

# **University Laboratory School High School Program of Studies 2009-10**

## **University Laboratory School Mission Statement**

Founded in 1915 as a division of the College of Education, the Louisiana State University Laboratory School is committed to intellectually and socially developing students and pre-service teachers through the implementation, demonstration and continuous evaluation of exemplary programs and instructional practices across the K-12 spectrum while serving as a center for educational innovation and research that provides professional development opportunities for the state's educators.

## **The Beliefs of the LSU Laboratory School**

1. Students are the center of our school's professional learning community and actively participate in our community of learners.
  2. Students benefit from working with teachers and pre-service teachers who model exemplary, best teaching practices that are research based.
  3. Students benefit from participating in a community in which values are shared and modeled by all of the members.
  4. Students enjoy access to a curriculum rich in the liberal arts and the sciences.
  5. Students enjoy access to a curriculum that is holistic, transdisciplinary, and inquiry driven.
  6. Students are held accountable to clear and concise expectations that promote positive behaviors and independence and help them develop into responsible citizens.
  7. All students have an equitable opportunity to learn in which student effort facilitates achievement.
  8. All students enjoy a safe environment that promotes teaching and learning.
-

## INTRODUCTION

At the University Laboratory School, scheduling courses is done through a partnership between student, teachers, parents, and the high school guidance counselor. During the spring semester of each year, students receive an updated copy of the course guide to assist them in making informed decisions about scheduling for the coming year. It is also posted on the school's web page. The guide should be the first resource for answering questions about courses and scheduling at the Laboratory School.

## GENERAL INFORMATION

### *The Request Process*

All students in high school work with the high school guidance counselor to assist them with scheduling. The counselor is the student's source of information regarding scheduling. Materials for scheduling are distributed by the counselor, and students may meet with the counselor individually to discuss their schedules. The completed schedule request (with the proper signatures) must be returned to the counselor. It is the student's responsibility to have his or her schedule requests completed. Students who do not complete a schedule request by the deadline will lose priority in the scheduling process.

Changes after course selection is completed in the spring must be in writing and signed by a parent. The University Laboratory School will not accommodate requests to change a schedule in order to get a certain teacher or class period.

Students who request a withdrawal or change from a course must do so before the fourth meeting of the class. Requests for a change after this date will not be made.

### *Scheduling Conflicts*

The Laboratory School offers a variety of courses. This gives our students a rich high school experience. However, it also means that while we make every effort to fully schedule student course requests, every student cannot get every request. As at any school, there will be times when a student cannot schedule every course that he or she wants. Students are given the opportunity to choose alternative courses on the course selection sheet should there be a conflict. If no alternatives are listed, students are placed in the most appropriate alternate course.

### *Elective Course Offerings*

The Laboratory School reserves the right to cancel any course not required for graduation if too few students request the course.

### *Course Requirements*

Students must have a minimum of 23 credits to graduate from the University Laboratory School. Students have eight courses, with four courses on Day A and four courses on Day B. Students can earn ½ credit for each course per semester. Failure to pass one semester or both semesters of a course required for graduation will result in summer school for the course(s) failed.

The following are charts that show the graduation requirements and a typical student schedule in each year at our school.

## UNIVERSITY LABORATORY SCHOOL GRADUATION REQUIREMENTS

| (1/2 credit – 1 semester)   | Minimum Credits Required |
|---|--------------------------|
| English<br>I, II, III, IV   | 4                        |
| Mathematics (In High School)<br>Algebra I, Geometry, Algebra II, Higher Math<br><b>(School requires 1 additional math class)</b><br><b>*2008-09 and beyond entering 9<sup>th</sup> grade will need 4 credits in Math)</b> | 3                        |
| Social Studies<br>World History, Civics (1/2 credit), Free Enterprise (1/2 credit), American History<br><b>(School requires 1 additional social studies class)</b>  | 3                        |
| Science<br>Physical Science, Biology, Chemistry<br><b>(School requires 1 additional science class)</b>  | 3                        |
| Physical Education<br>Physical Education I, Physical Education II (1/2 credit)  | 1 ½                      |
| Health  | ½                        |
| Foreign Language (In High School)<br>(2 credits in the same foreign language)   | 2                        |
| Electives to complete a minimum of 23 credits   | 6                        |

**\*2008-09 and beyond entering 9<sup>th</sup> grade must have 24 credits**

**Note: High school math and foreign language courses taken in middle school, such as Algebra I, French I or Spanish I, earn credit toward the 23 credits needed to graduate, but they do not fulfill the school requirements.**

**All courses taken for high school credit are counted in a student's cumulative grade point average.**

## A VIEW OF STUDENT SCHEDULES IN HIGH SCHOOL

There are 8 class periods in the Laboratory School schedule, odd numbered classes on Day A and even numbered classes on Day B.

- 9<sup>th</sup> Grade**      English I  
 Mathematics (Algebra I, Geometry, or Algebra II)  
 World History  
 Physical Science  
 Foreign Language (French I or II, Spanish I or II)  
 Physical Education I  
 Computer Applications  
 Elective (Fine Arts Survey, Art I, Advanced Band, or Beginning Choir)
- 10<sup>th</sup> Grade**    English II  
 Mathematics (Geometry, Algebra II, or Math Methods I IB)  
 Civics/Free Enterprise  
 Biology \*  
 Foreign Language (Spanish II or III, French II or III)  
 Physical Education II (1/2 credit)  
 Health (1/2 credit)  
 Electives (2 classes: Fine Arts Survey, Art I, Art II, Advanced Band, Jazz Band, Intermediate Choir, Multimedia Production, Reading/Inquiry)  
 \* Students who are taking Algebra II or higher math may take both Chemistry and Biology
- 11<sup>th</sup> Grade**    English III or English III IB  
 Mathematics (Algebra II, Math Methods I IB, Math Methods II IB)  
 American History or American History IB  
 Science (Chemistry, Environmental Systems IB, Biology II IB, Physics I IB)  
 Electives (4 classes from the areas of Fine Arts, Computers, English, Science, Social Studies, Physical Education)\*  
 \*School Service may be substituted for 1 of the 4 elective classes
- 12<sup>th</sup> Grade**    English IV or English IV IB  
 Mathematics (Advanced Mathematics Functions, Advanced Mathematics Pre-Calculus, Math Methods II IB, Calculus AP)  
 Social Studies (Economics IB, World Geography IB, World History IB, Sociology)  
 Science (Biology II, Biology III IB, Environmental Systems IB, Physics, Physics II IB)  
 Electives (2 classes from the areas of Fine Arts, Computers, English, Science, Physical Education)

## COURSES

**English**

Four credits in English are required for graduation.

All English courses are integrated courses of language, literature, and composition.

**English I                      1 Credit**

**English I** is an introduction to world literature and composition course. Literature study focuses on several topics, themes, and issues traced through novels, short stories, poetry, drama and non-fiction; study also requires students to analyze and respond to literature. Composition study requires that students write both analytically and creatively in several modes for a variety of purposes and audiences.

**English II                      1 Credit                      Prerequisite: English I**

**English II** focuses on reading, writing, speaking, listening, and critical thinking skills. Students read, respond to, and analyze a wide variety of literature, primarily by classic and contemporary American authors. They write in various forms for different audiences and purposes. Students showcase their work in an end-of-year literacy portfolio.

**English III                      1 Credit                      Prerequisite: English II**

**English III** is a course that develops reading, thinking, and expressive skills through intensive study of Western literature. A primary focus of the course is making and defending original judgments on literary and personal topics. Students will use technology for research and presentations and continue to write for specific audiences and purposes.

**English III IB1 Credit                      Prerequisite: English II; Teacher Recommend.**

**English III IB** is the first course of the two-year IB English study at the higher level. Students enrolled in this course commit to both years and to the IB examination. The course focuses on an intensive study of world literature and composition and is open to IB certificate students as space permits. **IB Certificate students must remain in this class for the entire year.**

**English IV                      1 Credit                      Prerequisite: English III**

**English IV** is a course that will cover literature from ancient cultures through the twentieth century. Much attention is also given to student composition with emphasis on the revision process and utilization of peer editing. Students are required to use both electronic and print sources in a variety of papers to demonstrate their understanding of research, citation, and documentation. Vocabulary skills are addressed through the study of literature and vocabulary lists. Students who score 23 or higher on the English section of the ACT will be eligible for concurrent enrollment in English 1001 at LSU. All English IV students will complete the assignments and assessments for English 1001.

**English IV IB                      1 Credit                      Prerequisite: English III IB**

**English IV IB** is the second course of the two-year study that prepares students for the required International Baccalaureate English Exam. Content is a continuation of the IB prescribed readings. The course focuses on the student's ability to critically analyze and to express ideas clearly, concretely, and concisely.

**Publications I (Yearbook) 1 Credit                      Prerequisite: English Teacher & Publication  
Teacher Recommendation Required**

**Publications I** is a course in which students create page layouts and copy for the yearbook, and learn basic photography skills. Students will also be introduced to basic desktop publishing. Students must be able to work independently and cooperatively within strict time frames. Class

size is limited.

**Publications I (Newspaper) 1 Credit**      **Prerequisite: English Teacher & Publication Teacher Recommendation**

**Publications I** is a course in which students will learn interviewing, reporting and journalistic writing skills in order to publish a student newspaper. In addition, units on American media will be covered.

**Publications II (Yearbook) 1 Credit**      **Prerequisite: Publications I**

**Publications II** is a course in which students will learn to create yearbook pages using the computer and templates. Students will be expected to submit photographs that are suitable for yearbook publication. Students will demonstrate the ability to serve as section editors; this includes both journalistic skills and leadership qualities.

**Publications II (Newspaper) 1 Credit**      **Prerequisite: Publications I**

**Publications II** is a course in which students will continue to develop interviewing, reporting, and journalistic writing skills to publish a student newspaper.

*\*\*Students may not take both Publications-Yearbook and Publications-Newspaper at the same time.*

**Creative Writing**      **1 Credit**

**Creative Writing** is a workshop course in which students write in various genres for different purposes and audiences. They learn strategies and techniques for poetry, fiction, and non-fiction by reading models and by practicing their own writing. Students produce several class booklets and assist in the production of the school literary magazine, *Collage*.

**Reading /Inquiry**      **1 Credit**

**Reading /Inquiry** is designed to enhance an array of research and writing skills and provide PSAT/ACT/SAT test preparation along with opportunities to increase reading rate, improve critical thinking, and increase vocabulary.

**Mathematics**

University Laboratory School requires four years of mathematics in high school.

**Algebra I**      **1 Credit**

**Algebra I** is a core course which focuses on developing a rich understanding of fundamental algebraic ideas in realistic settings. Topics include data analysis, variables, operations and properties of real numbers, functions, solving and graphing linear equations and inequalities, factoring quadratics, and exponents. Students must apply problem-solving skills.

**Geometry**      **1 Credit**      **Prerequisite: Algebra I**

**Geometry** is the study of visual patterns and the use of these patterns to describe the physical universe. Students utilize inductive reasoning to make conjectures about the relationships in geometric figures and use deductive reasoning to confirm these conjectures. After discovering or deriving relationships, students use their ideas to solve algebraic problems involving geometry. Euclidean geometry, transformational geometry, and coordinate geometry will be covered.

**Algebra II**                      **1 Credit**                      **Prerequisite: Algebra I**

**Algebra II** provides students an opportunity to further their understanding of algebraic concepts and skills introduced in Algebra I and Geometry. It also provides students with opportunities to extend the use of functions as models for dealing with real life situations. Students explore algebraic functions of different degrees through data collection, analysis, and interpretation. Students also learn the skills needed to solve and manipulate functions of varying degrees.

**Advanced Math Functions**                      **1 Credit**                      **Prerequisite: Algebra II; Seniors Only**

**Advanced Math Functions** is for those seniors who have scored less than a 23 on the ACT math subtest. Students in this class who have an ACT math subtest score of at least 18 can receive high school credit as well as college credit. The first semester of the course is ACT math preparation and review of Algebra II topics. The second semester is dual enrollment college algebra for 3 college credit hours. Topics will include the further study of functions, including polynomials, exponential and logarithmic function, the nature of graphs, matrices, and trigonometry and its applications. Some topics from probability and statistics will also be introduced.

**Advanced Math Pre-Calculus**                      **1 Credit**                      **Prerequisite: Algebra II; Seniors Only**

**Advanced Math Pre-Calculus** is dual enrollment college algebra first semester and dual enrollment college trigonometry second semester. Students can receive high school credit as well as college credit if their ACT math subtest is 23 or better. For the first semester, topics covered are quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations. Second semester topics include trigonometric functions and identities, inverse trigonometric functions, graphs, solving triangles and equations, complex numbers and polar coordinates.

**Math Methods I IB (Pre-Calculus)**                      **1 Credit**                      **Prerequisite: Algebra II**

**Math Methods I IB** is the first year of a two-year study of rigorous mathematics at the standard level for IB students. This course is dual enrollment college algebra first semester and dual enrollment college trigonometry second semester. Students are introduced to a variety of numerical and algebraic concepts and applications. Students are introduced to and work with those functions studied in Calculus. A study of two-dimensional vectors and triangle trigonometry is included. Students enrolled in Math Methods I must enroll in Math Methods II.

**Math Methods II IB (Calculus)**                      **1 Credit**                      **Prerequisite: Math Methods I**

**Math Methods II IB** is the second year of a two-year study of rigorous mathematics at the standard level. During this year, students finish the core curriculum prescribed by IB and topics in calculus are covered. Students will spend approximately one quarter of the year studying statistics and probability and the remainder of the year focusing on calculus.

**Calculus AP**                      **1 Credit**                      **Prerequisite: Math Methods II IB**

**Calculus AP** will prepare students for the College Board Advanced Placement Examination in Calculus AB level. Students enrolled in this class may take the nationally administered Advanced Placement examination.

**Social Studies**

The University Laboratory School requires 4 years of social studies.

**World History**                      **1 Credit**

**World History** will cover the period from the Renaissance through the late 20<sup>th</sup> century. The course emphasizes cause and effect, cultural change, and connections to our condition in the 21<sup>st</sup> century. The influence of Western Civilization on modern institutions, governments, attitudes, and perspectives will be a major focus. The contribution of other areas of the world such as Asia, Africa, and Latin America to our present civilization will also be investigated.

### **Civics**

**½ Credit**

**Civics** is designed to explore the origins of government and the various models found around the world today. In addition, many local, national, and global social issues are reviewed, discussed, and debated. Comparative analysis of governments, international relationships, role of the citizen, and the foundation of the American political system are at the heart of the course.

### **Free Enterprise**

**½ Credit**

**Free Enterprise** introduces the basic economic problems facing all societies and focuses on the structure and values underlying the American economic system. The roles of consumers, businesses, government, and financial institutions are addressed. Economic terminology and methods of analysis are emphasized.

### **American History**

**1 Credit**

**American History** includes basic geographic, economic, social, political, and historical developments following reconstruction and the westward movement. Special attention is given to the impact of industrialization and urbanization, the changing roles of social classes and minority groups, the experience of depression and reform attempts, and America's rise to global power, including relations with the Communist world. Students will identify ways to solve problems, make decisions, and participate as a responsible citizen of the United State, while developing basic tools of historical interpretation, research, and analysis.

### **American History IB (History of the Americas) 1 Credit**

**American History IB** is the first part of a two-year higher level IB history course that explores the history of the Western Hemisphere. The countries of the Americas form a region of great diversity but close historical links. The course covers major developments in the region from around 1760 to 2000: independence movements, the challenges of nation-building, the emergence of the Americas in global affairs, the Great Depression, the Second World War and the Cold War and their impact on the region. Political, economic, social issues, and, when relevant, cultural aspects are considered. Special attention is given to U.S. history from 1865 to the present and to U.S. interaction with Cuba and Mexico. **IB Certificate students must remain in this class for the first year.**

### **Modern World History IB (20<sup>th</sup> Century Topics) 1 Credit**      **Prerequisite: Am. History IB**

**Modern World History IB** is the second year of the IB higher level sequence. The focus is on 20<sup>th</sup> century world history topics, especially those related to the rise and rule of single party states; the causes, practice, and effects of war; and the Cold War, including its expansion from Europe into Asia and Latin America. The effects of European social, political, and economic developments on international relations and diplomacy will be covered. The effects of European social, political, and economic developments since 1848 on international relations and diplomacy will be reviewed. Twentieth century issues across the globe will be related to the crises in Europe, Latin America, and Asia. Students will complete an individual historical investigation. Students must take the IB

history examination at the end of the course.

**World Geography IB 1 Credit**

**World Geography IB** is a one-year study which focuses on population studies, food production and supply, urbanization, environmental studies, and economic development. Students will be introduced to the nature and scope of geography, physical characteristics of the earth and basic place geography.

**Economics IB 1 Credit**

**Economics IB** is a one-year course that will give students an understanding of economic systems, the generation of wealth, and the distribution of goods. Students will examine how economies allocate scarce resources among competing activities in an efficient manner. Economic theory, models, empirical analysis, positive and normative analysis will provide students with an understanding of how markets, labor forces, economies function, fluctuate, and evolve.

**Sociology 1 Credit**

**Sociology** will examine how people behave in groups and how group interaction shapes both individual and group behaviors. Students will analyze the rules, organizations, and value systems that enable people to live together. Techniques for gaining information on group behavior through case studies, surveys, and questionnaires will be taught. Elements of social tension such as prejudice and discrimination will be studied. Application will be stressed.

**Theory of Knowledge I IB 1 Credit Prerequisite: IB Diploma Candidate**

**Theory of Knowledge I IB** - How do you know it's true? It's a common enough question and one that is at the heart of Theory of Knowledge I, a required course for IB Diploma candidates in their junior year. Knowledge Theory I will have students addressing questions about knowledge and opinion, truth and theory, thought and belief in an effort to sharpen their thinking abilities.

**Theory of Knowledge II IB 1 Credit Prerequisite: IB Diploma Candidate**

**Theory of Knowledge II IB** is a required course for IB Diploma seniors. Students will receive guidance in the construction of their extended essays and TOK essays. They will also receive college application assistance and help in completing the internal assessments for their IB courses.

**Science**

**Physical Science 1 Credit**

**Physical Science** has three components: science, mathematics, and technology. Students will receive intensive math and science integration in a laboratory setting. Skills targeted are lab inquiry skills, including experimental design, graphical analysis of data, use of the periodic table and other science and mathematical tables, manipulation of algebraic expressions, activities involving simple ratios, and development and completion of a research project using the scientific method. First semester is an introduction to chemistry. Second semester is an introduction to physics. Students must have a scientific calculator.

**Biology I**                      **1 Credit**

**Biology I** is a course which provides a fundamental overview of living things. Labs are an integral part of the class. It is taught thematically with an emphasis on evolution, genetics, homeostasis, and the unity and diversity of living things.

**Biology II**                      **1 Credit**

**Biology II** is a forensic science that is designed for students who have a strong interest in biology and the desire to think critically. The course will introduce students to the application of science to law. Topics of study will include: crime scene analysis, types of evidence, fingerprints, hair, fibers, toxicology, trace evidence, blood, DNA analysis, human remains, soil analysis, glass, document and handwriting analysis and facial reconstruction. Students will work in teams to solve problems using scientific knowledge and reasoning. This class will be hands-on, applied biology. This course has a separate lab fee.

**Biology II IB**                      **1 Credit**

**Biology II IB** is the first year of a two-year study of biology at the higher level for IB students. It is open to IB certificate students as space permits. Biology II IB is organized around four central themes: structure and function, universality versus diversity, equilibrium within systems, and evolution. Topics covered will include: cells, chemistry of life, nucleic acids and proteins, cell respiration and photosynthesis, genetics, classification and diversity, plants, ecology, and human health and physiology. Students will learn the practical skills of experimental science and analysis and become familiar with the IB assessment of lab work.

**Biology III IB**                      **1 Credit**                      **Prerequisite: Biology II IB**

**Biology III IB** is the second year of the two-year HL Biology course. The course will continue to explore the topics from the first year in a sequence which mirrors a first-year college biology course. Students may earn college credit through the IB examination. All students will complete a laboratory portfolio with showcases 60 hours of lab work and participation in a 10-hour Group 4 project. Students will take the IB Biology exam at the end of the year.

**Chemistry**                      **1 Credit**                      **Prerequisite: Enrolled in Algebra II or Higher**

**Chemistry** is a course in which students will learn the facts, formulas, and principles that compose the language of chemistry. It is an introduction to a variety of chemical topics including scientific measurement and problem-solving, physical and chemical changes, atomic theory and structure, formula writing, chemical reactions and equations, stoichiometry, states of matter, chemical bonding, solutions, equilibrium, acids and bases, oxidation-reduction reactions, and electrochemistry. Emphasis is placed on laboratory experiences. Students must have a scientific calculator (no graphing calculators allowed).

**Physics**                      **1 Credit**                      **Prerequisite: Completion of Algebra II or Higher**

**Physics** is an elective course recommended for all students who are interested in improving problem solving and critical thinking skills. The course has a heavy lab component. Students may expect to complete one or more extensive projects during the school year. Students must have a scientific calculator.

**Physics I IB**                      **1 Credit**

**Physics I IB** is the first part of a two-year program. The first year includes an introduction to mechanics, thermal physics, waves, electricity and magnetism, and quantum and nuclear physics. During the second year, each of these topics is expanded to include advanced conceptual development. Two extensions are included; these may be based on student interest. The course



**French I****1 Credit**

**French I** is an introduction to the French language and culture. Emphasis will be on vocabulary, grammar, reading, and writing as well as the development of pronunciation, speaking, and listening skills.

**French II****1 Credit****Prerequisite: French I**

**French II** will enhance and develop skills learned in French I. The class will include advanced grammar, advanced vocabulary, and additional verb tenses, as well as increased conversation and composition skills.

**French III****1 Credit****Prerequisite: French II**

**French III** is an advanced course in which communication and reading skills will be further developed. Special emphasis will be placed on both written and oral communication.

**French IV IB****1 Credit****Prerequisite: French III**

**French IV IB** is an advanced level language class, which stresses written and oral communication and is centered on the themes of groups, change, and leisure. Students may enroll as IB certificate students at the standard or higher level with the approval of the teacher and IB coordinator.

**French V IB****1 Credit****Prerequisite: French IV IB**

**French V IB** is an advanced level course that expands the themes of groups, leisure, and change, through literature and cultural readings. The ability to understand and to communicate with native speakers in real life situations is the main objective of the class. This course will prepare students for the International Baccalaureate standard level or higher level examination.

**Spanish I****1 Credit**

**Spanish I** is an introduction to the Spanish language and culture. Emphasis will be placed on vocabulary, grammar, reading, and writing. Special attention will be given to the development of pronunciation, speaking, and listening skills.

**Spanish II****1 Credit****Prerequisite: Spanish I**

**Spanish II** will enhance and develop skills learned in Spanish I. The class will include advanced grammar, advanced vocabulary, and additional verb tenses, as well as increased conversation and composition skills.

**Spanish III****1 Credit****Prerequisite: Spanish II**

**Spanish III** is an advanced course in which communication and reading skills learned in Spanish I and II will be further developed. Special emphasis will be on written and oral communication based on literature and cultural readings.

**Spanish IV IB****1 Credit****Prerequisite: Spanish III**

**Spanish IV IB** is an advanced level language class that stresses written and oral communications and is centered on the themes of groups, change and leisure. Students may enroll as IB certificate students at the standard or higher level.

**Spanish V IB****1 Credit****Prerequisite: Spanish IV IB**

**Spanish V IB** is an advanced level course that expands the themes of groups, leisure and change through literature and cultural readings. The ability to understand and to communicate with native



within social contexts.

## **Visual and Performing Arts**

### **Fine Arts Survey**

**1 Credit**

**Prerequisite: Grades 9 & 10 Only**

**Fine Arts Survey** is designed to increase students' understanding and enjoyment of the arts as well as provide exposure to the arts from other parts of the world. Visual and performing arts will be explored through historical review, investigation of the creative process, aesthetic perception, and significance and importance to contemporary society as well as an overview of the arts from other cultures. The course will discuss music, dance, theater/film, visual arts, and architecture. This course will satisfy the TOPS core requirement for fine arts.

### **Art I**

**1 Credit**

**Art I** is an introduction to the visual arts. It is open to 9<sup>th</sup> and 10<sup>th</sup> grade students (with preference given to those in grade 9) who are interested in exploring the world of art. Students will learn about the elements of art while experiencing a variety of media. Students will begin to develop a personal portfolio.

### **Art II**

**1 Credit**

**Prerequisite: Art I**

**Art II** is an intermediate level visual arts exploration. Design principles will be emphasized. This course is open to all high school students. A variety of media will be available for students to experience. Students will continue to develop a personal portfolio.

### **Art III**

**1 Credit**

**Prerequisite: Art II**

**Art III** is a more advanced course for those students desiring further art knowledge and experience in the visual arts. Students will continue to develop a personal portfolio.

### **Art IV**

**1 Credit**

**Prerequisite: Art III**

**Art IV** is an advanced level visual arts course. Portfolio development, independent research, and service learning are the major components of the course.

### **Art III IB**

**1 Credit**

**Art III IB** is the first of a two-year study at the standard or higher level for students in the IB Diploma Program. Students not in the Diploma Program may enroll in the class as IB certificate students. The art teacher and IB coordinator must recommend higher level students. This class is a more advanced course for those students desiring further knowledge and experience in the visual arts. The study of a college-level art history textbook and art productions are required.

### **Art IV IB**

**1 Credit**

**Prerequisite: Art III IB**

**Art IV IB** is the second of a two-year study designed for highly motivated students who are interested in art history and aesthetics as well as art criticism and production. It requires college level art research plus a culminating art exhibition in the spring, which is evaluated by an external juror.

### **Film I & II IB**

**1 Credit**

**Film** is a two-year course that fulfills the group six elective requirements for the IB Diploma

Program. It examines the history, theory, and structure of movies. Students construct their own film as a major part of the course.

**Band** and **Choir** are open to any student and can be started at any grade level with the approval of the Band or Choir Director. Up to four credits can be earned in Band or Choir. Students are required to attend all scheduled after school events that include concerts, festivals, sectional rehearsals, and similar events. **Band** and **Choir** emphasize performance of music, sight reading, and attention is given to music history, theory, and style as it relates to the literature being studied and performed. Students are required to buy or rent the appropriate concert attire.

**Advanced Band**                      **1 Credit**                      **Prerequisite: Music Teacher Approval**

**Advanced Band** has two components – marching band and concert band. Band is primarily performance based and includes elements of music theory, history, appreciation, and sight reading as it relates to band. After school and weekend commitments are required as listed in the syllabus. Previous experience on a band instrument is required. Uniforms are provided and students must purchase the proper marching/concert shoes. There will also be a band camp before school starts in the fall. Concert and marching performances are required.

**Jazz Band**                                      **1 Credit**                      **Prerequisite: Music Teacher Approval**

**Jazz Band** includes jazz techniques as they relate to individual instruments, history, and listening skills. Students are expected to learn how to improvise. Concert attendance is required.

**Music IB**    **1 Credit**                      **Prerequisite: IB Music Teacher Approval**

**Music IB** is designed to give students the opportunity to explore and enjoy the diversity of music throughout the world. The course will encourage students to develop perceptual skills through a wide range of musical experiences, where they will learn to recognize, speculate, identify, discriminate, and hypothesize in relation to music. Students will be exposed to a broad spectrum of music from both Western and non-Western societies. This course is taken concurrently with Advanced Band or Advanced Choir to satisfy the group performance requirement.

**Beginning/Intermediate Choir**                      **1 Credit**                      **Prerequisite: Music Teacher Approval**

**Beginning/Intermediate Choir** is open to 9<sup>th</sup> and 10<sup>th</sup> grade students. No audition is required. Performance requirements are 3 to 4 concerts per year. The student must purchase concert attire. This is the entry-level choir.

**Advanced Choir**                                      **1 Credit**                      **Prerequisite: Audition, Music Teacher Approval**

**Advanced Choir** is the highest level of mixed voice choir. More advanced literature and more frequent performances are experienced in this choir. This course is for juniors and seniors only. Students must be able to sing alone or in group. The majority of the music is sung acappella. The student must purchase concert attire.

**School Service**

**School Service** is open to juniors. Students enrolled in School Service are assigned to teachers as assistants at a designated time. Teachers are responsible for recording and reporting absences as in regular classes.

## **International Baccalaureate Diploma Program**

### **Diploma Students**

The IB Diploma Program is a two-year program open to academically committed and highly motivated juniors and seniors who take six IB subjects, perform 150 hours of creativity, action, and service (CAS), and write a 4,000 word extended essay. They must also take Theory of Knowledge I and II. Diploma Candidates are required to select one subject from each of the six areas. At least three of the IB courses must be taken at the higher level (HL), while the others may be taken at the standard level (SL). At the end of their courses, Diploma students take the IB external examinations, which are scored on a 1-7 scale. At least 24 points are required to earn the IB Diploma. Application to the Diploma Program takes place in January of the sophomore year. Examination fees are paid over three semesters.

### **Certificate Students**

Students who are not in the Diploma program may enroll as **certificate** students in individual IB courses as class space allows. All certificate enrollments require teacher recommendation. Two-year IB courses require a two-year enrollment commitment. Certificate students are expected to fulfill all of the IB requirements for their courses. Those enrolled in higher level (HL) courses are required to sit for the IB external examinations at the end of each course. Passing scores on these examinations produce advanced college credit, which varies according to the institution. Students enrolled in standard level (SL) courses may choose to sit for the external examinations, but are not required to do so because colleges less frequently award advanced standing for passing scores on SL examinations.

**Examination fees will be charged to all students enrolled in HL courses and to students enrolled in SL courses who choose to take the IB external exams.** The cost for the first exam is approximately \$225, and each additional exam is approximately \$90.

### **IB courses have a weighted grade point average.**

The weighted grades for IB courses and for Calculus AP are as follows:

$$A = 5.0 \quad B = 4.0 \quad C = 3.0 \quad D = 2.0$$