, fair play, cooperation, and social development.

Summer PE 511

.25 Credit 3 weeks in the summer

Technology----------

Advanced Technology I 702

.50 Credit 1 Semester

Pre-requisite - 8th Grade Technology I

Students must have taken Tech I prior to taking this class. In this class students will learn to use Microsoft Excel.

Advanced Technology II 705

.50 Credit 1 Semester

Prerequisite – Advanced Technology I

Students must have taken Tech I prior to taking this class. The main topic in Advanced Tech II is desktop publishing. Students will use Microsoft Publisher and Word to create various projects. Students will also work on yearbook and senior slide show for graduation.

PRACTICAL ARTS----------

FAMILY AND CONSUMER SCIENCES

Family and Consumer Science courses help students develop skills for life. The courses feature a hands-on approach to learning life skills in a fun and lively manner. Students enrolled in Family and Consumer Science courses also have the opportunity to participate in FCCLA (Family, Career and Community Leaders of America) which focuses on community service both in and beyond the classroom. The Family and Consumer Science program is a satellite of the Upper Valley Career Center.

Child Development 819

.50 Credit 1 Semester

Offered to grades 9-12

In this course, students will study the principles of child growth, development and behavior. An emphasis will be place on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles and evaluating childcare services. DE819 - (**PSY 203)** - DE 3 college credits available through Urbana University. Placed opposite Global Foods in the schedule.

Personal Financial Management 820

Non DE: .50 Credit 1 Semester Course

DE: 1 Credit 1 Semester Course

Offered to grade 10 - 12 and will serve as the required finance credit for graduation.

In this course, students will develop personal financial plans for individual personal well-being. Throughout the course, students will develop financial literacy skills to provide a basis for responsible citizenship and career success. Additional topics will include analyzing services from financial institutions, consumer protection, investing and risk management.

DE820 – **(FIN 216)** DE 3 college credits are available through Urbana University. Placed opposite of Career and College Readiness in the schedule.

Principles of Food 821

.50 Credit 1 Semester Course
Offered to grades 9-12
In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized. Placed opposite of Personal Wellness in the schedule.

Personal Wellness (Health) 822

Non DE: .50 Credit 1 Semester Course
DE: 1 Credit 1 Semester Course
Offered to grades 9-12
This course will serve as the required Health credit.
In this course, students will analyze personal physical, emotional, social and intellectual growth for a healthy lifestyle. An emphasis will be placed on lifespan wellness by managing stress through relaxation, physical activity and sleep. Additional topics will include human growth development, mental health management, personal hygiene and preparing for emergency medical situations. DE – 822(**HEA 152 Wellness**) - DE 3 college credits are available through Urbana University. Placed opposite of Principles of Food in the schedule.

Global Foods 823

.50 Credit 1 Semester Course
Offered to grades 9-12
In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes. Placed opposite Child Development in the schedule.

Career and College Readiness 825

.50 Credit 1 Semester Course
Offered to grade 10 - 12
In this course, students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation, leadership and entrepreneurship. Placed opposite of Personal Financial Management in the schedule.

Leadership and Community Engagement 826

Offered to grades 9-12
During Tiger Time Full Year Course
FCCLA Membership Required
In this course, students will learn how to become an active community member and citizen. An emphasis will be placed in service learning, leadership training and teambuilding opportunities. Additional topics will include public policy issues, community and global engagement.

Potential Course Offerings –based on student interests (in following years 2017-2018)

Graduation Reality and Dual-Role Skills (GRADS) 816

Offered to any student if needed.
This course will allow pregnant and parenting students to remain in school while developing parenting skills. Topics will include career readiness, financial management, relationship techniques, human growth and development and parenting styles and responsibilities. This is a dropout prevention program.

Human Growth and Development 817

Offered to grades 9-12
In this course, students will analyze human growth and development throughout the lifespan. An emphasis will be placed on physical, cognitive, social and emotional growth and development. Additional topics will include human characteristics and traits, genetic defects, parenting styles and responsibilities and cultural differences within a family unit and community.

Interior Design, Furnishings and Management 818

Offered to grades 9-12
In this Family and Consumer Sciences career field course, students will examine design principles used in residential interiors. An emphasis will be placed on incorporating anthropometrics, ergonomics and psychological responses. Additional topics will include the selection and organization of furnishings, floors and wall coverings in living spaces, kitchens and baths.

College Credit Plus In-House Courses:

All through Urbana University

Full year course – register in January with UU as a spring semester course
Take 1st semester here for .50 - JC credit only; take 2nd semester with UU for 1 full JC credit and the college credit (3 or 4 semester hours).

Juniors and Seniors Only:

English: 3 credit hours at UU
Junior English (ENG 102)
Senior English (ENG 106)

Science: 4 hours of credit for each course at UU
Anatomy - Physiology I (BIO 251) - 1st semester course
Anatomy – Physiology II (BIO 252) – 2nd semester course
Biology I – Zoology (BIO 207)
Chemistry I (CHE 216)
AP Biology (BIO 101)

Foreign Language: 3 hours of credit each at UU
Spanish III (FLA 101)
Spanish IV (FLA 102)

Math:
Sophomores/Juniors/Seniors:
Pre-Calculus (MAT 220) 4 credit hours – Prerequisite is a B or better in Algebra II
Juniors/Seniors only:
Calculus (MAT 241) – 4 credits each – Prerequisite is a B or better in Pre-Calc.
Statistics (MAT 226) – 3 credit hours

FCCLA courses: 3 credit hours each
Sophomores/Juniors/Seniors:
Personal Finance Management (FIN 216) – semester course
Child Development (PSY 203) – semester course
Healthy Living (HEA 152 Wellness) – semester course

Requirements:

GPA – Cumulative GPA requirement is a minimum 3.0 or recommendation by the committee.

Cost – *Students may have to buy their own books. They will also have to reimburse the school if they fail the course or drop it after the college add/drop deadline.