

INDIAN  
PRAIRIE  
SCHOOL  
DISTRICT 204



METEA VALLEY  
NEUQUA VALLEY  
WAUBONSIE VALLEY

# 2012

HIGH SCHOOL  
COURSE CATALOG  
& PLANNING GUIDE

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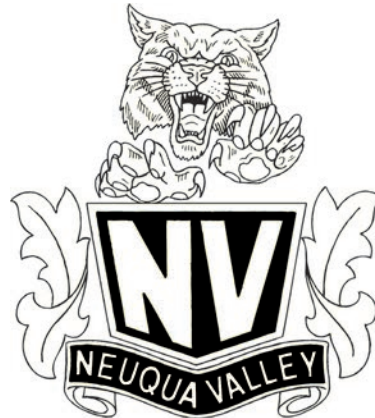
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This Course Catalog & Planning Guide reflects the most up-to-date information as of December 2012. Depending upon class, changes and requirements vary. Sophomores through seniors should consult with a guidance counselor. An online version of this catalog will be maintained and updated on the district website as the official Course Catalog and Planning Guide.

## DEAR PARENTS OF INCOMING FRESHMEN,

The transition between 8<sup>th</sup> and 9<sup>th</sup> grade is a significant one. It is normal to feel some anxiety about moving from middle school to high school. Students and parents often experience the same emotions: Excitement, tempered by curiosity and caution. Every year high school leaders look at what we do to make that transition successful and confer with the middle schools to try to improve the process. We have asked parents who have one or more students at District 204 high schools to think about what advice they would give to parents of incoming freshmen or to the freshmen themselves. Here is what they said:

*“Even though the school seems big, don’t be afraid to call the teachers or their department chairs with a concern. They really want to help with your personal concern and will appreciate the call.”*

*“It really helped my three kids to get involved in a fall sport or activity. In sports they start before the school year and it gives them a chance to make friends and break the ice.”*

*“I tried to be aware of my kids’ friends and help them pick positive influences. Peer influence makes a big difference.”*

*“Communication. Call the school because no question is too small. Talk with other parents, too, and network with them.”*

*“Clear your schedule because you need time and emotional energy for what’s going on with your teen.”*

*“Parents should stay involved and engaged with their kids even though teens are more independent.”*

*“Don’t be naïve or over-accusatory. Your kids face the same temptations as everybody else’s. It’s easy to break a trust and hard to rebuild it.”*

*“Kids should be involved in activities at school, not preoccupied with working. Working doesn’t teach them how to manage money. It often allows them to learn how to waste it.”*

*“Don’t believe stories about how lenient other parents are. If in doubt, call other parents.”*

*“If students have the ability, they should take the challenging classes. Be realistic. Don’t take the easiest path.”*

We wish you well in your own adjustment to the high school experience and hope these bits of practical advice from fellow parents will help you.

Sincerely,

**James A. Schmid**, Principal, *Metea Valley High School*

**Robert McBride**, Principal, *Neuqua Valley High School*

**Kristine Marchiando**, Principal, *Waubonsie Valley High School*

## GRADUATION REQUIREMENTS

Under normal circumstances, a student will be expected to spend four years in meeting graduation requirements. In order to graduate, a student will be required to earn the following units of credit during his/her secondary school experience in grades 9-12. The overall school program fulfills the requirements of the State of Illinois and the Illinois State Board of Education.

District 204's graduation requirements should not be confused with nor considered as college admission requirements.

### GRADUATION REQUIREMENTS

English <sup>1</sup> .....	4.0 credits
Mathematics <sup>2</sup> .....	3.0 credits
Science.....	3.0 credits
Social Studies <sup>3</sup> .....	2.5 credits
Consumer Education <sup>4</sup> .....	0.5 credits
Physical Education <sup>1</sup> .....	3.5 credits
Health .....	0.5 credits
Driver Education.....	0.5 credits
Elective <sup>5</sup> (ART, MUSIC, FOREIGN LANG, ETC).....	0.5 credits
Vocational <sup>5</sup> .....	0.5 credits

<b>BASIC REQUIREMENTS SUBTOTAL</b> .....	18.5
Additional Elective Credits.....	5.5

**TOTAL CREDITS REQUIRED** ..... 24  
**CLASS OF 2014 AND BEYOND**

For the classes of 2012–2013 the total number of credits required is 23. This reflects a 2-year rather than a 3-year science credit.

- 1) To meet the physical education requirement and English requirement, a student must be registered in physical education and English for each semester of attendance.
- 2) The state requirement for mathematics includes one year of Algebra 1 and one year of Geometry content.
- 3) The social studies requirement includes 1 unit of either Honors World History, World Geography, AP Human Geography or AP World History, 1 unit of U.S. History (this includes four options: American Society, American Studies, U.S. History or AP U.S. History), and 1 semester of U. S. Government.
- 4) The consumer economics State requirement is fulfilled by taking Consumer Economics (including Online Consumer Economics), or AP Macroeconomics.
- 5) State graduation requirement is one credit (two semesters) chosen from music, art, world language, or career and technical education.

**EARLY GRADUATION** The opportunity for early graduation is provided for students in the senior year and at the end of the junior year. Seniors must apply for early graduation before November 15, which, if approved, allows for non-attendance in the eighth semester of high school. Mid-year graduates must complete the first semester. Juniors must apply for early graduation before January 15, which, if approved, allows for non-attendance in their senior year of high school. Written application must be made to the student's counselor, stating reasons for the request for early completion. Requests for early graduation submitted at winter break will not be honored. The application must include a parent's signature. Students graduating early must complete all graduation requirements. Only students who complete the 8th semester are eligible for senior honors (e.g. Departmental Outstanding Senior).

**GRADUATION HONORS** At graduation, students will be honored for academic success using the Latin Honor System which includes designations of Summa Cum Laude for a GPA of 4.5 and above, Magna Cum Laude for a GPA of 4.2-4.49, and Cum Laude for a GPA of 4.0-4.19. Also, any student with a cumulative grade point average of 3.60 or above, after his or her sixth or seventh semester of school, will be named an Indian Prairie Scholar. In order to qualify for the award, students must be full-time students in District 204. Students who receive significant modifications to course work that substantially change course standards are ineligible for this award

### STATE AND FEDERAL CONSTITUTION EXAM REQUIREMENTS

Students must pass these exam requirements in social studies in order to graduate.

### COMMUNITY SERVICE GRADUATION

**ENDORSEMENT** All students are encouraged to complete an approved practicum of community service. Those who complete 30 hours of community service will have that accomplishment noted on their official transcript. See counselors for verification forms, details, and ideas for service opportunities and to have service noted on the transcript.

**WEIGHTED GRADES** Indian Prairie School District weights the grades earned in certain high school classes. Grades from the following courses are given 1.0 extra weight:

English 1 Honors	Honors World History
English 2 Honors	AP U.S. History
English 3 AP	AP European History
English 4 AP	AP Psychology
	AP Government & Politics
Honors Chambers Strings	AP Human Geography
Honors Varsity Singers	AP World History
Honors Wind Ensemble	
AP Music Theory	Honors Chinese 4
	AP French
AP Micro Economics	AP German
AP Macro Economics	AP Spanish
Honors Accounting 2	
Virtual Enterprise International	AP Studio Art
	AP Art History
Honors Geometry	Auto Servicing
Honors Algebra 2/Trig	Intro. to Engineering and Design
Honors Precalculus	Digital Electronics
AP Statistics	Civil Engineering and Architecture
AP Calculus	
AP Computer Science	
Calculus 3	
Honors Biology	
Honors Chemistry	
Honors Physics	
AP Physics	
AP Chemistry	
AP Biology	
AP Environmental Science	

**ADVANCED PLACEMENT (AP) AND HONORS COURSES** Honors and Advanced Placement course work is accelerated, more sophisticated, and demands a high level of independent effort within a compacted time frame; therefore, each department that offers courses with weighted grades has developed recommendations for student success. These benchmarks are indicators of performance levels or standards for the courses and are available from departments offering classes with weighted grades. These benchmarks often include standardized test scores, teacher recommendation, and grades in previous courses.

## COLLEGE ENTRANCE REQUIREMENTS

### STATEWIDE ADMISSION REQUIREMENTS

The Illinois State Board of Higher Education has adopted minimum subject requirements for public colleges and universities in an effort to help high school students improve their academic preparation for baccalaureate degree programs. *We strongly recommend that students take courses to meet these requirements.*

Individual public universities and community colleges may have other subject requirements in effect as well as requirements involving test scores and grade point averages. Some high school courses may not meet college entrance requirements. Applicants must contact each college or university individually for details about all of its requirements.

The following high school subjects are typically required of freshmen entering community college transfer programs and public universities.

Requirements vary. Check with the University

### RECOMMENDED PUBLIC COLLEGE/UNIVERSITY REQUIREMENTS

SUBJECT	UNITS
English .....	4.0
Social Studies .....	3.0
Mathematics .....	3.0
Science.....	3.0
Laboratory sciences	
World Language, Music, Art, or Vocational Education.....	2.0

## COLLEGE ATHLETIC GUIDELINES

Students who wish to participate in college athletics, have a variety of options. Please visit each association's website for eligibility requirements. Students should see their coach, counselor, or the College and Career Center for further details.

ONCE AT THE WEBSITE ENTER THE APPROPRIATE SCHOOL CODE:

Metea Valley High School.....	140-187
Neuqua Valley High School.....	143-108
Waubonsie Valley High School.....	140-184

## DEFINITIONS AND PROCEDURES

**CREDIT EARNED** All credit is awarded on a semester basis. Students may not sign up for only one semester of a full year course unless they are repeating due to failure.

**COURSE LOAD** The maximum course load per semester will be seven courses. The minimum course load is six courses per semester. Course loads of less than the minimum are not approved except when students are beyond their eight semesters of attendance or in case of serious student or family illness.

**COURSE AVAILABILITY** Since courses are offered based on economic factors and sufficient enrollment, the semester in which a ½ unit course shall be offered will be determined after pre-enrollment.

**EARLY DISMISSAL/LATE ARRIVAL** Seniors who have sufficient credits, and whose courses can be arranged during *initial scheduling* to fit these special requests, may elect to have early dismissal or late arrival. Written parental permission and counselor approval are required for these options.

**SCHEDULE CHANGES** Staffing decisions are based on students' course requests made during the registration process. For that reason, students are urged to consider their selections carefully. No changes will be made to accommodate requests for specific teachers or periods. *The deadline for schedule changes is printed on the registration form.* Only changes that impact the student's ability to graduate on time will be made after that date.

**WITHDRAWAL FROM A COURSE** All high schools encourage students to complete the courses they start; however, in the event a student wishes to withdraw from a course, the following guidelines will be used.

### DAY 1-12

*Students may withdraw from a course and replace it with an Option Period, Study Hall, or Access. No notation will appear on transcript.*

### DAY 13 – WEEK 8

*Student may withdraw from course with parent permission. The transcript will reflect a NG (no grade). Student will receive an Option Period, Study Hall or Access.*

### WEEK 9 – END OF SEMESTER

*Student may withdraw from course with parent permission. The transcript will reflect an "F" grade. Student will receive an Option Period, Study Hall or Access.*

**OUTSIDE COURSEWORK** Students may take outside coursework for graduation requirements and electives. Prior approval from the student's high school guidance department is required for all coursework in the following categories: correspondence, online, or summer courses. A maximum of 2.0 credits of outside coursework will be accepted during four years in high school. Courses taken outside of the district and approved will receive credit, but will not be counted toward the student's GPA. They will be designated as "Credit" (CR) or "No Credit" (NC) on the transcript. Please note that district online coursework is not included in the 2.0 credit limit, as it aligned with the curriculum and course content of currently offered courses.

**D204 ONLINE COURSES** District 204 offers online classes as part of an initiative to prepare students for future learning opportunities in college, the military, or the workplace. The district's online courses are taught by district teachers, and they mirror traditional courses in content, activities, and examinations. Daily or weekly homework may be assigned, yet they offer flexibility for learning that meets the student's need to personalize when and where they study. For specific courses offered in this electronic format, see the course descriptions in this guide.

**REPEATING A COURSE** A student may elect to repeat a course in order to increase mastery of the material. The course must be retaken prior to taking the next course in the department's sequence. Both courses will be listed on the transcript. When a student retakes the identical class in District #204, the better grade will be calculated as part of the student's GPA. The lesser grade will be given a *No Grade* designation. In the event the student enrolls in a course offered by an accredited institution outside of District #204, the class must be pre-approved as a substitute by the Director of Guidance. These courses may be substituted for credit replacement, but the grade will not be calculated as part of the student's GPA.

**GRADE TRANSFER POLICY** When a student transfers from another high school, only courses that we currently weight in our curriculum will be weighted. We accept the previous school's letter grades as the official grades; we will not convert the letter grades to our grading scale. If a student transfers in with numerical grades accompanied by scaled letter grades, we will use the school's scale. If there are no scaled letter grades, then we will use our grading scale. For student's entering from a foreign country, all grades will be noted as Credit (CR) or No Credit (NC) and comparable credit given for each course. No GPA or rank will appear on the transcript until the student completes a semester of course work in our high school. Home school and private school credit will be evaluated using the criteria established in Board Policy 705.2-R.

**LATE ENROLLMENT** Students enrolling without current transfer grades from the 21st attendance day through the end of the semester will earn no credit.

**GRADING SCALE** All three high schools use the above grading scale based on percentages.

- A = 91–100%
- B = 81–90%
- C = 71–80%
- D = 65–70%
- F = BELOW 65%

## OFF-CAMPUS COURSES

### CAREER AND TECHNICAL COURSES

#### TECHNOLOGY CENTER OF DUPAGE

*Grade 11-12* 1.5 credits per semester. District 204 is a member of the DuPage Area Occupation System (DAOES). This membership allows us to access the services of the Technology Center of DuPage (TCD). TCD provides a comprehensive vocational-technical education for high school students whose career objectives are related to vocational-technical fields. This course of study requires a year-long commitment by the student. Transportation is provided by the district. Fees for programs may be applicable billed through the Technology Center of DuPage.

Participation in TCD courses is limited due to enrollment and financial factors. Not all students who request these classes will be admitted to the

program. Since the district is making an additional financial expenditure, those students with the greatest likelihood of successfully completing the program will be selected. Applicants will be screened with regard to normal progress toward graduation, regular attendance, punctuality, self-discipline, demonstrated motivation, and teacher-counselor recommendations. Students should see their counselors for details.

#### PROGRAMS OFFERED THROUGH TECHNOLOGY CENTER OF DUPAGE ARE:

Construction Trades	Automotive Technology
Landscape Design & Management	Cosmetology
Computer Information Systems	Culinary Arts
Data Entry Occupations	Pastry Arts
Office Systems Technology	Hospitality Management
Graphic Communication	Early Childhood Education
Multi-Media & Television Production	Introduction to Engineering & Design
Certified Nurse Assistant	Principals of Engineering
Criminal Justice	Civil Engineering & Architecture
Fire Science	Engineering Design & Development
Medical and Health Care Careers	HVAC & Refrigeration
Auto Body Repair	Residential Wiring & Home Technology

### EAST AURORA BUILDING TRADES PROGRAM

#### TEE3009 CONSTRUCTION TRADES

*Grade 11-12* This 3 hour course will consist of on-site construction of a house. Students will participate in all phases of carpentry, wiring, plumbing, concrete work, heating, and other aspects of house construction. Transportation to the work site is not provided. 4034 Introduction to Construction is a prerequisite to this course. This course is offered through a partnership with Aurora East High School District 131. Construction sites will be in the Aurora area. Students must have their own medical insurance or purchase a school insurance plan. The student will be required to provide a hammer, tape, tool belt, work boots, utility knife, and other tools.

# ART

Don Devany, *Department Chairperson – MVHS*  
 Charles Staley, *Department Chairperson – NVHS*  
 Will Burck, *Department Chairperson – WVHS*

The District 204 Art Program seeks to provide a variety of experiences in the visual arts that enable our students to appreciate and enjoy art; to help guide life and career choices they will make during their high school tenure; to prepare them for further study in art; and to increase their understanding of an increasingly visual world. In most art classes, students will make projects that can be taken home. There is a material fee associated with such classes payable at the start of class.

## ART COURSE LISTINGS

### COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
ART1001	2D Art and Design	Sem. 9-12	None
ART1004	3D Art and Design	Sem. 9-12	None
ART2000	Printmaking	Sem. 10-12	Minimum of one semester of art
ART2002	Computer Graphics 1	Sem. 9-12	None
ART2015	Computer Graphics 2	Sem. 9-12	Computer Graphics 1
ART1015	Drawing 1	Sem. 9-12	None
ART2003	Drawing 2	Sem. 10-12	Drawing 1
ART2005	Drawing 3	Sem. 10-12	Drawing 2
ART2007	Painting 1	Sem. 10-12	Drawing 1 plus one additional semester of art
ART2009	Painting 2	Sem. 10-12	Painting 1
ART1017	Ceramics 1	Sem. 9-12	None
ART2010	Ceramics 2	Sem. 10-12	Ceramics 1
ART2012	Ceramics 3	Sem. 10-12	Ceramics 2
ART2014	Jewelry	Sem. 10-12	Minimum of one semester of art
ART3000I	Art Independent Study (AIS)	Sem. 11-12	Minimum of 4 semesters of art, and Instructor's approval with portfolio review
ART3002A	AP Studio Art	Yr. 12	Mandatory Teacher Recommendation
ART3003A	AP Art History	Yr. 9-12	None

### DUAL CREDIT WITH COLLEGE OF DUPAGE

Students enrolled in the following courses may apply to earn dual credit with COD. High school students who wish to take the course listed below for dual credit will receive college credit and a COD transcript regardless of whether or not they continue at College of DuPage. These credits may be transferable to other institutions. All dual credit opportunities are pending an agreement between IPSD and COD. To qualify for dual credit, students must complete appropriate applications and placement testing as required by COD. Freshmen are not eligible for dual credit.

#### COURSE COMPLETED AT MVHS, NVHS, WVHS

**COMPUTER GRAPHICS I: COURSE ART2002D**  
 In order to be eligible for dual credit, students must complete this course in addition to Visual Media Course BUS1033D offered through the Business Department. Courses do not have to be taken concurrently.

#### CREDIT AT COD

**GRAPHIC ARTS TECHNOLOGY 1102**  
 Intro to Graphic Publishing Applications (3 hrs. credit)

## ART COURSE DESCRIPTIONS

All Art Courses are one semester with the exception of AP Studio Art and AP Art History which are year long. Level 2 or 3 courses require successful completion of a previous level.

### **ART1001 2D ART AND DESIGN** *Grade 9-12.*

This is a semester introductory level course for high school art. Students will learn how to utilize the elements and principles of design, while being exposed to a variety of materials and techniques. Students will focus on developing and refining these skills in the areas of drawing, painting, printmaking and a variety of other two-dimensional art media. This course is a preferred starting point for freshmen. A project fee is charged.

### **ART1004 3D ART AND DESIGN** *Grade 9-12.*

This is a semester introductory level course for high school art. Students will learn how to utilize the elements and principles of design, while being exposed to a variety of materials and techniques. Materials may include but are not limited to: clay, wire, plaster, and a variety of other three-dimensional art media. This course is a preferred starting point for freshmen. A project fee will be charged.

### **ART2000 PRINTMAKING** *Grade 10-12.*

*Prerequisite is at least one semester of art (2D Art and Design).* This course allows students to expand their knowledge of art-making into the realm of multiple copies, known as "prints". Printmaking touches upon both painting and drawing with processes such as silkscreen, etching and relief printing. In addition to producing original artworks having a completely unique look; students may be introduced to the commercial aspects of printing via T-shirt or greeting card projects. A project fee will be charged

### **ART2002 COMPUTER GRAPHICS 1** *Grade*

*9-12.* This semester course exposes students to the skills and concepts necessary to utilize Adobe Photoshop in a comprehensive manner. In addition, students receive instruction in Adobe Illustrator. Image editing, creation, printing, typography, scanning, and color correction will also be included. This foundation course allows for future study of the individual software programs used in the graphic, imaging, and publishing

industries. This course is eligible for dual credit through COD when taken in conjunction with Visual Media through the Business Department. This course can be used for a vocational credit. A project fee will be charged.

### **ART2015 COMPUTER GRAPHICS 2** *Grade*

*9-12.* This semester course is a course with emphasis on creative problem-solving and visual literacy/communication skills of a commercial art nature. Students will add the vector-based Adobe Illustrator software program to their bank of skills while continuing to create original art products. \*This course can be used for a vocational credit. A project fee will be charged.

### **ART1015 DRAWING 1** *Grade 9-12.*

This semester course provides the student with the basic understanding of the elements of art and principles of design. Emphasis will be placed on basic drawing skills and perception while creating artwork in a variety of media. A project fee will be charged.

### **ART2003 DRAWING 2** *Grade 10-12.*

This semester course provides the student with exposure to different media while continuing technical skill development, perception, skills, and creative problem solving. A project fee will be charged.

### **ART2005 DRAWING 3** *Grade 10-12.*

This semester course is for the advanced student and places emphasis on increasing drawing skills and expanding creative ideas. This course will also help students create projects for future portfolio review. A project fee will be charged.

### **ART2007 PAINTING 1** *Grade 10-12.*

*Prerequisite is Drawing I plus one additional course in art.* This semester course provides the student with the basic understandings of the tools, techniques, processes, and language associated with water-based paint media, including watercolors and acrylics. Students will synthesize these understandings into individual paintings and media studies. A project fee will be charged.

### **ART2009 PAINTING 2** *Grade 10-12.*

This semester course provides the continuing student with further study of paint media including watercolor, acrylics, and oils. It will intro-

duce new materials and approaches and provide contexts for individual projects. Emphasis is placed on design composition, color theory, and conceptual thought processes involved in creating complex, interesting paintings. A project fee will be charged.

**ART1017 CERAMICS 1** *Grade 9-12*

This semester course focuses on creative problem solving through the manipulation of clay. It stresses understanding the nature of clay through basic hand-building techniques and methods; use of ceramic finishes such as glazes, and also includes firing processes, equipment, and vocabulary. A project fee will be charged.

**ART2010 CERAMICS 2** *Grade 10-12.*

This semester course introduces students to basic wheel throwing and more advanced hand-building and glazing techniques. A project fee will be charged.

**ART2012 CERAMICS 3** *Grade 10-12.*

This is an advanced course stressing problem-solving using advanced wheel-throwing and hand building techniques. Emphasis is placed on developing the student as an artist who communicates ideas through the medium of clay. A project fee will be charged.

**ART2014 JEWELRY** *Grade 10-12.*

*Prerequisite is a minimum of one semester of any art course.* This course covers the basic techniques of jewelry making using a variety of materials possibly glass, wood, plastic, clay and metals. Students will become familiar with vocabulary terms and tools while creating small sculptures. A project fee will be charged.

**ART3000I ART INDEPENDENT STUDY (AIS)**

*Grade 11-12.* Prerequisites are four semesters of art courses and portfolio review by staff. This course is designed to meet the continuing artistic needs of the advanced art student. It is an individually directed study in a particular area of art agreed upon by both the student and teachers. This course requires a high degree of motivation and self-discipline and is to be offered only to students who qualify. A project fee will be charged.

**ART3002A AP (ADVANCED PLACEMENT)**

**STUDIO ART** *Grade 12. Year-long. Teacher recommendation.* This course is designed for students who are seriously interested in the practical experience of art. The course is organized as an intensive, Year-long, class requiring commitment in *quality* and *quantity* of work from the art student. AP Studio Art is not based on a written examination; instead, students focus on portfolio development, breadth of work and thematic concentration for evaluation at the end of the school year. It is vital that students plan far enough in advance to complete the portfolio on time. Students will be expected to work outside the classroom and beyond scheduled periods. Students will work independently in their area of concentration. Two-dimensional and three-dimensional artist portfolios are accepted. A project fee will be charged.

**ART3003A AP (ADVANCED PLACEMENT)**

**ART HISTORY** *Grade 9-12. Year-long. Weighted grade.* AP Art History is a chronological survey of artistic styles, artists, architecture, painting, sculpture and photography primarily of the western tradition with periodic introductions of non-western work from Africa, the Americas, Asia, the Near East, Oceanic and Islamic traditions. Emphasis is placed on the study of the development of style within cultures, eras and artists' careers. Students will develop knowledge of specific stylistic characteristics of various cultures as well as the terminology necessary to communicate a scholarly analysis of the works. In order to understand the similarities and differences that exist in our visual world, we will explore the symbolism, artistic processes and political, social, economic and scientific background of the artwork. Formal analysis using the art elements and design principles are specifically referenced to each art form. Central to the AP Art History course is the development of visual literacy, oral and written skills of comparative analysis, and the understanding of those works in historical and sociological context. This course requires a high degree of commitment and academic work as students should be engaged at the same level as a college level art history survey. Students who have done well in the history courses or studio arts are especially encouraged to enroll. This is a year-long course and prepares students for taking the AP Art History exam.

## BUSINESS

Jill Hlavacek, *Department Chairperson – MVHS*  
Jennifer Yavorski, *Department Chairperson - NVHS*  
Andrea Hendrickson, *Department Chairperson - WVHS*

The Business Department offers a variety of courses to prepare students for continued education and for development of personal and business skills. A modest materials fee will be assessed in those classes requiring extensive computer usage.

### BUSINESS COURSE LISTINGS

#### PROFESSIONAL COURSES

COURSE#	TITLE	LEVEL	RECOMMENDED PRIOR COURSE WORK INCLUDES
BUS1000	Business Orientation	Sem. 9-12	None
BUS3000	Advertising**	Sem. 9-12	Business Orientation, Marketing Technology, or Visual Media, Multimedia Innovation
BUS3002	Marketing**	Yr. 10-12	Business Orientation, Advertising, or Marketing Technology
BUS1002	Management	Sem. 11-12	Business Orientation
BUS3005	Business Law**	Sem. 11-12	None
BUS3007	Business Internship	Yr. 11-12	Approval of Business Internship Coordinator or Business Education teacher
BUS3020	Virtual Enterprises International (VEI)** †	Yr. 11-12	Two semesters of business courses

\*\* *These classes require a materials or workbook fee.*

† *Prerequisite.*

#### TECHNOLOGY COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
BUS1030	Essential Technology	Sem. 9-12	None
BUS1032	Marketing Technology	Sem. 9-12	None
BUS1033	Visual Media	Sem. 9-12	None
BUS1034	Emerging Technology	Sem. 9-12	None
BUS1031	eBusiness & Financial Technology	Sem. 9-12	None
BUS1036	Web Design	Sem. 9-12	None
BUS1035	Multimedia Innovations	Sem. 9-12	None

**BUSINESS COURSE LISTINGS (CONT'D)**

**FINANCIAL COURSES**

<b>COURSE#</b>	<b>TITLE</b>	<b>LEVEL</b>	<b>RECOMMENDED PRIOR COURSE WORK INCLUDES</b>
BUS2000	Business Mathematics	Sem. 10-12	Algebra 1 or 2 yrs. General Math
BUS2001	Accounting 1	Yr. 10-12	None
BUS3016H	Honors Accounting 2 †	Yr. 11-12	Accounting 1
BUS3017	Finance	Sem. 11-12	None

**COLLEGE/CAREER COURSES**

<b>COURSE#</b>	<b>TITLE</b>	<b>LEVEL</b>	<b>RECOMMENDED PRIOR COURSE WORK INCLUDES</b>
BUS1003	Notetaking & Study Skills **	Sem. 9-12	None
BUS3004	College Test Prep**	Sem. 11-12	None
BUS4001	Consumer Economics	Sem. 12	None, fulfills graduation requirement
BUS4001O	Online Consumer Economics	Sem. 12	None, fulfills graduation requirement
BUS4003A	AP Macroeconomics**	Sem. 12	None, fulfills graduation requirement
BUS4002A	AP Microeconomics** †	Sem. 12	AP Macroeconomics

\*\* *These classes require a materials or workbook fee.*

† *Prerequisite.*

**DUAL CREDIT WITH COLLEGE OF DUPAGE**

Students enrolled in the following courses may apply to earn dual credit with COD. High school students who wish to take the course listed below for dual credit will receive college credit and a COD transcript regardless of whether or not they continue at College of DuPage. These credits may be transferable to other institutions. All dual credit opportunities are pending an agreement between IPSD and COD. To qualify for dual credit, students must complete appropriate applications and placement testing as required by COD. Freshmen are not eligible for dual credit.

**COURSE COMPLETED AT MVHS, NVHS, WVHS**

**VISUAL MEDIA COURSE BUS1033D**

In order to be eligible for dual credit, students must complete this course in addition to Computer Graphics I: Course ART2002 offered through the Art Department. Courses do not have to be taken concurrently.

**CREDIT AT COD**

**GRAPHIC ARTS TECHNOLOGY 1102**

Intro to Graphic Publishing Applications (3 hrs. credit)

**BUSINESS COURSE DESCRIPTIONS**

**BUS1000 BUSINESS ORIENTATION** *Grade 9-12.* This one-semester course introduces students to the world of business. Topics covered include types of business ownership, marketing, accounting, human resources, management, finance, ethics, and

economics. These concepts are presented through classroom discussion and project-based learning. Students are encouraged to take this course prior to further study in business such as Management, Accounting, Marketing, and Advertising.

**BUS1003 NOTETAKING & STUDY SKILLS**

*Grade 9-12.* This course is designed for students desiring to learn a more efficient and effective way

of studying. Reading and note taking strategies are main focuses of the course as well as techniques provided to develop listening skills, study skills, test-taking skills, improve memory and vocabulary. Synergy, organizational skills, and time management techniques are discussed and applied throughout the course (such skills can be used by all students whether they are career or college bound).

**BUS3004 COLLEGE TEST PREP** *Grade 11-12.*

This course is designed for junior and senior students desiring improvement in reading, vocabulary, grammar, math, and science skills. Emphasis is placed on improving test-taking skills and learning techniques to improve success on standardized tests such as the ACT. A workbook fee will be charged.

**BUS2000 BUSINESS MATHEMATICS** *Grade*

*10-12.* This course develops and strengthens mathematical skills needed for business careers and business financial management. Units of work include problem-solving procedures involving purchasing, sales, marketing, banking services, investments, taxes, and data analysis. The importance of proper accounting is stressed.

**BUS1033 VISUAL MEDIA**

*Grades 9-12.* Students will learn technology skills related to visual layout and design for business application and personal use. This project-based course will incorporate digital photography, image manipulation, design principles, and typography. Current design software programs including Adobe Photoshop and InDesign will be explored in depth. Students interested in Advertising, Marketing, and Web Design should take this course. A materials fee will be charged.

**BUS4001 CONSUMER ECONOMICS** *Grade*

*12.* Consumer Economics, a required course, will integrate economic concepts with consumer skills, a combination necessary for added satisfaction in the use of personal resources. Instruction will center on the student's role in the economy as a citizen, consumer and worker. Topics will include: money management, buying goods and services, housing, banking and the Federal Reserve System, financial institutions and the use of credit and loans, consumer protection, insurance, savings and investing; pricing of products, supply and demand, taxation, government, and the free enterprise system. The capstone project of the course is a real-life consumer simulation.

**BUS4001O ONLINE CONSUMER ECONOMICS** *Grade 12.*

This course offers students an alternative to the traditional classroom consumer course, while still meeting the graduation requirement. The course is completely run through Blackboard (easily accessed on the Internet) and consists of units, a written midterm and final. Success will require students to manage their time and communicate with classmates and the instructor on a regular basis in order to make consistent progress and meet deadlines. Strong technology skills are not a requirement, but comfort using Blackboard will be necessary. High-Speed Internet connection is recommended. See counselor for details.

**BUS4003A AP (ADVANCED PLACEMENT)**

**MACROECONOMICS** *Grade 12. Weighted grade.*

This course is a college-level course with topics pertaining to macroeconomics. Topics include the principles of economics that apply to the functions of the whole economic system such as the Fiscal and Monetary policy, GDP, inflation, unemployment, and the global economy. Studies include consumer topics to satisfy the state requirement for Consumer Economics. Students may also receive college credit in macroeconomics by qualifying on the advanced placement exam at the end of the school year. A workbook fee will be charged.

**BUS4002A AP (ADVANCED PLACEMENT)**

**MICROECONOMICS** *Grade 12. Weighted grade.*

Prerequisite is AP Macroeconomics. This course is a college-level course dealing with topics pertaining to microeconomics. Topics include the study of the market system, pricing, resource allocation, distribution and current domestic economic problems. Students may also receive college credit in microeconomics by qualifying on the advanced placement exam at the end of the school year. A workbook fee will be charged.

**BUS2001 ACCOUNTING 1** *Grade 10-12. Year-long.*

Accounting I tracks the flow of money into and out of a business. It is the study of preparing business records for the purposes of making management decisions. Generally Accepted Accounting Principles (GAAP) are applied to the financial data needed to understand businesses organized as sole proprietorships and corporations. Accounting is the language of business and is strongly recommended for any student interested in business as a career. A workbook/simulation fee will be charged.

**BUS3016H HONORS ACCOUNTING 2**

*Grade 11-12. Year-long. Weighted grade. Prerequisite is Accounting I.* This is an advanced course for students interested in furthering their career exploration in accounting or related business occupation. Study includes corporate and cost accounting for merchandising and manufacturing businesses. Management decisions through the analysis of financial statements are an integral part of the curriculum. Automated accounting using computer simulation is integrated throughout the course. A workbook and simulation fee will be charged.

**BUS1030 ESSENTIAL TECHNOLOGY**

*Grades 9-12.* Students will learn skills to expand their knowledge in basic technology and its application in academics and the workforce. This course will focus on developing 21st Century technology skills by incorporating study in keyboarding, Internet research, and computer literacy. Through the use of integrated projects, Microsoft Office, and various design programs, we will focus on building a student's essential technology skills. Students who desire improvement in keyboarding and basic software application skills will benefit from this course and be better prepared for further study in the computer sequence. A materials fee will be charged.

**BUS1031 E-BUSINESS & FINANCIAL TECHNOLOGY**

*Grades 9-12.* Students will gain an understanding of how to use technology to help them manage financial resources that are essential for success in college, career, and personal finance. With a focus on financial spreadsheets and reports, students will learn business and personal financial management using Excel, Access and various online resources. Students interested in Finance, Accounting, Honors Accounting II, and Economics should take this course. A materials fee will be charged.

**BUS1032 MARKETING TECHNOLOGY**

*Grades 9-12.* This course will expand a student's abilities to work creatively and communicate effectively while exploring how technology supports businesses in the field of Sports and Entertainment, Travel and Tourism, Hospitality Finance, and others. Through the use of technology and project-based learning, students will further their skills in Microsoft Office, Adobe Creative Suite, and various online tools to a variety of business applications. Students interested in Advertising, Marketing,

Management, Entrepreneurship, Business Internship, or Technology-related fields should take this course. A materials fee will be charged.

**BUS1002 MANAGEMENT** *Grade 11-12. Prior completion of Business Orientation recommended.* Business Management is designed to facilitate students' conceptual and practical understanding of issues related to management principles, practices, and organizational behavior. The topics explored include leadership, human resource management, motivation, organizational behavior, social responsibility, organizational culture, and communication. Each unit will require a project/activity to assess student learning. A systematic approach has been created with the intention of providing a process for evaluating students' performances in their development and presentation of class projects for the Business Management course.

**BUS3005 BUSINESS LAW** *Grade 11-12.*

This course is designed for students preparing for both the business world and personal life in order to understand the legal environment in which we live. This course will give students insight into the legal rules and regulations that benefit mankind and will promote understanding of the importance of law to both society and the individual. Topics studied include: ethics, criminal and civil law, the court system, contracts, law and the minor, law and the consumer, employment law, bankruptcy, wills, and career exploration. Mock trials and a field trip to the county courthouse are utilized in this course to provide authentic learning experiences. A workbook fee will be charged.

**BUS3000 ADVERTISING** *Grade 10-12. Business Orientation, Marketing Technology, Visual Media, or Multimedia Innovations recommended.* This course will focus on advertising principles and practices. Students will learn the history of advertising, its role in today's society, how the advertising industry works, careers in advertising, and the principles and techniques used to create ads for a variety of media. Emphasis is placed on planning and designing print ads, radio and TV commercials, and other specialty ads that appeal to certain target markets. Moderate computer use will be required. A materials fee will be charged.

**BUS3017 FINANCE** *Grade 11-12.* This course is designed to be a capstone course in the business curriculum pertaining to the financial sequence. The course will focus on four areas of finance: financial

institutions, the Federal Reserve System, international markets, and the US stock and commodities markets. The course will emphasize “real-world” business and investment situations for student analysis and decision-making strategies.

**BUS1036 WEB DESIGN** *Grades 9-12.* Students will learn to design and create websites and optimize digital resources. An understanding of visual appeal, effective communication, functionality, and site organization and maintenance will be gained. Course resources include Dreamweaver, XHTML, Flash, and various online services. Students interested in Entrepreneurship, Management, Marketing, and Business Internship should take this course. A materials fee will be charged.

**BUS3002 MARKETING** *Grade 10-12. Year-long. Business Orientation, Advertising and/or Marketing Technology recommended.* This course examines the field of marketing and its essential role in all aspects of business. Topics covered include the role of marketing in today’s society, marketing careers, product planning and development, pricing strategies, distribution methods, sales techniques, promotion, visual merchandising, and marketing math skills. Marketing principles learned will be applied through industry-specific units on sports, entertainment, travel/tourism, and fashion marketing. A workbook/materials fee will be charged for this course.

**BUS1034 EMERGING TECHNOLOGIES** *Grade 9- 12.* Students will develop skills to help them navigate and adjust to changing technology that is integral for college and career success. With a focus on gaming, animations, and other trends in web applications, students will explore emerging technologies. Students will create and develop their own interactive programs such as games, simulations, and interfaces using modern graphics and programming logic and software. Previous programming skills are not required. Students interested in Management, Marketing, Web Design and Business Internship should take this course. A materials fee will be charged.

**BUS1035 MULTIMEDIA INNOVATIONS** *Grade 9- 12.* Students will learn skills to enhance their communication through various forms of multimedia. Editing, animating, and digital publishing will be emphasized. Using various software programs and online resources, students will design

and create audio and visual projects. Students interested in Entrepreneurship, Management, Advertising, Marketing, and Web Design should take this course. A materials fee will be charged.

**BUS3007 BUSINESS INTERNSHIP** *Grade 11-12 Two credits. Year-long. Approval of Business Internship Coordinator or Business Education teacher.* This is a cooperative work program between the school and the employers. Students work outside of school and also attend class on a daily basis. Topics discussed in class pertain to work related and career issues. A student will receive one credit for classroom instruction and one credit for on-the-job training. The internship instructor will assist with job placement and monitor students’ progress throughout the year. Early dismissal is NOT a requirement for this program. Students must provide own transportation.

**BUS3020 VIRTUAL ENTERPRISES INTERNATIONAL** *Grade 11-12. Prerequisite is two semesters of business courses. Year long. Weighted grade.* This capstone course provides a simulated business environment in which students create and manage a virtual company, conducting business with other “firms” nationally and internationally. Students are involved in every aspect of running the business, including human resources, accounting, product development, production, distribution, marketing and sales. In the simulated business environment, students belong to a specific department depending on skills, prior knowledge and personal interest. Leadership opportunities within the firm provide further relevant experience. The program enables participants to experience careers, acquire global economic knowledge, develop interpersonal and organizational skills, utilize technology as applied in business, and gain a clear understanding of how employees work together to meet the goals of the company while at the same time conveying the professional expectations of the workplace.

## ENGLISH

Diane Tancredi, *Department Chairperson - MVHS*

Karen Pierros, *Department Chairperson - NVHS*

Mike Dwyer, *Department Chairperson - WVHS*

A student must be registered in a core English course each semester. The curriculum builds language skills sequentially from freshman through senior levels. Writing-based courses introduce, develop, and refine student skills in all aspects of the writing process including literary analyses, personal essays, and creative writings. In addition, reading development is approached through the various literature studied in each course.

### THE FIRST TWO YEARS OF ENGLISH COURSE WORK CONSIST OF TWO FULL-YEAR CORE COURSES:

English 1 and 2.

### IN THE JUNIOR YEAR THE STUDENT MUST TAKE:

1. One semester of English 3 (British Literature 1) AND
2. A minimum of one semester choice from the five choices offered from the junior choices

### IN THE SENIOR YEAR THE STUDENT MUST TAKE:

3. A minimum of two semester choices from the list of senior choices

If any student takes a year-long course his/her junior or senior year, then he or she need not select any of the junior or senior options, since he or she has already fulfilled the graduation requirement.

The Communication Electives (special interest courses) may be taken in addition to the core curriculum but do not count toward fulfillment of English requirements for graduation.

Because Honors and Advanced Placement (AP) course work is accelerated and more sophisticated, upper level work of high quality in a compacted time frame is demanded of students. The English Department has developed recommendations for student success. These criteria are indicators of performance levels or standards for the Honors or AP courses and are available from the English Department.

## ENGLISH COURSE LISTINGS

### FRESHMAN COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
ENGL1001	English 1-Academic Literacy and Composition	Year 9	Does not meet NCAA requirement
ENGL1020	English 1-Literature, Language and Composition	Year 9	None
ENGL1000H	English 1-Honors Literature, Language and Composition	Year 9	None

**ENGLISH COURSE LISTINGS (CONT'D)****SOPHOMORE COURSES**

<b>COURSE#</b>	<b>TITLE</b>	<b>LEVEL</b>	<b>PREREQUISITE</b>
ENGL2002	English 2-Academic Literacy and Composition	Year 10	Does not meet NCAA requirement
ENGL2000	English 2-American Literature and Composition	Year 10	
ENGL2000H	English 2-Honors American Literature and Composition	Year 10	
ENGL2022B	English 2-American Society (2 period block with social studies)	Year 10	

**JUNIOR COURSES**

<b>COURSE#</b>	<b>TITLE</b>	<b>LEVEL</b>	<b>PREREQUISITE</b>
ENGL3000R	English 3-British and Contemporary Literature and Composition	Year 11	Does not meet NCAA requirement
ENGL3000A	English 3-Advanced Placement Language and Composition	Year 11	

Juniors not in ENGL3000R or ENGL3000A must take ENGL3000 and one additional course from the Junior choices list.

ENGL3000	English 3-British Literature 1 and Composition	Sem. 11	
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## JUNIOR CHOICES

ENGL3001	English 3-Contemporary Literature and Composition	Sem. 11	
ENGL3002	English 3-Mythology and Composition	Sem. 11	
ENGL3003	English 3-Dramatic Literature and Composition	Sem. 11	
ENGL3004	English 3-British Literature 2 and Composition	Sem. 11	
ENGL3005	English 3-Cultural Studies and Composition	Sem. 11	

**ENGLISH COURSE LISTINGS (CONT'D)**

**SENIOR COURSES**

<b>COURSE#</b>	<b>TITLE</b>	<b>LEVEL</b>	<b>PREREQUISITE</b>
ENGL4000	English 4 – Media Communication and Composition	Year 12	Does not meet NCAA requirement
ENGL4003A	English 4-Advanced Placement Literature and Composition	Year 12	
ENGL4003O	Online English 4-Advanced Placement Lit. and Composition	Year 12	

Seniors not in ENGL4000 or ENGL4003A must take two courses from the following seven choices.

SENIOR CHOICES

ENGL4001	English 4-Composition and Media	Sem. 12	Does not meet NCAA requirement
ENGL4002	English 4-20th Century Literature and Composition	Sem. 12	
ENGL4002O	Online English 4-20th Century Literature and Composition	Sem. 12	
ENGL4004	English 4-Poetry and Composition	Sem. 12	
ENGL4012	English 4-World Literature 1 and Composition	Sem. 12	
ENGL4013	English 4-World Literature 2 and Composition	Sem. 12	
ENGL4007	English 4-Philosophy through Literature and Composition	Sem. 12	
ENGL4008	English 4-Communication and Composition	Sem. 12	

## ENGLISH COURSE LISTINGS (CONT'D)

### COMMUNICATION ELECTIVES

COURSE#	TITLE	LEVEL	PREREQUISITE
ENGL2012	Public Speaking	Sem. 10-12	None
ENGL2013	Theatre Arts I	Sem. 10-12	None
ENGL2014	Theatre Arts 2	Sem. 10-12	Theatre Arts I
ENGL2015	Creative Writing I	Sem. 10-12	None
ENGL2016	Creative Writing 2	Sem. 11-12	Creative Writing I
ENGL2017	Newspaper Journalism	Year 10-12	Instructor Approval
ENGL2018	Yearbook Journalism	Year 10-12	Instructor Approval
ENGL2002L	Reading – Academic Literacy	Year 9	Placement
ENGL2019	College Prep Reading	Sem. 10-11	None
ENGL1035	Literacy Strategies 1	Year 9	Placement required
ENGL2023	Literacy Strategies 2	Year 10	Placement required
ENGL3022	Literacy Strategies 3	Year 11	Placement required

## ENGLISH COURSE DESCRIPTIONS

All English courses are year-long unless noted.

### FRESHMAN LEVEL CORE COURSES

**ENGL1001 ENGLISH 1 ACADEMIC LITERACY AND COMPOSITION** *Year-long.* This course focuses on the development of reading skills through the analysis of fiction, nonfiction, short story, novel, poetry, and drama. Descriptive, expository, argumentative, and narrative writing, as well as basic research techniques and communication skills are addressed. In addition, students refine grammar and usage skills through the writing process and effective composition strategies. This full-year course meets for two consecutive periods providing time for practice and growth in reading. This course is not NCAA core approved.

**ENGL1020 ENGLISH 1 LITERATURE, LANGUAGE AND COMPOSITION** *Year-long.* This course focuses on literary analysis through study of myth, short story, novel, poetry, and drama. Descriptive, expository, argumentative, and narrative writing, as well as basic research techniques and speaking skills are emphasized. In addition, students will refine grammar and usage skills through the writing process and effective composition strategies.

**ENGL1000H ENGLISH 1 HONORS – LITERATURE, LANGUAGE AND COMPOSI-**

**TION** *Year-long.* This course emphasizes analytical consideration of mythology, short story, novel, poetry, and tragic drama. Refinement of the principles of grammar, usage, and precision of expression is taught through emphasis on effective composition skills. The literature will provide students analytical abilities and will encourage critical thinking through the writing of expository, argumentative, and narrative essays. Through the study of literature and composition, the course begins to prepare the student for the Advanced Placement test as juniors and seniors.

### SOPHOMORE LEVEL CORE COURSES

**ENGL2002 ENGLISH 2 – ACADEMIC LITERACY AND COMPOSITION** *Year-long.* This course focuses on the development of reading skills through the analysis of fiction, nonfiction, short story, novel, poetry, and drama. Descriptive, expository, persuasive, narrative, and literary analysis writing, as well as basic research techniques and communication skills, are addressed through instruction. In addition, students refine their grammar and usage skill through the writing process and the application of essential composition strategies. The class provides an effective bridge from the practice and application of reading strategies, especially inferring, evaluating, and synthesizing, to nonfiction text to the practice and application of reading strategies to

fiction text, which is necessary for a successful junior year. This full-year course meets for two consecutive periods providing time for practice and growth in reading and writing. This course is not NCAA core approved.

**ENGL2000 ENGLISH 2 – AMERICAN LITERATURE AND COMPOSITION** *Year-long.*

This course includes the study of American Literature from colonial through contemporary periods using thematic strands. Students will read journals, biographies, essays, novels, short stories, plays, and poetry representing American authors and authors of various ethnic backgrounds. The literature will promote students' analytical abilities and will encourage critical thinking through the writing of expository, argumentative, and narrative essays. In addition, the literature will service as models and material for speaking in persuasive, informative, and entertaining forums.

**ENGL2000H ENGLISH 2 HONORS – AMERICAN LITERATURE AND COMPOSITION**

*Year-long.* This course includes the study of American Literature from colonial through contemporary periods using thematic strands. Students will read journals, biographies, essays, novels, short stories, plays, and poetry representing American authors and authors of various ethnic backgrounds. The literature will promote students' analytical abilities and will encourage critical thinking through the writing of expository, argumentative, and narrative essays. In addition, the literature will serve as models and material for speaking in persuasive, informative, and entertainment forums. Through the study of literature and composition, the course continues to prepare the student for the Advanced Placement test as juniors and seniors.

**ENGL2022B AMERICAN SOCIETY – 2 PERIOD BLOCK OF ENGLISH 2 & AMERICAN STUDIES** *Two periods. Year-long.*

This course provides a two-credit alternative to separate American Studies and English classes. Students will receive individual grades for each course and will fulfill the graduation requirements for both Sophomore English and U.S. History. The linkage between the two courses allows for many opportunities to emphasize the connections between American literature, history, art, music and architecture through team-teaching, joint assignments and projects. The course demands active student participation, intensive outside reading, and experiences beyond the

classroom (i.e. field trip, projects). Students who are interested in studying English and history through this creative humanities emphasis will enjoy this option. One credit of English and one credit of Social Studies is awarded upon successful completion of this course.

JUNIOR LEVEL CORE COURSES

**ENGL3000R ENGLISH 3 – BRITISH AND CONTEMPORARY LITERATURE AND COMPOSITION** *Year-long.*

This course surveys British Literature in thematic units. It is designed to reinforce valuable principles and usage of reading along with an emphasis on improving composition skills. Students complete a research project during the second semester. This course is not NCAA core approved.

**ENGL3000 ENGLISH 3 – BRITISH LITERATURE 1 AND COMPOSITION** *One semester.*

This required one-semester course (except for students taking ENGL3000R or ENGL3000A continues college preparation of language and composition skills through concentration on the study of works such as *Beowulf*, *The Canterbury Tales*, and *Macbeth*. Emphases on written skills continue primarily based on critical analyses of works studied as well as on the writing of personal essays.

**ENGL3000A ENGLISH 3 – ADVANCED PLACEMENT LANGUAGE AND COMPOSITION** *Year-long.*

This course emphasizes the genres of British literature and continues the writing of critical literary analyses as well as the writing of personal essays. The course prepares students for the Advanced Placement English Language and Composition examination, which is administered in May of the junior year. Students in this course often take an additional junior choice during their second semester studies.

JUNIOR LEVEL CHOICES

The following are additional semester junior classes. Juniors enrolled in English ENGL3000 must choose one of the following electives to complete the high school four-year English requirement. Juniors in AP ENGL3000A English classes may opt to take English ENGL3001, ENGL3002, ENGL3103, ENGL3004, or ENGL3005 as electives only.

**ENGL3001 ENGLISH 3 – CONTEMPORARY LITERATURE AND COMPOSITION** *One semester.* This class provides the opportunity for students to experience current issues through contemporary fiction and non-fiction. Through analysis of novels, short stories, and nonfiction, students will examine the relevance of the literature to their experience. While reading high-interest literature, students will continue building their writing, thinking, and vocabulary skills. Novels read in this course contain mature content.

**ENGL3002 ENGLISH 3 – MYTHOLOGY AND COMPOSITION** *One semester.* This course is designed to acquaint students with world myths, legends, and folklore that form a people's literary heritage, gaining an appreciation for literature of other cultures and time periods, including African, Celtic, and Middle and Far East. Students will work toward mastery of writing, speaking, cooperative learning, and higher-level thinking. Through the study of mythology and its influence in modern literature, students will increase their global appreciation and insight into the human experience.

**ENGL3003 ENGLISH 3 – DRAMATIC LITERATURE AND COMPOSITION** *One semester.* This course offers a study of drama from various theatrical genres and historical periods. Students will examine plays as literature, not play production. The reading and accompanying discussions and activities will provide a basis for expository and analytical writing. Through the study of dramatic literature, students will continue to enhance their reading, writing, and thinking skills.

**ENGL3004 ENGLISH 3 – BRITISH LITERATURE 2 AND COMPOSITION** *One semester.* This course offers a thematic and chronological approach to the continued study of British literature through essays, poetry, novels, and short stories found in the Age of Reason, the Romantic Era, the Victorian Era, and the Modern Era. This course continues the emphasis on critical thinking, composition, and the interpretation of literature.

**ENGL3005 ENGLISH 3 – CULTURAL STUDIES AND COMPOSITION** *One semester.* This course exposes students to literary works from a variety of cultures. The emphasis is on reading novels that are the products of the society in which they were

produced. The similarities and differences among the various cultures studied will provide students with a historical and social perspective. By looking at the cycle through which society impacts literature which, in turn affects future society, students will gain an awareness of how multi-cultural literature affects and reflects today's society. Novels read in this course contain mature content.

## SENIOR LEVEL CORE COURSES

**ENGL4000 ENGLISH 4 – MEDIA COMMUNICATION AND COMPOSITION** *Year-long.* This course focuses on various aspects of film study including the technical viewpoint, the historical significance, and the visual approaches used to demonstrate thematic ideas in film. Also, students will focus on communication skills needed to effectively connect with others in their environment, personal relationships, daily activities, and professional settings. Students will focus on logically developing ideas with appropriate evidence, clear and precise language, and varied sentence structure. In this course students will utilize and refine their reading, writing, listening, and speaking skills. This course is not NCAA core approved.

**ENGL4003A ENGLISH 4 – ADVANCED PLACEMENT LITERATURE AND COMPOSITION** *Year-long.* This course emphasizes various genres of World literature and continues the writing of critical analyses of works studied as well as the writing of personal essays. The course prepares students for the Advanced Placement English Literature and Composition examination, which is administered in May of the senior year. Students in this course also frequently add a senior choice to their semester studies.

**ENGL4003O ONLINE ENGLISH 4 – ADVANCED PLACEMENT LITERATURE AND COMPOSITION** *Year-long.* This course emphasizes various genres of World literature and continues the writing of critical analyses of works studied as well as the writing of personal essays. The course prepares students for the Advanced Placement English Literature and Composition examination, which is administered in May of the senior year. Students in this course also frequently add a senior choice to their semester studies.

## SENIOR LEVEL CHOICES

The following are semester long senior classes. Seniors may choose two of the following electives to complete the high school, four-year English requirement. Seniors in English 4000, 4000R, 4003A may opt to take these Senior Choice courses as electives only.

**ENGL4001 ENGLISH 4 – COMPOSITION AND MEDIA** *One semester. Does not meet NCAA requirements.* This semester course teaches seniors literature to media, the study of historical periods in media development, and the technology of media production, in order to have seniors become visually literate, critical thinkers, and evaluative writers when interpreting media. To show mastery, students will respond through a variety of venues such as written analyses and class presentations. This class will hone critical thinking and composition skills learned in previous English course while instructing students on the concept of visual literacy.

**ENGL4002 ENGLISH 4 – 20TH CENTURY LITERATURE AND COMPOSITION** *One semester.* This course allows seniors the opportunity to read a variety of contemporary novels, plays and short stories. Building on textual knowledge, critical thinking, and composition skills developed in previous English classes, students will question and determine the role of contemporary Literature 1n society through a variety of written analyses, class presentations and quarterly projects. Novels read in this course contain mature content.

**ENGL4002O ONLINE ENGLISH 4 – 20TH CENTURY LITERATURE AND COMPOSITION** *One semester.* This course allows seniors the opportunity to read a variety of contemporary novels, plays and short stories. Building on textual knowledge, critical thinking, and composition skills developed in previous English classes, students will question and determine the role of contemporary Literature 1n society through a variety of written analyses, class presentations and quarterly projects.

**ENGL4004 ENGLISH 4 – POETRY AND COMPOSITION** *One semester.* This course allows seniors the opportunity to enhance their creative expression by developing the skills and commitment essential for reading and writing poetry. Through the study of classical, modern, and

contemporary poetry, students will be asked to respond to a wide variety of poetic prompts, and, in a workshop setting, to analyze and learn from one another's writing. Students will be encouraged to submit their writing for publication.

**ENGL4012 ENGLISH 4 WORLD LITERATURE 1 AND COMPOSITION** *One semester.* This one-semester course will provide students with an overview of timeless literary works from around the world. Students will read and respond to selected novels, plays, short stories, essays, and poetry. Students will gain an understanding of works of literary merit from other cultures and the universality of the human condition. Novels read in this course contain mature content.

**ENGL4013 ENGLISH 4 – WORLD LITERATURE 2 AND COMPOSITION** *One semester.* This course offers a continuation of the curriculum and intent of World Literature 1, although World Literature 1 is NOT a prerequisite. The course provides students with a further exploration of timeless major literary works from around the world. Students will read and respond to selected novels, plays, short stories, essays, and poetry, gaining an understanding of works of literary merit from other cultures and the universality of the human condition. Novels read in this course contain mature content.

**ENGL4007 ENGLISH 4 – PHILOSOPHY THROUGH LITERATURE AND COMPOSITION** *One semester.* In this course students will analyze the cultural roots of civilization through an examination of selected literature and its philosophies, preparing students for further study and enhancing their understanding of broader profound concepts such as knowledge, truth, the difference between right and wrong, justice, evil, fate, freedom, and beauty. Through this study students will hone critical thinking skills, study the basic principles of argumentation, creating cogent arguments in both discussion and writing.

**ENGL4008 ENGLISH 4 – COMMUNICATION AND COMPOSITION** *One semester.* This course concentrates on communicating effectively in the academic environment, personal relationships, daily activities, and professional settings. In this course, students will utilize and refine their reading, writing, listening, and speaking skills. Students will focus on logically developing ideas with

appropriate evidence, clear and precise language, and varied sentence structure. They will learn how to effectively communicate in different settings through instruction on teamwork, problem solving, technological application, leadership skills, and interaction with people in various roles and work situations, all to help them become successful communicators in the world beyond high school.

#### COMMUNICATION ELECTIVES

These courses count toward graduation as general electives, but NOT as fulfillment of the four-year English graduation requirement.

#### **ENGL2012 PUBLIC SPEAKING** *Grade 10-12.*

*One semester.* This course develops essential oral communication skills introduced previously in the language arts experience. Individual speeches, such as children's stories, prose reading, award acceptance, impromptu speaking, radio speaking, and original essays are performed in this semester program. Special attention is given to acquiring poise, confidence, and dignity as a speaker.

#### **ENGL2013 THEATRE ARTS 1** *Grade 10-12.*

*One semester.* This course is a student-oriented class that focuses on the theory of acting, the process of directing, and the elements of technical theatre. Theory will be interlaced with opportunities for hands-on involvement at all levels of the theatrical experience.

#### **ENGL2014 THEATRE ARTS 2** *Grade 10-12.*

*One semester.* *Theatre Arts I is a prerequisite for this course which builds upon concepts learned in Theatre Arts I while still centering on student participation and involvement.* The focuses will be on more advanced styles of acting and more specific responsibilities inherent to the directing process, including technical aspects of theatre.

#### **ENGL2015 CREATIVE WRITING 1** *Grade 10-12.*

*One semester.* This course enhances creative and imaginative expression by developing the skills, style, and commitment essential for effective writing. Students will create within a variety of genres: journals, short stories, poetry, essays, and drama.

#### **ENGL2016 CREATIVE WRITING 2** *Grade 11-12.*

*One semester. Prerequisite is Creative Writing I.* This course significantly extends the writing

experiences introduced in Creative Writing I. Its primary focus will be on poetry and short story writing. Students will create a portfolio for both their poetry and their short stories and will submit some of their work for publication.

#### **ENGL2017 NEWSPAPER JOURNALISM**

*Grade 10-12. Prerequisite is instructor's permission based on teacher recommendations regarding the student's writing ability, creativity, and dependability. A test of basic writing skills and an interview may also be administered.* This course develops writing, interviewing, and design skills which are applied when students produce the school newspaper.  
*NOTE: This course may be repeated from the sophomore through the senior year with permission of the instructor.*

#### **ENGL2018 YEARBOOK JOURNALISM**

*Grade 10-12. Prerequisite is instructor's permission based on teacher recommendations regarding the student's writing ability, creativity, and dependability. A test of basic writing skills and an interview may also be administered.* This course develops skills such as writing copy, designing spreads, and desktop publishing. Students develop computer literacy skills and meet specific deadlines in order to produce the annual high school yearbook.  
*NOTE: This course may be repeated from the sophomore through the senior year with permission of the instructor.*

#### **ENGL2019 COLLEGE PREP READING** *Grade 10-11.*

*One semester.* This course will address the reading strategies required for comprehension of text materials and sophisticated fiction selections, etymology, and logic strategies. Test preparation will also be an element of this course: students will learn how to deal with the different test constructions (e.g. ACT, SAT) for improved test performance. This course will have a reading list and will require work outside class time.

#### **ENGL1035 LITERACY STRATEGIES 1** **ENGL2023 LITERACY STRATEGIES 2** **ENGL3022 LITERACY STRATEGIES 3**

*Grade 9-11. Year-long.* Placement required. Literacy Strategies is a year-long course designed to improve student's reading skills. Literacy Strategies will emphasize comprehension strategies, vocabulary development, study skills, transference of reading strategies to content-area classes, enjoyment of reading, and written response to text.

## ENGLISH LANGUAGE LEARNING PROGRAM

Rafael Segarra, *Director ELL Programs*  
Ann Paternostro, *District ELL Program Coordinator*  
Tammie Black, *Department Chairperson, MVHS*  
Tom McManamen, *Department Chairperson NVHS*  
Laura McAran, *Department Chairperson, WVHS*

The high school ELL program offers English Language Learners a series of courses to assist them in attaining English language proficiency and in meeting state learning standards. Students are referred to, and placed in, this program based upon the district Home Language Survey, classroom performance, and/or assessment by the ELL teacher.

### ENGLISH LANGUAGE LEARNING COURSE LISTINGS

#### ELL COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
ELL1000	ESL Resource	Year	Placement
ELL1001	Intensive ESL Resource		Year Placement
ELL1002	English 1 for ESL Students	Year	Placement
ELL2000	English 2 for ESL Students	Year	Placement
ELL2001B	Intensive ESL English 2 (2 periods)		Year Placement
ELL1003	Spanish for Spanish Speakers I	Year	Placement
ELL1004	Bilingual Resource		Year Placement
ELL1101B	Intensive ESL English 1 (2 periods)		Year Placement
ELL3000	English 3 for ESL Students	Sem.	Placement
ELL2002	Spanish for Spanish Speakers 2	Year	Placement

## ENGLISH LANGUAGE LEARNING PROGRAM DESCRIPTIONS

**ELL1000 ESL RESOURCE** This class provides academic support to English language learners to enable them to be successful in their core academic classes. Students receive assistance with the development of cognitive academic language as well as with reading and writing skills. Students receive elective credit for this class.

**ELL1001 INTENSIVE ESL RESOURCE** This class is for the students in the Intensive English 1 class. It provides them with academic support to enable them to succeed in their core academic classes. Students receive assistance with the development of cognitive academic language as well as with reading and writing skills. Students will receive elective credit for successful completion of this class.

**ELL1101B INTENSIVE ESL ENGLISH 1** This is an English class for students who are new to the United States and for whom English is a new language. The focus of this class is on listening,

speaking, reading, and writing. Vocabulary and grammar development, as well as basic reading and writing skills, are emphasized. Students also learn about the history and culture of the United States. This class meets for two periods a day. Students enrolled in this class must also enroll in either Intensive ESL Resource or Bilingual Resource. Students will receive 1 English credit and 1 English elective credit for this class.

**ELL1002 ENGLISH 1 FOR ELL STUDENTS**

This is an English class for English language learners who have completed Intensive ESL English 2 or who have a comparable level of English language proficiency. The focus of this class is on further developing the student's listening, speaking, reading and writing skills. Vocabulary and grammar development, reading strategies, Literature Interpretation, and basic research techniques, as well as descriptive, narrative, persuasive, and expository writing are emphasized. Students enrolled in this class should also be enrolled in either ESL Resource or Bilingual Resource. Students will receive English credit for this class.

**ELL2000 ENGLISH 2 FOR ESL STUDENTS**

This is an English class for English language learners who have completed English 1 for ESL students or who have a comparable level of English language proficiency. The focus of this class is on the continuing development of the student's listening, speaking, reading, and writing skills. Emphasis is on vocabulary and grammar development, reading strategies, Literature Interpretation, advanced research techniques, and writing expository, narrative, and persuasive essays. Students enrolled in this class should also be enrolled in ESL Resource. Students will receive English credit for this class.

**ELL2001B INTENSIVE ESL ENGLISH 2** This is an English class for students who have completed Intensive ESL English 1 or who have a comparable level of English language proficiency. It focuses on further development of vocabulary and grammar along with reading and writing skills. This class meets for two periods a day. Students enrolled in this class must also enroll in either ESL Resource or Bilingual Resource. Students will receive English credit for this class. Students will receive 1 English credit and 1 English elective credit for this class.

**ELL1003 SPANISH FOR SPANISH SPEAKERS I**

This class is designed to develop the native language literacy skills of English language learners whose first language is Spanish. The focus of this class is on reading, writing, and grammar skills. Students will also learn about the history and culture of countries where Spanish is spoken. Students will receive elective credit for successful completion of this class

**ELL2002 SPANISH FOR SPANISH SPEAKERS 2**

This class is designed to further develop the native language literacy skills of English language learners whose first language is Spanish. This class will focus on expanding the students' knowledge of reading, writing, and grammar skills as well as their knowledge of history and culture. This class is for students who have successfully completed Spanish for Spanish Speakers 1 or who have tested at an equivalent proficiency level in Spanish. Students will receive elective credit for successful completion of this class.

**ELL1004 BILINGUAL RESOURCE** This class provides native language academic support to English language learners whose first language is Spanish. Spanish-speaking English language learners may choose to take Bilingual Resource instead of ESL Resource. Students will receive elective credit for successful completion of this class.

**ELL3000 ENGLISH 3 FOR ESL STUDENTS**

This is a one-semester English class for English language learners who have completed English 2 for ESL students. The focus of this class is on strengthening the student's listening, speaking, reading, and writing skills. Strong emphasis is placed on reading strategies, Literature Interpretation/analysis, and writing expository, narrative, and persuasive essays. Students enrolled in this class should also be enrolled in ESL Resource. Students will receive English credit for this class

## FAMILY AND CONSUMER SCIENCE

Jill Hlavacek, *Department Chairperson – MVHS*

Lisa Traut, *Department Chairperson – NVHS*

Andrea Hendrickson, *Department Chairperson – WVHS*

The Family and Consumer Science Department offers students an opportunity to select from a range of courses in this area. These courses can be chosen to prepare the student for continued education, employment after graduation, or just for personal satisfaction. In many of these classes, students complete projects that can be taken home. There are material fees associated with such classes.

### FAMILY AND CONSUMER SCIENCE COURSE LISTINGS

#### CLOTHING & FASHION COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
FACS1000	Apparel Constr. 1	Yr. 9-12	None
FACS2000	Apparel Constr. 2	Yr. 10-12	Apparel Construction 1
FACS2001	Fashion Merchandising & Marketing		Sem. 10-12 None
FACS3013I	Independent Study	Sem. 11-12	Apparel Construction 2; Instructor approval
FACS3001	Professional & Technical Internship	Yr. 11-12	Instructor approval

#### CULINARY ARTS COURSES

*\* Denotes required lab fee.*

COURSE#	TITLE	LEVEL	PREREQUISITE
FACS1001	Introduction to Culinary Arts *	Sem. 9-12	None
FACS4000	Senior Foods*	Sem. 12	No previous high school Foods class
FACS1005	Pastry Arts *	Sem. 9-12	Introduction to Culinary Arts or Senior Foods
FACS3002	Catering and Hospitality*	Sem. 11-12	Three previous foods classes; Instructor approval
FACS2002	International and Regional Foods*	Sem. 10-12	Pastry Arts
FACS3003I	Independent Study*	Sem. 11-12	Catering and Hospitality; Instructor approval
FACS3004	Professional & Technical Internship	Yr. 11-12	Instructor approval

#### CHILD DEVELOPMENT COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
FACS2003	Child Development	Sem. 10-12	None
FACS3006	Early Childhood Teaching Lab	Sem. 11-12	Child Development; Instructor approval
FACS3005I	Independent Study	Sem. 11-12	Early Learning Lab; Instructor approval
FACS3007	Professional & Technical Internship	Yr. 11-12	Instructor approval

**FAMILY AND CONSUMER SCIENCE COURSE LISTINGS (CONT'D)****HOUSING & DESIGN COURSES**

COURSE#	TITLE	LEVEL	PREREQUISITE
FACS2004	Interior Design	Sem. 10-12	None
FACS3008I	Independent Study	Sem. 11-12	Instructor approval
FACS3009	Professional & Technical Internship	Yr. 11-12	Instructor approval

**INDEPENDENT LIVING COURSES**

\* Denotes required lab fee.

COURSE#	TITLE	LEVEL	PREREQUISITE
FACS4000	Senior Foods*	Sem. 12	No previous high school foods classes
FACS3010	Individual & Family Relationships	Sem. 11-12	None
FACS3011	Parenting	Sem. 11-12	None

**FAMILY AND CONSUMER SCIENCE DUAL CREDIT WITH COLLEGE OF DUPAGE**

Students enrolled in the following courses may apply to earn dual credit with COD. High school students who wish to take the course listed below for dual credit will receive college credit and a COD transcript regardless of whether or not they continue at College of DuPage. These credits may be transferable to other institutions. All dual credit opportunities are pending an agreement between IPSD and COD. To qualify for dual credit, students must complete appropriate applications and placement testing as required by COD. Freshmen are not eligible for dual credit.

**COURSE COMPLETED AT MVHS, NVHS, WVHS**

APPAREL CONSTRUCTION I: COURSE FACS1000D  
APPAREL CONSTRUCTION 2: COURSE FACS2000D

**CREDIT AT COD**

FASHION MERCHANDISING & DESIGN 1155  
CLOTHING CONSTRUCTION 1 (3 HRS. CREDIT)  
FASHION MERCHANDISING & DESIGN 1156  
CLOTHING CONSTRUCTION 2 (3 HRS. CREDIT)

## FAMILY AND CONSUMER SCIENCE COURSE DESCRIPTIONS

**FACS1000 APPAREL CONSTRUCTION 1**

*Grade 9-12. Year-long.* Whether for personal use or a career in clothing and fashion, this course provides an opportunity to develop basic skills for clothing construction. Techniques used to construct four projects including: a skirt/pants, dress/top,

shirt, and a knit garment are covered. Students are encouraged to select pattern and materials according to their needs and abilities. Materials and supplies for the four projects are to be furnished by the student. COD Dual Credit available.

**FACS2000 APPAREL CONSTRUCTION 2**

*Grade 10-12. Year-long. Prerequisite: Apparel Construction I.* Students who have successfully completed Apparel Construction I will be ready for the advanced pattern and fabric study in this course. Projects include fitting pants, working with sheer fabrics, plaids and lined projects. Other topics include the principles and elements of design,

textiles and career opportunities. Materials and supplies for the four projects are to be furnished by the student. COD Dual Credit available.

**FACS2001 FASHION MERCHANDISING & MARKETING** *Grade 10-12. One semester.* This course is designed for the student to explore and understand the various facets of today's fashion industry. Areas included are fashion design, fashion buying, merchandising and the retail function. Career exploration in related fields of study will be explored. This course may be taken for enrichment or as preparation for further training in fashion-related occupations.

**FACS1001 INTRODUCTION TO CULINARY ARTS** *Grade 9-12. One semester.* Develop life-long culinary skills in Introduction to Culinary Arts. Food science principles and culinary techniques are applied as students prepare a variety of recipes in the lab. There is an emphasis on healthy eating and nutrition. Career exploration in related fields of study will be incorporated. A lab fee will be charged.

**FACS4000 SENIOR FOODS** *Grade 12. One semester. This course is intended for students with no previous culinary classes.* Senior Foods is fundamental for anyone who wants to create healthy alternatives to eating fast food and wants a basic cooking course. The course is designed to give students a sampling of the following areas of study: simple food preparation, nutrition, basic meal planning, purchasing of food, time management, and care and use of cooking equipment and appliances. A lab fee will be charged.

**FACS1005 PASTRY ARTS** *Grades 9-12. One semester. Prerequisite is Intro to Culinary Arts or Senior Foods.* Pastry Arts is a hands-on lab course. Students will apply the food science principles learned in the Pastry Arts classroom during their lab experiences. Areas of emphasis are quick breads, yeast breads, cakes, cookies, and pies. Cross-curricular academics include culinary math, literacy comprehension, and food science principles. A lab fee will be charged.

**FACS3002 CATERING AND HOSPITALITY** *Grade 11-12. One semester. Prerequisite is completion of three foods classes or instructor approval.* Units in this course combine lecture and laboratory work to provide an introduction to the food

service industry. Students will have the opportunity to improve their skills and expand their culinary expertise in the areas of food preparation, quantity food production and food management. Careers in the food service industry will be explored. A lab fee will be charged.

**FACS2002 INTERNATIONAL AND REGIONAL FOODS** *Grade 10-12. One semester. Prerequisite is Pastry Arts.* This course will provide the student the opportunity to experience how food and its preparation varies by region and by country. They will learn about different ingredients and techniques to broaden their culinary horizons. Due to the scope of study, students may enroll in this class for a second semester. A lab fee will be charged.

**INDEPENDENT STUDY**  
**FACS3013I CLOTHING & FASHION**  
**FACS3003I CULINARY ARTS**  
**FACS3005I CHILD DEVELOPMENT**  
**FACS3008I HOUSING & DESIGN**

*Grade 11-12. Requires instructor approval.* This course provides the student an opportunity for advanced work in clothing and fashion, food service, interior design or early childhood. A contract between student and teacher will be jointly developed specifying goals and objectives. A portfolio will be created by the student. It is an individually-directed study and requires a high degree of motivation and self-discipline. See a teacher in the department for an application.

**FACS2004 INTERIOR DESIGN** *Grade 10-12. One semester.* This course explores concepts and career choices of Interior Design. Students are introduced to architectural styles, alternative housing styles, basic blueprint reading, principles and elements of design and the use of color. Students make choices in decorating and furniture arrangement. Hands-on projects enable the student to link concepts with visual images.

**FACS3010 INDIVIDUAL & FAMILY RELATIONSHIPS** *Grade 11-12. One semester.* This course is designed to help students to develop a greater understanding of self and others in order to enhance future relationships. An empathic approach to intellectual, emotional and physical relationships is taken, using statistically-sound research as a basis for discussions. Topics include self-awareness, decision-making, communication, gender roles, dating, marriage, and family issues.

**FACS2003 CHILD DEVELOPMENT** *Grade 10-12. One semester.* This course is designed to provide the student with an introduction to the intellectual, physical, emotional and social development of a child from prenatal through preschool. It is beneficial both to the future parent and those interested in child-related careers. This class is the prerequisite for Early Childhood Teaching Lab and the student must receive instructor approval to be eligible for the Lab.

**FACS3006 EARLY CHILDHOOD TEACHING LAB** *Grade 11-12. One semester. Prerequisite is Child Development and instructor approval.* This is a capstone course for the highly motivated student interested in education or a child-related career such as pediatric medicine, child psychology, speech pathology, or social work. Strong academic achievement in Child Development is a requirement and an excellent predictor of success in this course. The students will be responsible for planning, preparing and teaching three and four year old children in a preschool lab contained within the department. This is a repeatable elective.

**FACS3011 PARENTING** *Grade 11-12. One semester.* This course is designed to give the student an overview of parenting and the knowledge necessary for effective parenting. Developing healthy family relationships is emphasized. Some of the parenting skills included are decision-making, family resource management, and child guidance techniques. Throughout the course, interactions between parent and child will be explored. The needs, concerns, joys, and responsibilities of parenting are emphasized.

#### **PROFESSIONAL & TECHNICAL INTERNSHIP**

**FACS3001 CLOTHING & FASHION**

**FACS3004 CULINARY ARTS**

**FACS3007 CHILD DEVELOPMENT**

**FACS 3009 HOUSING & DESIGN**

*Grade 11-12. Two credits. Year-long.* . Prerequisite is instructor approval. This program serves as the final course in our sequence of courses. Sequenced courses include the following: two previous semesters of culinary classes, Apparel Construction 2, or Early Childhood Teaching Lab. Other courses may qualify. A student will receive one credit for classroom instruction and one credit for on-the-job training. The Internship instructor will assist with job placement

and monitor student progress throughout the year. Early dismissal is not a requirement for this program.

# MATHEMATICS

Jackie Palmquist, *Department Chairperson - MVHS*

Vanessa Liveris, *Department Chairperson - NVHS*

Molly Owles, *Department Chairperson - WVHS*

The Mathematics curriculum is designed to meet the needs of all our students. The curriculum is structured into three distinct sequences based upon student abilities. Any six semesters of Mathematics, successfully completed, will fulfill the three year requirement for graduation.

All Math classes are year-long unless noted. Each course builds on the courses before it. The typical sequence includes some level of Algebra, Geometry, Algebra 2/Trigonometry, Pre-Calculus, and Calculus.

AP Computer Science is an elective credit and does not fulfill the three year math credit graduation requirement.

Because Honors and Advanced Placement (AP) course work is accelerated and more sophisticated, upper level work of high quality in a compacted time frame is demanded of students. The Math Department has developed recommendations for student success. These criteria are indicators of performance levels or standards for the Honors or AP courses and are available from the Math Department.

## MATHEMATICS COURSE LISTINGS

### GENERAL COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
MATH1000	Math 100	Yr. 9	Placement required
MATH2000	Math 200	Yr. 9-10	Placement required
MATH3000	Math 300	Yr. 9-11	Placement required

### COLLEGE PREP COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
MATH1002B	Algebra 1 Block (2 periods)	Yr. 9, 10	Teacher recommendation
MATH1002	Algebra 1	Yr. 9, 10	Teacher recommendation
MATH2007	Geometry Survey	Yr. 10-12	Teacher recommendation
MATH1003	Geometry	Yr. 9-11	Teacher recommendation
MATH1004	Algebra 2/ Trigonometry	Yr. 9-12	Teacher recommendation
MATH3006	Algebra 2	Yr. 11-12	Teacher recommendation
MATH3007	Trigonometry	Sem.11-12	Teacher recommendation
MATH3002	Probability & Statistics	Sem.11-12	Teacher recommendation
MATH2006	Precalculus	Yr. 10-12	Teacher recommendation
MATH3008	Calculus	Yr. 11-12	Teacher recommendation

**MATHEMATICS COURSE LISTINGS (CONT'D)****ACCELERATED COLLEGE PREP COURSES**

<b>COURSE#</b>	<b>TITLE</b>	<b>LEVEL</b>	<b>PREREQUISITE</b>
MATH1003H	Honors Geometry	Yr. 9-10	Teacher recommendation
MATH1004H	Honors Algebra 2/Trig.	Yr. 9-11	Teacher recommendation
MATH2002A	AP Statistics	Yr. 10-12	Teacher recommendation
MATH2006H	Honors Precalculus	Yr. 10-12	Teacher recommendation
MATH1006A	AP Computer Science 1	Yr. 9-12	Teacher recommendation
MATH3009A	AP Calculus BC	Yr. 11-12	Teacher recommendation
MATH3010A	AP Calculus AB	Yr. 11-12	Teacher recommendation
MATH4000D	Calculus 3	Yr. 12	Teacher recommendation

## MATHEMATICS COURSE DESCRIPTIONS

All math courses are year-long classes unless otherwise noted.

**MATH1000 MATH 100** *Grade 9. Placement required.* This course is designed to meet the needs of students who have experienced difficulty in learning mathematics in a traditional format. The content of this course develops basic arithmetic and computational skills using a variety of activities and group projects. This is the first course in a three course sequence. A TI-30X calculator (or equivalent) is required. This course is not NCAA core approved.

**MATH2000 MATH 200** *Grade 9-10. Placement required.* This course stresses the applications of skills developed in Math 100. Practical applications used in everyday life situations will be emphasized. This course will cover pre-Algebra and some basic Geometry skills. Note-taking and study skills will be stressed. A TI-30X calculator (or equivalent) is required. This course is not NCAA approved for core.

**MATH3000 MATH 300** *Grade 9-11. Placement required.* Emphasis in this course is on basic Algebra skills including studying and graphing linear and quadratic equations and further exploring Geometry concepts developed from Math 200. An integration of Algebra and Geometry will be covered. Note-taking and study skills will be

stressed. A TI-30X (or equivalent) calculator is required. This course is not NCAA core approved.

**MATH1002B ALGEBRA 1 BLOCK** *Grade 9, 10. Placement required.* This is a one-year Algebra 1 course meeting in a two-period block of time every day. This course is designed for those students who struggled in pre-Algebra, needing more time to process and develop pre-Algebra skills. It is designed to cover Algebra 1 including solving and graphing linear and quadratic equations and inequalities in one and two unknowns. Students are introduced to exponential growth and decay concepts. There are activity-based units in this course. Note-taking and study skills will be stressed and formalized. Students will be scheduled for two periods of math and will receive two credits. One period will be for Algebra 1 credit and one period will be named math elective for one credit. The math elective will be a pass/fail grade. A graphing calculator is required.

**MATH1002 ALGEBRA 1** *Grade 9, 10 Placement required.* Algebra 1 is a one-year course that develops numerical and graphing systems. Solving and graphing linear and quadratic equations and inequalities in one and two unknowns, and related polynomial functions are covered. Students are introduced to exponential growth and decay concepts. Note-taking and study skills are stressed and formalized. A graphing calculator is required.

**MATH2007 GEOMETRY SURVEY** *Grade 10-12. Placement required.* Geometry Survey covers all the basic geometry concepts, using problem

solving through inductive and deductive reasoning, but with little emphasis on formal proofs. The course includes topics such as distance concepts, angles, triangles, geometric inequalities, parallel and perpendicular lines and planes, polygons, circles and spatial figures and their properties. Right triangle trigonometry is introduced. A graphing calculator is required.

**MATH1003 GEOMETRY** *Grade 9-11. Placement required* Emphasis is placed on problem solving and geometric proofs through inductive and deductive reasoning. The course includes topics such as geometry relative to the real number system, distance concepts, angles, triangles, geometric inequalities, parallel and perpendicular lines in space, planes, polygons and circles. Right triangle trigonometry is introduced. A graphing calculator is required.

**MATH1003H HONORS GEOMETRY** *Grade 9-10. Placement required. Weighted Grade.* In addition to covering the topics listed above for Geometry (MATH1003), this course provides more rigorous and in-depth approach to covering geometric ideas and formal proofs. A graphing calculator is required.

**MATH1004H HONORS ALGEBRA 2 / TRIGONOMETRY** *Grade 9-11. Placement required. Weighted Grade.* This course is more rigorous than MATH1004 Algebra 2 / Trigonometry. It covers the same topics, but more depth with some additions including sequences and series. Starting with a brief review of some basic axioms and properties in algebra, the course moves quickly to newer topics, integrating real-life applications. A summer packet of Algebra 1 problems may be required. A graphing calculator is required.

**MATH1004 ALGEBRA 2 / TRIGONOMETRY** *Grade 9-12. Placement required* This course expands on concepts covered in Algebra 1 (MATH1002), but develops a deeper understanding, while introducing more advanced algebra topics. Trigonometry topics will be studied beyond what was previously studied in Geometry. A graphing calculator is required.

**MATH3006 ALGEBRA 2** *Grade 11-12. Placement required* This course is devoted to providing an understanding of advanced algebra topics

and expanding on the concepts of Algebra 1 (MATH1002). If the student intends to take Pre-Calculus the following year, it is required that he or she takes Trigonometry during the summer. A graphing calculator is required.

**MATH3007 TRIGONOMETRY** *Grade 11-12. One semester. Prerequisite is Algebra 2.* This is a one-semester course which emphasizes an understanding of the theoretical and practical concepts of trigonometry and their relationship to algebra. A graphing calculator is required.

**MATH3002 PROBABILITY AND STATISTICS** *Grade 11-12. One semester. Prerequisite is Algebra 2.* This is a semester course which emphasizes basic probability and statistical techniques. A graphing calculator is required.

**MATH2002A AP (ADVANCED PLACEMENT) STATISTICS** *Grade 10-12. Prerequisite is Algebra 2/Trig or higher. Weighted Grade.* The Advanced Placement course in statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students who successfully complete the course and AP examination may receive college credit and/or a higher placement in college. A summer reading assignment may be required. A TI-83 plus or a TI-84 plus graphing calculator is required. *NOTE: A TI-89 is not equipped with a statistics package.*

**MATH2006 PRECALCULUS** *Grade 10-12. Prerequisite is Algebra 2/Trig.* This one-year course serves as a prerequisite for Calculus. A major emphasis is on an extended study of various functions, analytic geometry, elementary logic, vectors, polynomials, transcendental functions and an introduction to limits. Trigonometric functions are utilized to solve real-world problems. A graphing calculator is required.

**MATH2006H HONORS PRECALCULUS** *Grade 10-12. Prerequisite is Algebra 2/Trig. Placement required. Weighted Grade.* This one year course is intended as the next sequential course after Honors Algebra 2/Trigonometry and serves as the prerequisite for AP Calculus. In addition to those topics covered in Pre-Calculus, the student will study polynomial and transcendental functions, polar coordinates, vectors and limits. A graphing calculator is required.

**MATH1006A AP (ADVANCED PLACEMENT) COMPUTER SCIENCE 1**

*Grade 9-12. Prerequisite is Geometry. Weighted Grade.* This one-year introductory course emphasizes structured computer programming. JAVA is emphasized as a tool to develop problem solving, encourage student creativity, and facilitate discovery learning. Students who successfully complete this course and the AP Computer Science A examination may receive college credit and/or a higher placement for a college course.

**MATH3008 CALCULUS** *Grade 11-12.* This calculus course reviews Precalculus concepts and introduces a study of limits, derivatives, integrals, and functions including trigonometric, exponential, and logarithmic functions. A graphing calculator is required.

**MATH3009A AP (ADVANCED PLACEMENT) CALCULUS BC**

*Grade 11-12. Prerequisite is Honors Precalculus. Weighted Grade.* Topics covered will include an in-depth study of a variety of functions and a study of limits. In addition, differential and integral calculus with applications in related rates, area and volume will be covered. Further studies include sequences and series, elementary differential equations and proofs of theorems. This course demands analytical reasoning skills and disciplined study habits appropriate for continued success at the college level. Extensive independent study is required. Students who successfully complete the course and AP examination may receive credit and/or a higher placement in a college Calculus class. A completed summer assignment packet is required on the first day of class. A graphing calculator is required. This course is the equivalent of the traditional college level Calculus I & 2 courses.

**MATH3010A AP (ADVANCED PLACEMENT) CALCULUS AB**

*Grade 11-12. Prerequisite is Precalculus. Weighted Grade.* This course is similar to Calculus BC, with less emphasis on rigorous proofs and excludes some topics. The goal of this class is preparation for the AP Calculus AB Exam for college credit. The demands of this course are similar to Calculus BC and involve analytical reasoning skills and disciplined study habits. Students who successfully complete the course and Calc AB AP examination may receive credit and/or a higher placement in a college Calculus

class. Some independent study is required. A completed summer assignment packet is required on the first day of class. A graphing calculator is required. This course is the equivalent of the traditional college level Calculus I course.

**MATH4000D CALCULUS 3 (MATH 241 – 4 SEM. HOURS @ UNIVERSITY OF ILLINOIS) CALCULUS OF SEVERAL VARIABLES**

*Grade 12. Prerequisite is BC Calculus and a 4 or higher on the AP exam. Contact the department chairperson for further explanation. Weighted Grade.* This course is the third course in Calculus and Analytic Geometry. Topics include three-dimensional space, functions of several variables, partial derivatives and multiple integrals. This course uses Mathematica software. There is a fee associated with this course through University of Illinois. Qualifications on: <http://netmath.math.uiuc.edu/whoqual.html>

## MUSIC

Don Devany, *Department Chairperson - MVHS*  
 Charles Staley, *Department Chairperson - NVHS*  
 Will Burck, *Department Chairperson - WVHS*

The Music Department encourages each student to explore his/her or her own capabilities in the area of Fine Arts. Through the courses listed below, students are offered the opportunity to (1) perform, (2) develop aesthetic awareness and appreciation, and (3) acquaint themselves with various aspects of music theory and history.

### MUSIC COURSE LISTINGS

#### VOCAL COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
MUSC1004	Cecillian Singers	Yr. 9	None
MUSC1005	Bass Chorus	Yr. 9-12	None
MUSC2003	Treble Choir	Yr. 10-12	Audition
MUSC2004	Concert Choir	Yr. 10-12	None
MUSC2005	* Varsity Singers	Yr. 10-12	Audition
MUSC2002	* Varsity Chamber Singers	Yr. 10-12	Audition
MUSC4001H	* Honors Varsity Chamber Singers	Yr.12	Audition, Previous HS Choral Experience & Instructor approval

#### ORCHESTRAL COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
MUSC1012	* Concert Orchestra	Yr. 9	Previous Orchestra Experience and/or Instructor approval
MUSC1008	* Concert Strings	Yr. 9	Audition
MUSC2008	* Symphonic Orchestra	Yr. 10-12	Previous Orchestra Experience and/or Instructor approval
MUSC2006	* Symphonic Strings	Yr. 10-12	Audition
MUSC1003	* Chamber Orchestra	Yr. 9-12	Audition
MUSC1007	* Chamber Strings	Yr. 9-12	Audition
MUSC4002H	* Honors Chamber Strings	Yr.12	Audition, Previous HS Orchestra Experience & Instructor approval

\* *This is a two period class (paired with lunch).*

## BAND COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
MUSC1011	* Concert Band	Yr. 9	Previous Band Experience and/or Instructor approval
MUSC1006	* Concert Winds	Yr. 9	Audition
MUSC2009	* Symphonic Band	Yr. 10-12	Previous Band Experience and/or Instructor approval
MUSC2007	* Symphonic Winds	Yr. 10-12	Audition
MUSC1010	* Wind Symphony	Yr. 9-12	Audition
MUSC1009	* Wind Ensemble	Yr. 9-12	Audition
MUSC4003H	* Honors Wind Ensemble	Yr.12	Audition, Previous HS Band Experience & Instructor approval

## THEORY COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
MUSC2000	Music Theory	Sem. 10-12	None
MUSC2001A	AP Music Theory	Yr. 10-12	Music Theory and/or proficiency exam

*\*This is a two-period class (paired with lunch).*

## MUSIC COURSE DESCRIPTIONS

All Music classes are year long, unless noted. Auditioned groups are designated above.

## VOCAL COURSES

**MUSC1004 CECILIAN SINGERS** *Grade 9.* This is the initial choral experience for all freshman girls. Emphases are on fundamentals of vocal technique and music literacy (understanding music notation). Music is selected from all periods. Attendance at concert performances is required.

**MUSC1005 BASS CHORUS** *Grade 9-12.* Bass Chorus is a non-auditioned ensemble for grade 9-12 male voices. Emphasis is placed on fundamentals of vocal technique as it applies to the changing voice, as well as music literacy. Through the study of a varied selection of music literature, students enhance their understanding of music notation and other elements of music. Bass Chorus performs at all choral concerts. Participation in concert performances is required.

**MUSC2003 TREBLE CHOIR** *Grade 10-12.*

This is a choir open to girls on the basis of audition only. Entry level expectations include the ability to read musical notation and sight-sing accurately. Literature is selected with the more proficient singer in focus. Treble Choir performs in each choral concert. Participation in concert performances is required.

**MUSC2004 CONCERT CHOIR** *Grade 10-12.*

Concert Choir is a non-auditioned ensemble open to Grade 10-12. voices. The ensemble meets daily as a treble ensemble and combines in rehearsal with the Bass Chorus (see description below) to perform SATB literature. Emphasis is placed on beginning and intermediate vocal/choral techniques and notational abilities. Literature is selected from all historical periods. Concert Choir performs at all choral concerts. Participation in concert performances is required.

**MUSC2005 VARSITY SINGERS**

**MUSC2002 VARSITY CHAMBER SINGERS**

*Grade 10-12.* The Varsity Choirs are the most advanced, mixed choral ensembles. Music reading abilities and the demonstration of advanced vocal proficiencies are a prerequisite for these ensem-

bles. Students in these courses are expected to be self-motivated and leadership oriented. Students are placed in these ensembles by audition only. Varsity Choirs will meet in two different sections; Varsity Singers and Varsity Chamber (most advanced). These sections will rehearse and perform both separately and together at various concerts as determined by the directors. Combined rehearsal will take place during lunch period.

**MUSC4001H HONORS VARSITY CHAMBER SINGERS** *Grade 12 ♦*

ORCHESTRAL COURSES

*\* An instrumental music fee will be charged for this course.*

**MUSC1012 CONCERT ORCHESTRA** *Grade 9.* A non-auditioned ensemble that introduces freshmen to the high school orchestra experience. This class provides important formative experiences in musicianship. Students will be expected to develop their talents through completion of technique classes. Members may participate in Solo and Ensemble Festivals. Concert performance is required at a minimum of four concerts.

**MUSC1008 CONCERT STRINGS** *Grade 9.* An auditioned group for students with advanced skills. Students will be expected to develop their talents through completion of technique classes. Members may participate in Solo and Ensemble Festivals. Concert performance is required at a minimum of four concerts. Membership is determined by audition and the consent of the instructor.

**MUSC2008 SYMPHONIC ORCHESTRA** *Grade 10-12.* A non-auditioned ensemble that builds upon the formative experiences in musicianship of Concert Orchestra. Students will be expected to advance their talents through completion of technique classes. Members may participate in Solo and Ensemble Festivals. Concert performance is required at a minimum of four concerts.

**MUSC2006 SYMPHONIC STRINGS** *Grade 10-12.* An auditioned ensemble for students with highly developed skills. Students will be expected to develop their talent through completion of technique classes. Concert performance is required at a minimum of four concerts. Membership is determined by audition and the consent of the instructor.

**MUSC1003 CHAMBER ORCHESTRA** *Grade 9-12.* An auditioned string ensemble which utilizes wind and percussion students from the Wind Symphony. Emphasis will be placed on literature specific to the string ensemble. Students will be assigned to chamber ensembles for technique class. Concert performance is required at a minimum of four concerts. Membership is determined by audition and the consent of the instructor. (Available at Neuqua Valley High School only.)

**MUSC1007 CHAMBER STRINGS** *Grade 9-12.* Chamber Strings offers the most advanced orchestral experience through the study and performance of college level works for string and full orchestra. This select string ensemble utilizes the most advanced wind and percussion students from the Wind Ensemble. Students are assigned to chamber ensembles for technique class. Due to the nature of part assignments, there is a strong emphasis on individual preparation for rehearsals and performances. Private study on principal instrument is strongly recommended. Chamber Strings performs at a minimum of four concerts. Members are expected to participate in IHSA Solo & Ensemble Contests. Members will have the opportunity to audition for IMEA district festivals. Membership is determined by audition and the consent of the instructor.

**MUSC4002H HONORS CHAMBER STRINGS** *Grade 12 ♦*

BAND COURSES

*\* An instrumental music fee will be charged for this course.*

**MUSC1011 CONCERT BAND** *Grade 9.* A non-auditioned ensemble that introduces freshmen to the high school band experience. This class provides important formative experiences in musicianship. Students will be expected to develop their talents through completion of technique classes. Members may participate in Solo and Ensemble Festivals. Concert performance is required at a minimum of four concerts.

**MUSC1006 CONCERT WINDS** *Grade 9.* An auditioned group for students with advanced skills. Students will be expected to develop their talents through completion of technique classes. Members may participate in Solo and Ensemble Festivals. Concert performance is required at a minimum of

four concerts. Membership is determined by audition and the consent of the instructor.

**MUSC2009 SYMPHONIC BAND** *Grade 10-12.*  
A non-auditioned ensemble that builds upon the formative experiences in musicianship experienced in Concert Band members will be expected to develop their music skill through completion of weekly technique classes. Members may participate in Solo and Ensemble Festivals. Concert performance is required at a minimum of four concerts. Students without previous band experience need instructor's permission before registering.

**MUSC2007 SYMPHONIC WINDS** *Grade 10-12.* An auditioned ensemble for students with highly developed skills. Members are expected to develop their talents through completion of weekly technique classes. Members may participate in Solo and Festivals. Concert performance is required at a minimum of four concerts. Membership is determined by audition.

**MUSC1010 WIND SYMPHONY** *Grade 9-12.*  
This ensemble provides sophisticated instrumental experiences through study and performance of master works for winds and percussion. Members are expected to advance their musicianship through completion of techniques classes. The Wind Symphony performs at a minimum of 4 concerts. Members may participate in IHSA Solo & Ensemble Contests. Members may have the opportunity to audition for IMEA district festivals. Membership is determined by audition and the consent of the instructor. Attendance at performances is required.

**MUSC1009 WIND ENSEMBLE** *Grade 9-12.*  
Wind Ensemble offers the most advanced instrumental experience through study and performance of college level works for winds and percussion. Due to the soloist nature of part assignments, there is a strong emphasis on individual preparation for rehearsals and performance. Private study on principal instrument is strongly recommended. Wind Ensemble performs at a minimum of four concerts. Members are expected to participate in IHSA Solo & Ensemble Contests. Members will have the opportunity to audition for IMEA district festivals. Membership is determined by audition. Consent of the instructor and attendance at performances are required.

**MUSC4003H HONORS WIND ENSEMBLE**  
*Grade 12 ♦*

#### THEORY COURSES

**MUSC2000 MUSIC THEORY** *Grade 10-12.*  
*One semester.* This music class is an introductory course to the basic building blocks of music. The content includes the following areas of concentration: scales, intervals, chord structure and progressions, beginning harmony, and elementary ear training. This course is especially useful for all serious music students who plan to continue in music beyond high school. Students will have the opportunity to complete assignments using MIDI keyboards and computers.

**MUSC2001A AP (ADVANCED PLACEMENT) MUSIC THEORY** *Grade 10-12. Prerequisite is Music Theory MUSC2000 or placement.* Music Theory AP is a continuation of MUSC2000. Students will study four-part writing, harmonic progression, texture, form, non-harmonic tones, and secondary dominants. Ear training and sight singing will be stressed. Students will have the opportunity to complete assignments using MIDI keyboards and computers. Students who successfully complete the course and AP examination may receive college credit and/or a higher placement in college.

♦ *SENIORS enrolled in MUSC4001H, MUSC4002H, or MUSC4003H may be eligible to take one of these courses for weighted credit. In addition to meeting all the criteria for the standard course, senior students eligible for a weighted grade will create a performance and research portfolio which will include four small ensemble performances with a comprehensive written critique: two evaluations of concert programs and tangible evidence of leadership activities leading to substantial musical achievement. Students may prepare auditions related to college applications in lieu of the fourth small ensemble performance. Audition and instructor's permission required.*

## PHYSICAL EDUCATION, HEALTH EDUCATION, AND DRIVER EDUCATION

Michelle Augustyniak, *Department Chairperson - MVHS*

Bill Casey, *Department Chairperson - NVHS*

Kevin Chaffee, *Department Chairperson - WVHS*

The Physical Education programs seek to provide opportunities for each student to develop their individual fitness level through a wide variety of coeducational, fitness-based activities.

### PHYSICAL EDUCATION, HEALTH & DRIVER EDUCATION COURSE LISTINGS

#### PHYSICAL EDUCATION COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
PE1100	P.E. (Freshman)	Yr. 9	None
PE2100	P.E. (Sophomore)	Yr. 10	P.E. 1
PE3100	P.E. (Junior)	Yr. 11	P.E. 2
PE4100	P.E. (Senior)	Yr. 12	P.E. 3
PE1000	Adapted P.E.	Yr. 9-12	Placement
PE1029	P.E. Leaders	Yr. 11-12	Instructor approval

#### HEALTH EDUCATION COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
PE2101	Health Education	Sem. 10	None
PE2001O	Online Health	Sem. 10	None
PE3101	Advanced Health	Sem. 11-12	

#### DRIVER EDUCATION COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
DRVR2000	Driver Education*	Sem. 9-12	Minimum 8 classes passed in previous two semesters

\* *Course has a required fee for behind the wheel phase*

## PHYSICAL EDUCATION AND HEALTH EDUCATION COURSE DESCRIPTIONS

PE classes are required every semester, except when taking Health PE2101.

**PE1100 PHYSICAL EDUCATION 1** *Grade 9.* Emphasis for this course is on physical fitness, fundamental skills and rules of each activity, and knowledge of the importance of fitness for life. Units may include: Personal Fitness, Rock Climbing, Adventure Education, CPR & AED Course, and Fitness Integration Through Sport (FITS).

**PE2100 PHYSICAL EDUCATION 2** *Grade 10.* Sophomores will have Health for one semester and Physical Education for the other semester. Units will include: Social Dance, Fitness Consumerism and Swimming.

**PE3100 PHYSICAL EDUCATION 3**  
**PE4100 PHYSICAL EDUCATION 4**  
*Grade 11-12.* Physical fitness and knowledge of activities will continue to be developed, along with leadership and teamwork. Students have the opportunity to elect a variety of activities to enhance their fitness level. Units are selected by students in their physical education period. Courses will have maximum capacities. Units may include: BodySculpt, Applied Personal Fitness, Skill and Body Development, Lifetime Motion, Rollerblading, Softball, Golf, Football, Badminton, Lacrosse, Swimming, Indoor Hockey, Volleyball, Pickleball, Team Handball, Basketball, Soccer, Kayaking, Water Polo, Jazz Dance, Tap Dance, Dance of the Decades, Hip Hop Dance, Self-Defense, Bowling, CPR, Scuba, Jr. Leaders, Peer Partners, Rock Climbing and Adventure Education.

**PE1000 ADAPTED PHYSICAL EDUCATION**  
*Grade 9-12. Placement required.* Physical education must be provided for all public school children. "Adapted" refers to an individual physical education program designed for students with unique needs. Students will be accompanied by Peer Partners. Adapted physical

education gives students who cannot safely and/or successfully participate in the regular physical education program a chance to become all that one can physically be.

**PE2101 HEALTH EDUCATION** *Grade 10.*

**PE20010 ONLINE HEALTH EDUCATION**

One semester, required by the State of Illinois to graduate. This course is incorporated into the Physical Education curriculum at the tenth grade level. It includes the following areas of study:

- Wellness
- Stress Management
- Mental Health
- Suicide Prevention
- Coping with Loss
- Aging, Death, and Dying
- Nutrition
- Male & Female Reproductive Anatomy & Physiology\*
- Human Growth & Development\*
- Abstinence\*
- Birth Control\*
- Marriage & the Family\*
- Sexually Transmitted Diseases\*
- Prevention and Control of Disease
- Prevention of Alcohol, Tobacco, and other Drug Abuse
- Injury Prevention and Safety

\*Parents may review course materials used in the instruction of these units and elect to have their child study alternative materials during the time allotted for a unit.

**PE3101 ADVANCED HEALTH** *Grade 11-12.*

*One semester. Instructor approval.* This course will provide students with the opportunity to expand on their current level of health and wellness. Students will also study health issues in depth, and further explore health-related concepts. Some topics covered are health promotion, disease prevention, interpersonal communication skills, critical thinking, decision making, health careers, and current health topics. In addition, the students will also have input as to the topics covered in class.

**PE1029 P.E. LEADERS** *Grades 11-12.*

*Prerequisite is Instructor approval.* This course is offered to students who are interested in developing leadership skills within a Physical Education environment. Junior year students will go through a year of training concentrating on skill development, technique analysis, game strategies, teaching progressions and lesson plan writing. A strong emphasis is placed upon the development of responsibility for self and others, leadership skills, and peer teaching. Senior year students will be able to utilize their leadership skills by

assisting a Physical Education teacher. Responsibilities would include leading warm-up activities, officiating game play, helping students with skill development and being a positive role model to the students in their class.

## DRIVER EDUCATION

The State of Illinois requires two phases of instruction to obtain a driver's license. The classroom phase is required for graduation. Both phases may be taken from either the high school or an accredited driver ed. business. If a student attends an outside agency, the student must submit proof of classroom phase completion to the guidance office. The State also requires that a student pass a minimum of 8 classes in the two preceding semesters including middle school, to take Driver Ed.

**CLASSROOM PHASE** The State of Illinois requires at least 30 hours of instruction if the student desires to obtain his/her legal driver license before 18 years of age. Classroom instruction is required for graduation and must be taken prior to or at the same time as the Behind-the-Wheel Phase.

**BEHIND-THE-WHEEL PHASE** *This part of the program is voluntary.* The State of Illinois requires this phase if students desire their licenses before they reach 18 years of age. At least six hours driving instruction and six hours of observation time is required. Course has a required fee.

**DRVR2000 DRIVER EDUCATION** *Grade 9-12. One semester.* The Driver Education program offers both classroom and behind the wheel instruction. The District reserves the right to deny a student behind the wheel instruction if it determines that the student is not capable of completing it safely.

Students will register for driver education like any other subject and will receive credit. Students are scheduled by birthdate priority. A student is not guaranteed driving during the semester he or she takes the classroom phase of Drivers Ed. Any student participating in the behind-the-wheel phase will need to provide the instructor with two checks; one payable to the Secretary of State, for the driving permit; the second check payable to School District #204 which helps to defray the expense of the driving phase, an optional service our district provides.

## SCIENCE

Matt Kirkpatrick, *Department Chairperson - MVHS*

Paul Vandersteen, *Department Chairperson - NVHS*

Ray Hanus, *Department Chairperson - WVHS*

The science curriculum is designed to meet the needs of all of our students. The curriculum is structured into two distinct sequences based upon students' abilities and a group of electives for any student. Any six semesters of science, successfully completed, may be counted to fulfill the three-year requirement for graduation. The Science Department believes it is in the best interest of the student to experience two disciplines of science within his/her three-year science requirement. By completing both a life science and a physical science course, a student can have a better appreciation of the scope of science, be more prepared for specific content on standardized tests, and have a solid foundation for further science exploration.

Because Honors and Advanced Placement (AP) course work is accelerated and more sophisticated, upper level work of high quality in a compacted time frame is demanded of students. The Science Department has developed recommendations for student success. These criteria are indicators of performance levels or standards for the honors or AP courses and are available from the Science Department.

### SCIENCE COURSE LISTINGS

#### COLLEGE PREP COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
SCI2006	Earth Science	Yr. 10-12	None
SCI2016	Horticulture	Yr. 10 -12	Biology or Instructor approval
SCI3000	Greenhouse Mgmt. & Floral Design	Yr. 11-12	Horticulture
SCI2001	Astronomy: (Exploring the Universe)	Sem. 10 -12	None
SCI2001O	Astronomy Online: (Exploring the Universe)	Sem. 10 -12	None
SCI2017	Chemistry/Physics	Yr. 10-12	None
SCI1005	Biology	Yr. 9	None
SCI2018	Chemistry	Yr. 10 -12	Biology and concurrent enrollment in Geometry
SCI2019	Physics	Yr. 11-12	Biology, Chemistry, and Geometry
SCI2002	Cosmic Journey	Yr. 10 -12	Geometry or taken concurrently w/teacher permission
SCI2003	Genetics (Human Genetics, Bioethics & Biotechnology)	Yr. 10 -12	Biology and Chemistry or taken concurrently with Instructor approval
SCI2004	Anatomy & Physiology	Yr. 10 -12	Biology and Chemistry or concurrently with Instructor approval

**SCIENCE COURSE LISTINGS (CONT'D)**

**ACCELERATED & COLLEGE PREP COURSES**

COURSE#	TITLE	LEVEL	PREREQUISITE
SCI1005H	Honors Biology	Yr. 9	Placement
SCI1005A	*AP Biology	Yr. 10 -12	Biology, Chemistry, or Instructor approval
SCI2018H	Honors Chemistry	Yr. 10 -11	Biology and Geometry
SCI2018A	*AP Chemistry	Yr. 11-12	Biology, Chemistry, Algebra 2/Trig
SCI2019H	Honors Physics	Yr. 11-12	Biology, Chemistry, and Algebra 2/Trig
SCI2014A	AP Environmental Science	Yr. 10-12	Biology, Chemistry, Algebra 2/Trig
SCI2019A	AP Physics	Yr. 11-12	Physics & AP Calculus (AB or BC) concurrently

*\*This course meets for 1 and ½ periods (paired with lunch).*

**DUAL CREDIT WITH COLLEGE OF DUPAGE**

Students enrolled in the following courses may apply to earn dual credit with COD. High school students who wish to take the course listed below for dual credit will receive college credit and a COD transcript regardless of whether or not they continue at College of DuPage. These credits may be transferable to other institutions. All dual credit opportunities are pending an agreement between IPSD and COD. To qualify for dual credit, students must complete appropriate applications and placement testing as required by COD. Freshmen are not eligible for dual credit.

**COURSE COMPLETED**

Anatomy and Physiology: Course SCI2004D

Horticulture: Course SCI2016D

Genetics Block (Frontier): Course FSCI2015BD

**CREDIT AT COD**

Anatomy and Physiology 1500  
Survey of Human Anatomy and Physiology (4 hrs. credit)  
Horticulture 1100  
Introduction to Horticulture (3 hrs. credit)  
Biology 1120  
Introduction to Genetics (3 hrs. credit)

**SCIENCE COURSE DESCRIPTIONS**

All Science courses are year-long except Astronomy.

**SCI2006 EARTH SCIENCE** *Grade 10-12. Prerequisite is one year of science or Instructor approval.* This course represents an overview of the Earth. It engages each student in a laboratory study of topics in geology, including rocks and minerals, earthquakes and volcanoes, streams and glaciers. The topics of weather and climate are explored as well.

**SCI2016 HORTICULTURE** *Grade 10-12. Prerequisite is Biology.* This course places emphasis on botany, plant parts and processes, propagation, careers, and plant identification. Students are introduced to greenhouse management, landscape and floral design. The greenhouse and floral lab are used to give students a firsthand knowledge of

concepts. This course is a college preparatory class for students interested in majoring in biological sciences or horticulture. This course is not NCAA core approved.

**SCI3000 GREENHOUSE MANAGEMENT & FLORAL DESIGN** *Grade 11-12. Prerequisite is Horticulture.* This course will stress greenhouse management, plant production, and floral design. Specific plant growth topics including, but not limited to, botany, plant identification, plant management, propagation and careers will be stressed. Extensive use of the lab facilities and the greenhouse will be used to demonstrate concepts and supply students with first-hand knowledge of plant growth and management practices. The students will create a greenhouse design and management project. This course is not NCAA core approved.

**SCI2017 CHEMISTRY/PHYSICS** *Grade 10-12. Prerequisite is one year of science.* This course provides students with a solid foundation of physical science and the laboratory techniques used to test and support such knowledge. One semester is an introduction to the principles of chemistry; the other is an introduction to the principles of physics.

**SCI1005 BIOLOGY** *Grade 9.* This laboratory is the traditional biology course. It is organized and conducted to provide students with a sound and comprehensive understanding of biology. Strong emphasis is given to understanding fundamental biological processes and how they apply to our daily lives.

**SCI1005H HONORS BIOLOGY** *Grade 9. Weighted grade.* The laboratory experiences emphasize biology as an investigative process based on inquiry. Creating hypotheses by studying the facts and devising an explanation for them is a crucial part of this curriculum. Teaching strategies enable students to learn science through a natural development process. Beginning with exploration and moving through invention to application, students build solid foundations in biological concepts and theories while developing higher-order thinking skills.

**SCI1005A AP (ADVANCED PLACEMENT) BIOLOGY** *Grade 10-12. Prerequisites are Biology, Chemistry, or Instructor approval. Weighted grade.* This course is a college-level laboratory course dealing with advanced topics in biology. There are twelve mandatory laboratory experiences dealing with such topics as diffusion, osmosis, enzyme catalysis, molecular biology, and genetics. Students may receive college credit in biology by qualifying on an examination administered by the College Entrance Examination Board at the end of the course.

**SCI2018H HONORS CHEMISTRY** *Grade 10-12. Prerequisites are Biology and Geometry. Weighted grade.* This course introduces students to the fundamental concepts and theories of chemistry. This laboratory course emphasizes problem-solving, analysis, critical thinking, and experimentation.

**SCI2018 CHEMISTRY** *Grade 10-12. Prerequisite is Biology.* This course introduces the college bound student to basic chemical principles through lecture, laboratory and group work. The laboratory emphasizes the discovery of key concepts through the analysis of student generated data.

**SCI2018A AP (ADVANCED PLACEMENT) CHEMISTRY** *Grade 11-12. Prerequisites are Chemistry and Algebra 2/ Trig. Weighted grade.* Advanced Chemistry is a college level laboratory course dealing with advanced topics in inorganic chemistry. Students may receive college credit in Advanced Chemistry by qualifying on an examination administered by the College Entrance Examination Board at the conclusion of the course. This course is weighted and emphasizes problem solving and lab experience. It is a good preparation for chemistry, engineering and medical careers. Honors Chemistry is strongly recommended.

**SCI2019H HONORS PHYSICS** *Grade 11-12. Prerequisites are Biology, Chemistry, Algebra 2/Trig. Weighted grade.* This course introduces students to the basic concepts and theories of physics. The pace and scope of this course are designed for students with a sound understanding of algebra, geometry, and trigonometry. This course emphasizes problem-solving and experimentation. Honors Precalculus is strongly recommended.

**SCI2019 PHYSICS** *Grade 11-12. Prerequisites are Biology, Chemistry, Algebra, and Geometry.* Physics presents a practical overview of general classical and modern physics topics. In this introductory course the emphasis will be upon laboratory investigations leading to a firm grasp of conservation of momentum, energy and charge. The math requirement entails proficient use of algebra and plane geometry.

**SCI2001 ASTRONOMY: EXPLORING THE UNIVERSE** *Grade 10-12. Semester course.* This is an introductory course that focuses on observational astronomy. The planetarium may be used in order for students to comprehend observational techniques and coordinates that help them observe the heavens. Seasonal stars and constellations, their mythologies, and constellation creation are the main focuses of this class.

**SCI2001O ASTRONOMY ONLINE: EXPLORING THE UNIVERSE** *Grade 10-12. Semester course.*

This is an introductory course that focuses on observational astronomy. The planetarium is used in order for students to comprehend observational techniques and coordinates that help them observe the heavens. Seasonal stars and constellations, their mythologies, and constellation creation are the main focuses of this class.

**SCI2002 COSMIC JOURNEY** *Grade 10-12.*

*Prerequisite is geometry (may be taken concurrently).* Students begin their journey at the time of the Big Bang and explore the universe through the eyes of Galileo, Copernicus, Kepler, Newton and other great minds. As they journey into present times, they learn about the extinction of the dinosaurs, the solar system, galaxies, stars, black holes, and the laws that govern the universe. Many laboratory experiences and group projects, along with trips to the planetarium, will be used to reinforce the astronomical concepts learned in class. Each student will also construct his/her own refracting telescope. A field trip to the Museum of Science and Industry to explore the Henry Crown Space Center and the Omnimax Theatre are also included.

**SCI2003 HUMAN GENETICS, BIOETHICS, AND BIOTECHNOLOGY** *Grade 10-12. Prerequisite is Chemistry (may be taken concurrently).*

This college level course introduces students to the fundamental concepts of genetics. It is designed to acquaint students with not only the classical patterns of inheritance but also with the present day findings in molecular genetics. Laboratory experiments provide active participation in demonstrating and applying the concepts and theories of genetics and biotechnology. Present day bioethics issues in biotechnology are addressed.

**SCI2015BD GENETICS BLOCK (FRONTIER)**

*Grade 12.* This college level course introduces students to the concepts of heredity and the current use of such information. Topics included are classical and post-classical genetic transmission, the structure and function of the chromosome, chromosomal abnormalities, the chemical nature of DNA, biotechnology, gene expression, mutations, population genetics, and evolution. Special consideration is given to the ethics of societal use of genetic technology today. Students may apply

to earn dual credit through COD.

**SCI2004 ANATOMY AND PHYSIOLOGY**

*Grade 10-12. Prerequisite is Chemistry (may be taken concurrently).* This college level course introduces students to the fundamental concepts of human anatomy and physiology. Particular emphasis is placed on animal dissections to help the students learn how the human body functions. Students may apply to earn dual credit through COD.

**SCI2014A AP (ADVANCED PLACEMENT) ENVIRONMENTAL SCIENCE** *Grade 11-12.*

*Prerequisite is Chemistry and Algebra 2/Trig. (may be taken concurrently). Weighted grade.* The goals of the AP Environmental Science course are to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world; to identify and analyze environmental problems both natural and man-made; to evaluate the relative risks associated with these problems; and to examine alternative solutions for resolving and/or preventing them. Environmental science is interdisciplinary, embracing a wide variety of topics that include ecology, geology, history, sociology, economics, and chemistry. Field experiences may include a four-day trip to northern Wisconsin, and/or one-day trips to a local prairie, stream, and forest. There may be a one-time fee associated with the experiences.

**SCI2019A AP (ADVANCED PLACEMENT)**

**PHYSICS** *Grade 11-12. Prerequisites are Physics and Calculus (may be taken concurrently). Weighted grade.* This calculus-based college style physics course is structured to provide a strong preparation in physics for those intending to major in engineering, mathematics, physics, astronomy, or medicine. Students may receive college credit in Advanced Physics by qualifying on an examination administered by the College Entrance Examination Board at the end of the course.

## SOCIAL STUDIES

Don Pankuch, *Department Chairperson - MVHS*

Tom McManamen, *Department Chairperson - NVHS*

Lorie Cristofaro, *Department Chairperson - WVHS*

Responsible participatory citizenship in our democratic republic is the major goal of the Social Studies program. The basic course offerings should enable the student to develop the necessary skills and understandings to achieve this goal.

### SOCIAL STUDIES COURSE LISTINGS

#### COURSES THAT SATISFY GRADUATION REQUIREMENT

COURSE#	TITLE	LEVEL	PREREQUISITE
SOCS1005	World Geography	Yr. 9	None
SOCS1006H	Honors World History	Yr. 9	None
SOCS1006A	AP World History	Yr. 9-12	None
ENGL2022B	American Society (Block with English 2)	Yr. 10	A Freshman Social Studies Course
SOCS2000	American Studies	Yr. 10-12	A Freshman Social Studies Course
SOCS2008	U.S. History	Yr. 10-12	A Freshman Social Studies Course
SOCS3011O	Online U.S. History	Yr. 11-12	A Freshman Social Studies Course
SOCS3011A	AP U.S. History	Yr. 11-12	A Freshman Social Studies Course
SOCS4000	Government	Sem. 12	None
SOCS3014A	AP Government and Politics	Yr. 11-12	An American History Course
SOCS1007A	AP Human Geography	Yr. 9-12	None

#### ELECTIVE COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
SOCS3015A	AP European History	Yr. 10-12	A Freshman Social Studies Course
SOCS3013A	AP Psychology	Sem. 11-12	Psychology 1
SOCS2010	Military History	Sem. 10-12	A Freshman Social Studies Course
SOCS3012	Psychology 1	Sem. 11-12	A Freshman Social Studies Course
SOCS3013	Psychology & Group Behavior	Sem. 11-12	A Freshman Social Studies Course
SOCS3016	Sociology	Sem. 11-12	A Freshman Social Studies Course
SOCS2009	U.S. Geography	Sem. 10-12	A Freshman Social Studies Course

## SOCIAL STUDIES COURSE DESCRIPTIONS

**ENGL2022B AMERICAN SOCIETY TWO PERIOD BLOCK OF AMERICAN HISTORY/ ENGLISH 2** *Grade 10. Year-long. Prerequisite is a prior completion of a social studies course.* This is a year-long two-period block-scheduled class in which students receive individual grades for both History and English. The linkage between the two courses allows for many opportunities to emphasize the connections between American history, literature, art, music and architecture through team-teaching, and joint assignments and projects. The course demands active student participation, intensive outside reading, and challenges beyond the classroom setting (i.e. field trips, projects). Students who are interested in studying history and English through this creative, humanities emphasis will enjoy this option. This course satisfies the American History and the English 2 graduation requirement.

**SOCS2000 AMERICAN STUDIES** *Grade 10-12. Year-long. Prerequisite is a prior completion of a social studies course.* American Studies is the study of American History as shaped by American culture. This course integrates traditional history topics with art, music, literature, fashion, and architecture. Course activities demand active student participation, intensive outside readings, and challenges beyond the classroom. Students who are interested in studying history through this unique approach will enjoy American Studies. This course satisfies the American History graduation requirement.

**SOCS3015A AP (ADVANCED PLACEMENT) EUROPEAN HISTORY** *Grade 10-12. Year-long. Weighted grade. Prerequisite is a prior completion of a social studies course.* The purpose of this full-year elective is to give students an opportunity to explore in-depth themes of modern European history from the High Renaissance to the recent past. Students who are particularly interested in a more in-depth approach, developing an understanding of the importance of analyzing historical documents, and expressing this understanding in writing would benefit from this course. The AP European History course prepares students for the AP examination and intermediate and advanced

college course work. In order to take this course, a sophomore should have an A in World Geography or an A or B in Honors World History. If students plan to take AP European and AP US History, it is recommended that they take AP European first as a sophomore. Summer work may be offered to help students successfully prepare for the rigorous and extensive coursework that will be expected throughout the school year.

**SOCS3014A AP (ADVANCED PLACEMENT) GOVERNMENT AND POLITICS** *Grade 11-12. Year-long. Weighted grade. Prerequisite is an American History course.* This introductory college-level course provides students with conceptual tools necessary to develop an understanding of the world's diverse political structure and practices. With a focus on American government and politics during the first semester, and comparative governmental systems during the second semester, the course encompasses the study of specific countries, their governments, and their political climates. Summer work may be offered to help students successfully prepare for the rigorous and extensive coursework that will be expected throughout the school year. Upon successful completion of this course, students may take AP exams in U.S. Government and /or Comparative Politics. This year-long course satisfies Federal and State Constitutional graduation requirements and satisfies the Government graduation requirement.

**SOCS1007A AP (ADVANCED PLACEMENT) HUMAN GEOGRAPHY** *Grade 9-12. Year-long. Weighted grade.* This year-long college level course focuses on the impact human populations have on the planet. Units of study include the cultural patterns of religion, ethnicity, and gender; the population patterns of migration, growth, and settlement; and the historical global patterns of economic development, agriculture, and urbanization. Students will develop the ability to think geographically and apply the skills and tools of a geographer to analyze the world. Field studies to local areas are used as learning opportunities. This course is designed to represent an introductory one-semester human geography college course and will prepare students to take the AP Human Geography exam. Summer work may be offered to help students successfully prepare for the rigorous and extensive coursework that will be expected throughout the school year. This course satisfies the freshmen graduation requirement.

**SOCS3013A AP (ADVANCED PLACEMENT) PSYCHOLOGY**

*Grade 11-12. One semester (2nd sem. only). Weighted grade. Prerequisite is Psychology 1.* Building upon the principles of Psychology 1, this course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in psychology. The course will prepare students for intermediate and advanced college courses by making demands upon them equivalent to those of full year introductory psychology courses. The content will focus on advanced experimental design, biological functioning, sensation and perception, motivation and emotion, developmental psychology, psychological disorders and their treatments, and social psychology. Intensive reading and writing skills will be a major focus, as will hands-on research and experimentation. This course will prepare the students to take the AP Psychology exam.

**SOCS3011A AP (ADVANCED PLACEMENT) UNITED STATES HISTORY**

*Grade 11-12. Year-long. Weighted grade. Prerequisite is prior completion of a social studies course.* This course in American history is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in American history. The course will prepare students for intermediate and advanced college courses by making demands upon them equivalent to those of full-year introductory college courses. Students could receive college credit in American History by qualifying on an examination administered by the College Entrance Examination Board at the conclusion of the course. Summer work may be offered to help students successfully prepare for the rigorous and extensive coursework that will be expected throughout the school year. This course satisfies the American History graduation requirement.

**SOCS1006A AP (ADVANCED PLACEMENT) WORLD HISTORY**

*Grade 9-12. Year-long. Weighted grade.* Covering from 8,000 BC to the present, this full-year college level history course requires students to master factual knowledge as well as develop analytical skills necessary to be a historian. Specific themes are used as a framework to analyze regions around the globe including Africa, the Americas, Asia, and Europe. Throughout the year, students will use documents and primary sources, make comparisons across cultures, and develop the vital habits of mind

required to be successful on the AP World History exam. This course imposes a heavy reading and writing workload throughout the year. The demands on students are equivalent to a full-year introductory college course therefore AP World History is considered much more rigorous than Honors World History. AP World History covers more topics at a faster pace requiring students to enter the course with very high reading, writing and critical thinking skills. Summer work may be offered to help students successfully prepare for the rigorous and extensive coursework that will be expected throughout the school year. Any incoming freshmen that wish to enroll in this course must be recommended by their 8th grade English and history teacher. This course satisfies the freshmen graduation requirement.

**SOCS4000 GOVERNMENT**

*Grade 12. One semester.* Government introduces the student to the basic principles of political science. Emphasis is placed on students becoming part of an active citizenry. The semester course covers the foundations of government, the Constitution, political parties, campaigns, and the three branches of American Government. Group and individual projects are utilized. This class is required for graduation. Federal and State Constitutional graduation requirements will be covered in this course. This course satisfies the Government graduation requirement

**SOCS1006H HONORS WORLD HISTORY**

*Grade 9. Year-long. Weighted grade.* This year-long course is presented from a geographical, political, and cultural point of view. The first semester begins with Ancient Egypt and concludes with the European Middle Ages. The second semester presents the rise of nation states, age of exploration, western imperialism, the Industrial Revolution, and concludes with the First World War. The course emphasizes analytical thought and is recommended for advanced students. Honors World History is taught at a very fast pace and students are required to master difficult readings, organize and write essays independently, and apply critical thinking skills in all of their work. Independent learning and self-motivation are required. This course satisfies the freshmen graduation requirement.

**SOCS2010 MILITARY HISTORY**

*Grade 10-12. One semester. Prerequisite is prior completion of a social studies course.* This course is designed to deal with the various aspects of warfare throughout

human history. Topics include the nature of war, concepts of tactics and strategy, technology and methods of warfare, great military leaders, crucial battles and their effect on history, as well as the present and future trends in warfare.

**SOCS3012 PSYCHOLOGY 1** *Grade 11-12. One semester. Prerequisite is prior completion of a social studies course.* Psychology is the study of the behavior of living things. This course will provide students with an understanding of their own behavior, as well as the behavior of other individuals in society. Students will receive an overview of the many subfields of psychology including: an introduction to the scientific method, study of the brain, sleep and dreams, learning theory, memory, intelligence, personality, mental health and abnormal behaviors. This is a college-prep course which requires challenging reading. There will be an emphasis on student-centered projects. Opportunities may also be available to work with the “Kid-to-Kid” program.

**SOCS3013 PSYCHOLOGY AND GROUP BEHAVIOR** *Grade 11-12. One semester. Prerequisite is prior completion of a social studies course.* Psychology and Group Behavior is a basic level course combining the theories of psychology and sociology, allowing students to develop a perspective on their own life experiences and their relationship to the structure of our society and its pressures. The content will focus on personality theory, group and family interaction, mental illness, therapy, cultural awareness, and socialization issues. “Hands-on” learning, class discussions, role-playing, guest speakers, lectures, projects, and paperbacks relevant to the above topics will be incorporated. This course is in lieu of Psychology 1 (SOCS3012) and/or Sociology (SOCS3016).

**SOCS3016 SOCIOLOGY** *Grade 11-12. One semester. Prerequisite is prior completion of a social studies course.* Sociology will provide students with the basic concepts and tools necessary for understanding human social behavior in a complex world. The course examines the structures and functions of society from a purely sociological perspective and then examines current social issues in America. Topics to be covered include; culture, socialization, class status, urbanization, religion, family, prejudice, discrimination, and crime. This is a college prep course which requires challenging reading.

**SOCS2009 UNITED STATES GEOGRAPHY**

*Grade 10-12. One semester. Prerequisite is prior completion of a social studies course.* This course is designed to provide students with geographical knowledge of the United States studied from both a regional and an urban approach. Various geographic topics are studied such as human geography, environmental issues, cartography skills, and the geography of Illinois. Supplemental reading is required.

**SOCS2008 UNITED STATES HISTORY** *Grade 10-12. Year-long. Prerequisite is prior completion of a social studies course.* This course is a comprehensive study focusing on major themes and concepts essential to understanding American economic, political, and social institutions. Learning emphasizes analytical writing, interpreting historical documents, developing both written and oral communication skills, understanding cause and effect relationships, discovering the significance of people, places and events impacting U.S. History, and applying historical principles in today’s world. First semester explores the foundations of the U.S. includes the Constitution, Minorities, Innovations, Chicago History, and Reform. The second semester explores the 20th Century by decades and traces the development of the U.S. both internally and as a global power. Key topics include morality in the 1920’s, the Great Depression, the Homefront during WW2, the struggle for Civil Rights, the Vietnam Era and contemporary issues. This course satisfies the American History graduation requirement.

**SOCS30110 ONLINE UNITED STATES HISTORY** *Grade 11-12. Year-long. Prerequisite is prior completion of a social studies course.* This course is a comprehensive study focusing on major themes and concepts essential to understanding American economic, political, and social institutions. Learning emphasizes analytical writing, interpreting historical documents, developing both written and oral communication skills, understanding cause and effect relationships, discovering the significance of people, places and events impacting U.S. History, and applying historical principles in today’s world. First semester explores the foundations of the U.S. includes the Constitution, Minorities, Innovations, Chicago History, and Reform. The second semester explores the 20th Century by decades and traces the development of the U.S. both internally and as a global power. Key topics include morality in the 1920’s, the Great Depression, the Homefront during

WW2, the struggle for Civil Rights, the Vietnam Era and contemporary issues. This course satisfies the American History graduation requirement.

**SOCS1005 WORLD GEOGRAPHY** *Grade 9.*

*Year-long.* The study of world geography provides students with a strong foundation for future social studies courses. Students will learn about the complex interrelation of physical, cultural, and economic geography. An emphasis is placed on the historical and political changes occurring within each region of study and the impact the geographic factors have on the day-to-day lives of people. Throughout the course students will also analyze and develop a deeper understanding of a wide range of global issues: human rights, genocide, disease, overpopulation, resources, environmental dangers, world trade, emerging nationhood, and independence. The major world religions will also be studied. Students will develop critical thinking, reading, writing, and speaking skills. Regular homework reading beyond the textbook will be required. This course satisfies the freshmen graduation requirement.

## TECHNOLOGY AND ENGINEERING EDUCATION

Jill Hlavacek, *Department Chairperson - MVHS*

Lisa Traut, *Department Chairperson - NVHS*

Andrea Hendrickson, *Department Chairperson - WVHS*

The Technology Department's courses and curriculum revolve around providing students with learning and activities focused on the five areas of technology: manufacturing, communication, transportation, energy and power, and construction. The majority of Technology and Engineering classes require safety glasses that must be purchased by the student. There are materials fees associated with such classes in Technology and Engineering when students make projects to be taken home upon completion.

*All TEE courses require a material and/or workbook fee.*

### TECHNOLOGY AND ENGINEERING EDUCATION (TEE) COURSE LISTINGS

#### MANUFACTURING AND CONSTRUCTION TECHNOLOGY

COURSE#	TITLE	LEVEL	PREREQUISITE
TEE1001	Engineering* Technology 1	Sem. 9-12	None
TEE1002	Engineering* Technology 2	Sem. 9-12	Engineering Technology 1
TEE1003	Woods Fabrication 1	Yr. 10-12	None
TEE2001	Woods Fabrication 2	Yr. 11-12	Woods Fabrication 1
TEE2002	Introduction to Construction	Sem. 10-12	None
TEE3009B	Construction Trades (3 period block)	Yr. 11-12	Introduction to Construction
TEE4005I	Technology and Engineering Independent Study	Yr. 12	Level 1 and 2 courses in specific area and Instructor approval

#### COMMUNICATION TECHNOLOGY

COURSE#	TITLE	LEVEL	PREREQUISITE
TEE1001	Engineering* Technology 1	Sem. 9-12	None
TEE1002	Engineering* Technology 2	Sem. 9-12	Engineering Technology 1
TEE2003	Drafting & Design	Yr. 10-12	None
TEE3001	Architectural Drafting	Yr. 11-12	Drafting & Design
TEE3002	Computer Aided Draft. & Design	Yr. 11-12	Drafting & Design
TEE1014	Media Communication & Production 1	Yr. 9-12	None
TEE2007	Broadcast Journalism & Production 2	Yr. 10-12	Media Communication 1 and Instructor approval
TEE3013	Broadcast Journalism & Production 3	Yr. 11-12	Broadcast Journalism 2 and Instructor approval
TEE4002I	Technology and Engineering Independent Study	Yr. 12	Level 1 and 2 courses in specific area and Instructor approval

**TECHNOLOGY AND ENGINEERING EDUCATION (TEE) COURSE LISTINGS (CONT'D)****TRANSPORTATION TECHNOLOGY**

<b>COURSE#</b>	<b>TITLE</b>	<b>LEVEL</b>	<b>PREREQUISITE</b>
TEE1001	Engineering Technology 1*	Sem. 9-12	None
TEE1002	Engineering Technology 2*	Sem. 9-12	Engineering Technology 1
TEE1004	Power Mechanics	Sem. 9-11	None
TEE2005	Automotive Maintenance	Sem. 10-12	None
TEE3003	Automotive Mechanics	Yr. 11-12	Automotive Maintenance
TEE4001B	Automotive Servicing (2 per. block)	Yr. 12	Automotive Mechanics and Instructor approval
TEE4003I	Technology and Engineering Independent Study	Yr. 12	Level 1 and 2 courses in specific area and Instructor approval

**ENERGY TECHNOLOGY**

<b>COURSE#</b>	<b>TITLE</b>	<b>LEVEL</b>	<b>PREREQUISITE</b>
TEE1001	Engineering* Technology 1	Sem. 9-12	None
TEE1002	Engineering* Technology 2	Sem. 9-12	Engineering Technology 1
TEE2006	Electricity	Yr. 10-12	None
TEE3005	Electronics	Yr. 11-12	Electricity
TEE3007	A+ Computer Repair	Yr. 11-12	Electricity or Instructor approval
TEE3008	Computer Networking	Yr. 11-12	Electricity or Instructor approval
TEE4004I	Technology and Engineering Independent Study	Yr. 12	Level 1 and 2 courses in specific area and Instructor approval
TEE4004	Professional & Technical Internship	Yr. 11-12	Instructor approval

\* NVHS enrollment limited to freshmen and sophomores only.

**PROJECT LEAD THE WAY**

COURSE#	TITLE	LEVEL	PREREQUISITE
PLTW2000	Introduction to Engineering Design (PLTW)	Yr. 9-12	Algebra 1
PLTW2002	Digital Electronics (PLTW)	Yr. 10-12	Introduction to Engineering Design
PLTW2003	Civil Engineering & Architecture	Yr. 10-12	Introduction to Engineering Design

**DUAL CREDIT WITH COLLEGE OF DUPAGE**

Students enrolled in the following courses may apply to earn dual credit with COD. High school students who wish to take the course listed below for dual credit will receive college credit and a COD transcript regardless of whether or not they continue at College of DuPage. These credits may be transferable to other institutions. All dual credit opportunities are pending an agreement between IPSD and COD. To qualify for dual credit, students must complete appropriate applications and placement testing as required by COD. Freshmen are not eligible for dual credit.

**COURSE COMPLETED**

Architectural Drafting: Course TEE3001D  
Electricity: Course TEE2060D  
Computer Aided Drafting & Design: Course TEE3022

**CREDIT AT COD**

Architecture 1101-Basic Architectural Drafting (2 hrs. credit)  
Electronics Technology 1100 (3 hrs. credit) Electricity & Electronics Fundamentals  
Architecture 1211-Basic Computer Aided Drafting-Auto CAD (3 hrs. credit)

**TECHNOLOGY AND ENGINEERING (TEE) COURSE DESCRIPTIONS**

**TEE1001 ENGINEERING TECHNOLOGY 1**

*Grade 9-12. One semester.* The course is designed to use Project Based Learning (PBL) as the instructional model. Students will be involved in problem-solving investigations and other meaningful tasks that allow them to work in groups and/or autonomously to solve problems by developing realistic products. Master projects drive the direction of the course and the student learning. The projects cover one of several major technology sectors while employing an enterprise process to design, build, and market an invention or idea. The technologies introduced are AC/DC Power, CNC Milling Technology, Communication Technology, Desktop Publishing & Graphics, Electrical Systems, Engineering Team Building, Manufacturing Tools, Mechanical Systems & Mechanisms, Pneumatics Technology, Quality Control, and Robotics Technology. A lab fee will be charged.

**TEE1002 ENGINEERING TECHNOLOGY 2**

*Grade 9-12. One semester. Prerequisite is Introduction to Engineering 1.* The course is designed to use Project Based Learning (PBL) as the instructional model. Students will be involved in problem-solving investigations and other meaningful tasks that allow them to work in groups and/or autonomously to solve problems by developing realistic products. Master projects drive the direction of the course and the student learning. The projects cover one of several major technology sectors while employing an enterprise process to design, build, and market an invention or idea. The technologies introduced are AC/DC Power, CNC Milling Technology, Communication Technology, Desktop Publishing & Graphics, Electrical Systems, Engineering Team Building, Manufacturing Tools, Mechanical Systems & Mechanisms, Pneumatics Technology, Quality Control, and Robotics Technology. A lab fee will be charged. This course is only offered second semester.

**TEE1003 WOODS FABRICATION 1**

*Grade 10-12. Year-long.* This course is the study of manufacturing technology as it applies to the woodworking industry. Students will display the safe operation of hand tools, power tools, and machinery used in industry. Students will learn to read and draw

blueprints and manufacture a product from those prints. Basic math and measuring skills will be taught as they apply to the industry. A study of trees, wood products, furniture design, fasteners, wood joints, and finishing processes will be covered. Students will explore possible careers. A lab fee will be charged.

**TEE2001 WOODS FABRICATION 2** *Grade*

*11-12. Year-long. Prerequisite is Woods Fabrication I.*

This course involves the study of construction and advanced manufacturing technology. Students will be introduced to the processes used to produce blueprints and products. Students will display the safe operation of hand tools and power tools used in the manufacturing industry while completing various projects. Fees are charged for wood and project supplies.

**TEE2002 INTRODUCTION TO CONSTRUCTION TRADES** *Grade 10-12. One semester.*

This preparatory course is designed for any student interested in learning about construction technology and/or related fields such as architecture, contracting, engineering, and so forth. The student will develop a background in design, preparation, construction and maintenance as it relates to a single-family home. Other career opportunities in construction technology will be explored such as: creating blueprints, surveying, concrete, carpentry, roofing, plumbing, heating and air conditioning, electricity, insulation, siding, drywall, and painting. Safe practices in the use of hand tools and power tools used in the industry will be covered. A lab fee will be charged.

**TEE2003 DRAFTING & DESIGN** *Grade 10-12.*

*Year-long.* This is a beginning course for the drafts person or engineering student, introducing him or her to drafting fundamentals. The course covers drafting equipment usage, materials, an introduction to CADD (Computer-Aided Drafting and Design), and techniques used as a means of technical communications. Drafting techniques are studied and drawings are made with emphasis on description through multi-view, pictorial, architectural, and CADD drawings. The course will also focus on product design process and product design cycle. A lab fee will be charged.

**TEE3001 ARCHITECTURAL DRAFTING**

*Grade 11-12. Year-long. Prerequisite is Drafting and Design.* This course covers general architectural techniques, history of architecture, home styles, construction methods, planning and drafting layouts, and perspective drawings. The course will

also focus on the design process using traditional and CADD techniques to produce a set of residential drawings. The course will be directed both to non-college and college-bound students. This is a COD dual credit course worth two hours of college credit. A lab fee will be charged.

**TEE3002 COMPUTER AIDED DRAFTING**

*Grade 11-12. Year-long. Prerequisite is Drafting and Design.*

This course is designed for engineering students and architectural students using the computer. Auto CAD software will be used. Students will learn to create, store, edit, and plot drawings. They will also learn to set up prototype drawings, create symbol libraries, bills of materials, develop customized screens, and generate 3D models. This is a COD dual credit course worth three hours of college credit. A lab fee will be charged.

**TEE1004 POWER MECHANICS** *Grade 9-11.*

*One semester.* This course is an introductory course in the area of gasoline engine operation and fluid power mechanics. The course of study will be concentrated on small two and four-cycle engine operations. In Power Mechanics, students will also disassemble, inspect, and reassemble small gasoline engines and will learn about the different types of systems. Students will also be introduced to the operations of automotive engines, automotive maintenance and car design for 3 weeks. A lab and workbook fee will be charged. Safety glasses are required.

**TEE2005 AUTOMOTIVE MAINTENANCE**

*Grade 10-12. One semester.* This course is designed for students to gain basic knowledge and skills for maintaining automobiles. This course covers the following areas in automotive maintenance: engine tune-up, lubrication maintenance, electrical maintenance, tires and wheels, drive train maintenance, and seasonal maintenance procedures. Lab and workbook fees will be charged.

**TEE3003 AUTOMOTIVE MECHANICS** *Grade*

*11-12. Year-long. Prerequisite is Auto Maintenance.*

This is a lecture/laboratory course designed primarily to prepare students for job entry or advanced training in automotive service. The students will develop a background in the design, operation, and troubleshooting procedures of the gasoline engine and other related components of the automobile such as the transmission and drive line, brake and electrical systems. Also stressed will be the disassembly of engines, identification of

parts, use of test equipment and service manual, as well as shop safety. Laboratory procedures will be covered. Safety glasses are required. Lab and workbook fees will be charged.

**TEE4001B AUTOMOTIVE SERVICING** *Grade 12. Two periods. Year-long. Two credits. Weighted grade. Prerequisite is Auto Mechanics and Instructor Approval.* This is a lecture/laboratory class designed to give the automotive student a deeper and enriched background in automotive suspension, alignment, brakes, tires and wheels, drive line, and engine and electrical systems. The use of tools, test equipment, service manuals, shop safety, and laboratory procedures will be covered. This course requires two consecutive periods. Safety glasses are required. A lab and workbook fee will be charged.

**TEE2006 ELECTRICITY** *Grade 10-12. Year-long.* This course is designed to acquaint the student with the fundamental theory behind direct and alternating current electricity, common electronic equipment, and electric circuits. Laboratory practice, discussion, and experiments will be part of the course. Simple DC and AC electrical components, motors, generators, inductors, and capacitors will be studied and manipulated to show effects of circuit variables. Each student will be required to construct a simple electrical device. Parts for this device may be purchased through the school or any commercial electronics store. A lab fee will be charged.

**TEE3005 ELECTRONICS** *Grade 11-12. Year-long. Prerequisite is Electricity.* This course is designed to acquaint the student with fundamentals of electronic communication, amplitude modulation, frequency modulation, receivers, and transmitters. Solid-state circuitry and solid-state electronics are also introduced. Laboratory practice, discussion and experiments will be part of the course. In this lab the student will be required to construct an electronic device, the parts for which may be purchased through the school or any commercial electronics store. A lab fee will be charged.

**TEE3007 A+ COMPUTER REPAIR** *Grade 11-12. Year-long. Prerequisite is Electricity or Instructor Approval.* Students interested in building and servicing PC computers should be directed to this class. The latest software and hardware will be utilized to teach students to troubleshoot computers and repair or upgrade them as well. Course

enrollment will dictate at which 204 school the course will be taught.

**TEE3008 COMPUTER NETWORKING** *Grade 11-12. Year-long. Prerequisite is Electricity or Instructor Approval.* This course will introduce students to the fundamentals of computer networking through lectures and hands-on labs. Students will gain a basic understanding of how a network is built, maintained, and upgraded. Students will have an opportunity to program routers, switches, and set up a wireless network. Course enrollment will dictate at which 204 school the course will be taught.

**TECHNOLOGY & ENGINEERING INDEPENDENT STUDY**

**TEE4005I MANUFACTURING & CONSTRUCTION**

**TEE4002I COMMUNICATION**

**TEE4003I TRANSPORTATION**

**TEE4004I ENERGY**

*Grade 12. Prerequisite is completion of Levels 1 and 2 in an area and Instructor approval.* This course is for seniors who have successfully completed level 2 courses and have the desire to advance in a specific area such as woods, automotive, electronics, or drafting. A lab fee will be charged.

**TEE3009B CONSTRUCTION TRADES** *Grade 11-12. Three periods. Year-long. Off-site. Prerequisite is Intro to Construction.* This course is offered through a partnership with Aurora East High School District 131. Construction sites will be in the Aurora area. This course is designed to provide students hands-on experiences in learning about construction technology and/or related fields, such as architecture, general contracting, and engineering. The course will enable students to enter employment and/or further education and training. Construction includes building a single-family home that will be sold to the public upon completion. Other career opportunities in construction technology, such as surveying, concrete, roofing, plumbing, H.V.A.C., electricity, insulation, siding, drywall, and painting will be covered during the completion of the project. Areas such as soil testing, waivers and liens, safety, legal liabilities, and sales and marketing will also be covered. This year-long course will meet daily for three class periods and will require the student to provide transportation to and from the site. A lab fee will be charged.

**TEE1014 MEDIA COMMUNICATION AND PRODUCTION 1** *Grade 9-12. Year-long.* This course is a survey of Mass Media designed to pro-

vide students an introduction to the various forms of electronic media. Students will be introduced to instructional areas that include radio, television, film, broadcast journalism and other forms of mass media. Through the study of these areas students will gain valuable knowledge in developing media literacy and learn skills necessary to produce and create in a changing media environment. In addition to media theory, students will learn the technological, operational and creative aspects of producing for the medium. A lab fee will be charged.

**TEE2007 BROADCAST JOURNALISM AND PRODUCTION 2** *Grade 10-12. Year-long. Prerequisite is Media Communication I.* This course is a skill level course for students who have successfully completed Media Communication I. In addition to expanding on the curricular units learned in the first course, students will work in a team-based environment to create advanced content emphasizing visual storytelling and editing technique. Students will develop fundamentals of broadcast journalism and advanced media production. A lab fee will be charged.

**TEE3013 BROADCAST JOURNALISM AND PRODUCTION 3** *Grade 11-12. Year-long. Prerequisite is Broadcast Journalism and Production 2 and Instructor Approval.* This course is designed for students who have successfully completed Broadcast Journalism and Production 2. It seeks to further enhance student's skills and develop media literacy. Students will formally propose and produce various projects throughout the year. Students will also be assigned school related media productions by their instructor. Instructor approval is required before registering for this class. A lab fee will be charged.

**TEE4004 PROFESSIONAL AND TECHNICAL INTERNSHIP** *Grade 11-12. Year-long. Two periods. Individualized program. Prerequisite is Instructor Approval.* This program serves as the last course in a sequence of Technology and Engineering courses. Sequenced courses include the following: Automotive Servicing, Architectural Drafting, Computer Drafting, Electronics, and Woods 2. Other course sequences may qualify. A student will receive one credit for classroom instruction and one credit for on-the-job-training. The internship instructor will assist with job placement and monitor student progress throughout the year. Early dismissal is not a requirement for this program.

**PLTW2000 INTRODUCTION TO ENGINEERING DESIGN (IED)** *Grades 9-12.*

*Year-long. Prerequisite is Algebra 1 and enrolled concurrently in Geometry. Weighted grade.* In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. This course is designed for 9th through 12th grade students. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. A lab fee will be charged.

**PLTW2002 DIGITAL ELECTRONICS (DE)** *Grades 10-12. Year-long. Prerequisite is Introduction to Engineering Design (PLTW). Weighted grade.* This course is the study of electronic circuits that are used to process and control digital signals. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras and high-definition televisions. The major focus of the DE course is to expose students to the process of combinational and sequential logic design, teamwork, communication methods, engineering standards and technical documentation. A lab fee will be charged.

**PLTW2003 CIVIL ENGINEERING & ARCHITECTURE (CEA)** *Grades 10-12. Year-long. Prerequisite is Introduction to Engineering Design (PLTW). Weighted grade.* The major focus of this course is completing long-term projects that involve the development of property sites. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of a property. The course provides teachers and students freedom to develop the property as a simulation to model the experiences that civil engineers and architects face. Students work in teams, exploring hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems and communicating their solutions to their peers and member of the professional community of civil engineering and architecture. A lab fee will be charged.

## WORLD LANGUAGES

Tammie Black, *Department Chairperson – MVHS*

Yvonne Fawell, *Department Chairperson – NVHS*

Laura McArán, *Department Chairperson – WVHS*

“The main purpose of studying a foreign language is to obtain something approaching a mastery of the language.” (Dr. James B. Conant) This broad and long-range objective implies the need for short-term objectives on each level of instruction. The four communication skills (listening, speaking, reading, and writing) must be emphasized with student involvement at each stage of development. In conjunction with each level of study, the culture from which the specific language emerged will be a vital component of the course of study.

The disciplines of English and World Languages are closely related. Therefore, recommendations for World Language students should take into account students’ success in English courses. Courses are geared toward non-native speakers. If a student were linguistically inclined, it would be to his/her or her advantage to aim at mastering at least one world language through level 3 or 4. A student who is a native speaker may test into a higher level only with departmental approval. Advanced Placement language courses carry a weighted grade. These AP courses are designed to prepare students to earn college credit as determined by their respective college based upon how well they do on the Advanced Placement Language exam offered in May.

### WORLD LANGUAGES COURSE LISTINGS

#### CHINESE COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
WLAN4001	Chinese 1	Yr. 9-12	None
WLAN4002	Chinese 2	Yr. 10-12	Chinese 1
WLAN4003	Chinese 3	Yr. 10-12	Chinese 2
WLAN4004H	Honors Chinese 4	Yr. 11-12	Chinese 3

#### FRENCH COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
WLAN1001	French 1	Yr. 9-12	None
WLAN1002	French 2	Yr. 10-12	French 1
WLAN1003	French 3	Yr. 10-12	French 2
WLAN1004A	AP French 4	Yr. 11-12	French 3

#### GERMAN COURSES

COURSE#	TITLE	LEVEL	PREREQUISITE
WLAN2001	German 1	Yr. 9-12	None
WLAN2002	German 2	Yr. 10-12	German 1
WLAN2003	German 3	Yr. 10-12	German 2
WLAN2004A	AP German 4	Yr. 11-12	German 3

\* *All courses require a workbook fee.*

**WORLD LANGUAGES COURSE LISTINGS (CONT'D)****SPANISH COURSES**

<b>COURSE#</b>	<b>TITLE</b>	<b>LEVEL</b>	<b>PREREQUISITE</b>
WLAN3001	Spanish 1	Yr. 9-12	None
WLAN3002	Spanish 2	Yr. 9-12	Spanish 1
WLAN3003	Spanish 3	Yr. 10-12	Spanish 2
WLAN3004	Spanish 4	Yr. 10-12	Spanish 3
WLAN3004A	AP Spanish	Yr. 11-12	Spanish 3

**DUAL CREDIT WITH COLLEGE OF DUPAGE**

Students enrolled in the following courses may apply to earn dual credit with COD. High school students who wish to take the course listed below for dual credit will receive college credit and a COD transcript regardless of whether or not they continue at College of DuPage. These credits may be transferable to other institutions. All dual credit opportunities are pending an agreement between IPSD and COD. To qualify for dual credit, students must complete appropriate applications and placement testing as required by COD. Freshmen are not eligible for dual credit.

## WORLD LANGUAGES COURSE DESCRIPTIONS

All World Language courses are year long. They are sequential, requiring completion of the previous level.

**WLAN4001 CHINESE 1** *Grade 9-12.* Chinese 1 is designed to introduce the student to a good base in sound, tones and basic concept of characters. It has different tones, pinyin, strokes, etc. than the romance/Germanic languages. The target audience is non-native speakers, but students with native backgrounds can also benefit from this course. This course will demand a high level of commitment from students as they will not become as proficient in the same amount of time as in a romance/Germanic language.

**WLAN4002 CHINESE 2** *Grade 10-12.* Chinese 2 builds on the skills developed in Chinese 1 and continues to focus on an introduction to Chinese sentence patterns and functional use of the language. Students expand their vocabulary and conversational proficiency by broadening their knowledge of basic language patterns, daily expressions and Chinese culture. Classroom instruction and activities are centered on use of authentic materials and basic communication

skills, i.e. listening, speaking, reading and writing in Chinese. The target audience includes non-native speakers and native speakers who want to improve their basic Chinese language skills.

**WLAN4003 CHINESE 3** *Grade 10-12.* Chinese 3 expands on the areas of vocabulary, speaking, reading and sentence patterns. Classroom instruction and discussions will be conducted primarily in Chinese. Students will expand their communication skills in Chinese along with their knowledge of the Chinese culture.

**WLAN4004H HONORS CHINESE 4** *Grade 11-12. Weighted grade.* Honors Chinese 4 focuses on expanding the four communication skills (reading, writing, listening and speaking) by exploring a variety of contemporary and classic topics. Grammar and structure are also reviewed. A selection of projects will be required during the summer preceding the course.

**WLAN1001 FRENCH 1** *Grade 9-12.* French 1 introduces the student to practical vocabulary and basic grammatical structures that will enable him or her to communicate in simple French. The course focuses on speaking, listening, reading, and writing, as well as various aspects of francophone (French speaking) culture. Oral communication is stressed.

**WLAN1002 FRENCH 2** *Grade 10-12.* French 2 builds on the skills developed in French 1. Students expand their vocabulary and begin to study more complex grammatical structures. Cultural exploration continues. Development of all four communication skills is stressed, with special emphasis on oral communication. Most of this class is conducted in French.

**WLAN1003 FRENCH 3** *Grade 10-12.* French 3 reinforces and develops the four basic communication skills and allows students to use them at a more advanced level. As time allows, this course introduces students to francophone (French speaking) literature, art, and history. Class discussions and work are conducted almost exclusively in French.

**WLAN1004A AP (ADVANCED PLACEMENT) FRENCH 4** *Grade 11-12. Weighted grade.* AP French 4 focuses on expanding the four communication skills (reading, writing, listening and speaking) by exploring a variety of contemporary and classic topics. Grammar and structure are also reviewed. A selection of projects will be required during the summer preceding the course. The course will also prepare students for the Advanced Placement exam.

**WLAN2001 GERMAN 1** *Grade 9-12.* German 1 emphasizes structure and beginning proficiency; German 1 introduces the student to basic conversation and self-expression in German. As students continue learning to understand, speak, read, and write German on a basic level, they will also be introduced to aspects of German culture, particularly relating to the everyday life of teenagers.

**WLAN2002 GERMAN 2** *Grade 10-12.* German 2 has an increasing emphasis on vocabulary and conversational proficiency. Students also begin to amass a portfolio of written work. A higher level of structural forms is learned while students learn to express themselves in everyday situations in the family and with friends.

**WLAN2003 GERMAN 3** *Grade 10-12.* German 3 continues emphasizing basic language skills while students learn the most complex structures and begin to describe, discuss, and express themselves personally in the language. Short stories and a short novel are read.

**WLAN2004A AP (ADVANCED PLACEMENT) GERMAN 4** *Grade 11-12. Weighted grade.* AP German 4 focuses on student communication in the form of reports, oral projects, role-playing, essays, and discussions. Speaking, reading, and writing are emphasized. Readings include current articles as well as short stories and a modern drama. A selection of projects will be required of students during the summer preceding the course. The course is designed to prepare students to earn college credit by passing the Advanced Placement examination.

**WLAN3001 SPANISH 1** *Grade 9-12.* Spanish 1 is designed to train the student to understand, speak, read, and write basic Spanish, as well as presenting a cultural background of the Spanish-speaking people. Oral communication is stressed.

**WLAN3002 SPANISH 2** *Grade 9-12.* Spanish 2 expands the basic skills of the first-year course by broadening the knowledge of vocabulary, basic grammar skills and Spanish culture. The course is also designed to further develop conversational, reading and writing skills. Oral communication is stressed.

**WLAN3003 SPANISH 3** *Grade 10-12.* Spanish 3 continues to build proficiency in listening, speaking, writing and reading. It expands upon the material which students have mastered in levels 1 and 2. Language proficiency is developed through a challenging and varied curriculum, including cultural readings, oral presentations utilizing technology, a video telenovela, and a novel study. The class is taught primarily in Spanish.

**WLAN3004 SPANISH 4 REGULAR** *Grade 11-12.* The regular Spanish 4 class focuses on the four skills: reading, writing, listening, and speaking; however, emphasis is on the conversational skills. The students expand their vocabulary through reading stories, literature, and through various cultural units. The class is conducted entirely in Spanish.

**WLAN3004A AP (ADVANCED PLACEMENT) SPANISH** *Grade 11-12. Weighted grade.* AP Spanish focuses on further developing the speaking, reading, writing,

and listening level of proficiency of the student by reviewing previously covered grammar concepts and learning new vocabulary in context. The students expand this knowledge by watching, listening to, and reading authentic resources of well-known Hispanic literature and film. A selection of projects is required to be completed during the summer preceding the course.

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