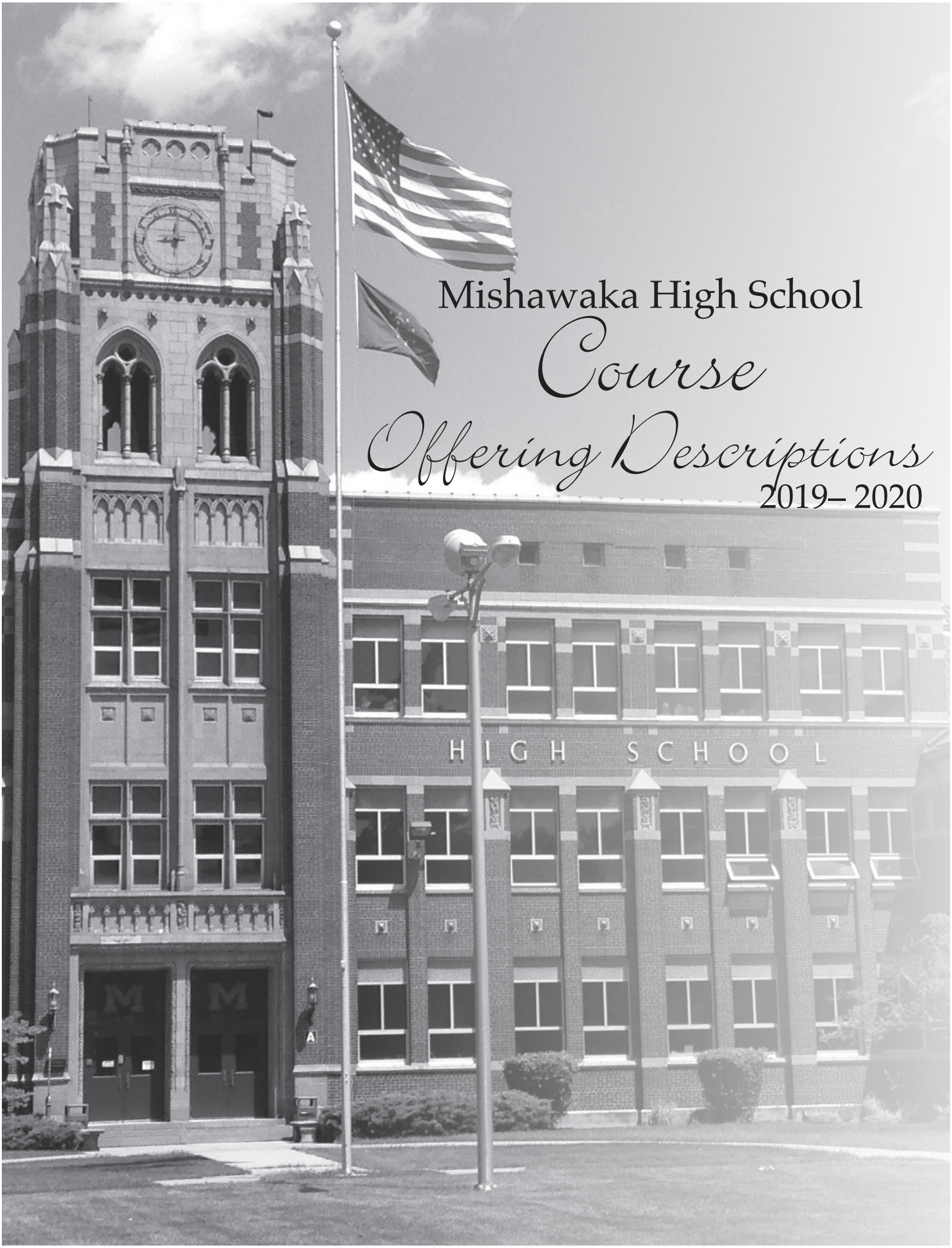

Mishawaka High School

Course Offering Descriptions

2019– 2020

ART DEPARTMENT Course Offerings

Content provided by MHS Art Department…revised 11/2017…Ryan Sergeant, Chair

INTRODUCTION TO TWO-DIMENSIONAL ART

Prerequisite: None
Supplies: Individual Supplies

COURSE: *Design elements are stressed in connection with drawing, painting, and crafts projects. Art history, criticism, and design aesthetics are included.*

ADVANCED TWO-DIMENSIONAL ART

Prerequisite: Introduction to Two-Dimensional Art
Supplies: Individual Supplies

COURSE: *This course further develops an appreciation for creative design. By applying the principles of design, students will become acquainted with numerous art materials and their characteristics during art production.*

INTRODUCTION TO THREE-DIMENSIONAL ART

Prerequisite: None
Supplies: Individual Supplies

COURSE: *This course introduces students to the elements of art in relation to three-dimensional design. Principles and elements are stressed in connection with sculpture and ceramic projects. Various sculpting materials and techniques will be utilized with a focus on ceramic clay. Art history, criticism and aesthetics are included.*

DRAWING 1

Prerequisites: Introduction to Two-Dimensional Art
Supplies: Individual Supplies

COURSE: *In this course students will increase their ability to express themselves in art production through various drawing media, such as colored pencils, pen and ink, pastels, charcoal, and other drawing material. Still life, close up views, landscapes, figure drawing, and natural objects are rendered in this course. Art history, criticism, and aesthetics are included.*

DRAWING 2
IvyT ARTS 100 3 CREDITS

Prerequisites: Introduction to Two-Dimensional Art, Drawing I
Supplies: Individual Supplies

COURSE: *In this course students will continue to increase their ability to express themselves in art production through the use of various drawing media (colored pencil, pastels, conte crayon, and ink). Still life, landscapes, figure drawing, close -up views will be rendered in this course, some on a larger scale. Art history, criticism, and aesthetics are included.*

PAINTING

Prerequisites: Introduction to Two-Dimensional Art, & Drawing I
Supplies: Individual Supplies

COURSE: *This course refines the student's ability in art production to creatively express an idea using watercolor paints, tempera paints, and mixed media. Students will use the various painting media, and sometimes experimental techniques, to render special theme projects, portraits, figure compositions, city scapes, landscapes and nature studies. Art history, criticism, and aesthetics are included.*

GRAPHIC DESIGN AND LAYOUT
IvyT VISC 115 (3 CREDITS)

See course description on page 20

VISUAL COMMUNICATION
IvyT VISC 102 (3 CREDITS)

Prerequisites: Introduction to Two-Dimensional Art
Supplies: Digital Camera

COURSE: *Students in visual communication engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. They create print media utilizing graphic design, typography, illustration, and image creation with digital tools and computer technology.*

PHOTOGRAPHY 1

Prerequisites: None
Supplies: black and white film and black and white printing paper

COURSE: *This photography course is an exploration into basic and creative black and white photography with a introduction to modern digital photography. Students will utilize dark room photography processes and explore the historical foundation of photography as an art form.*

PHOTOGRAPHY 2, 3, 4

Prerequisites: Photography 1
Supplies: black and white 35 mm film, black and white printing paper

COURSE: *This photography course offers students an opportunity to further explore the fine art of photography with advanced assignments.*

CERAMICS 1

Prerequisite: Introduction to Three-Dimensional Art and/or Introduction to Two-Dimensional Art
Supplies: Individual Supplies

COURSE: *Students will learn to produce pottery from clay. Strong emphasis will be placed on hand building techniques, design, and surface texture. Basic skills on the potter's wheel, and techniques of commercial stain and glaze application will be explored.*

CERAMICS 2, 3, 4

Prerequisite: Introduction to Two-Dimensional Art, & Ceramics I; instructor permission for 3 & 4
Supplies: Individual Supplies

COURSE: *Students will further explore three-dimensional art production. Emphasis will be on creativity in larger and more complicated forms.*

SCULPTURE

Prerequisites: Introduction to Two-Dimensional Art or Intro to Three-Dimensional Art
Supplies: Individual Supplies
COURSE: *This course offers students an opportunity to explore three-dimensional design. Students will develop skills in art production by formulating various media into sculpture using the fundamentals of geometric and organic form and space.*

FIBER ARTS 1 & 2

Prerequisite: Introduction to Two-Dimens. Art
Supplies: As needed for the individual fiber art production.
COURSE: *This is an exploratory course in personal creativity. The course will introduce the students to a wide variety of basic fiber techniques, such as weaving, macramé, and coil basketry. a*

JEWELRY AND METALWORKING

Prerequisites: Introduction to Two-Dimensional Art or Intro to Three-Dimensional Art
Supplies: Individual Supplies
COURSE: *This course will introduce students to working with metal to construct fine art pieces. Design elements will be stressed in connection with form and function. Various tools will be utilized such as: saws, torches, pliers and many hand tools. Materials used may be: sheet metal and wire, each of a precious metal. Students may also learn to set stones, construct pendants, form bracelets, shape rings, and solder picture frames. Art history, criticism, and design aesthetics are included.*

ART HISTORY

Prerequisite: None
COURSE: *Students taking Art History engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production. Students study works of art and artifacts from world cultures, engage in historically relevant studio activities; utilize research skills to discover social, political, economic, technological, environmental, and the nature of art, relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art related careers.*

AP STUDIO ART

AP Studio Art is for the highly motivated student who is seriously interested in the study of art; the program demands significant commitment. Homework such as maintaining a sketchbook will be a necessary component. Group and individual critiques, a common structure in the college classroom will also be conducted. Students will be required to assemble a portfolio of work. This portfolio will be evaluated based on three areas: quality, concentration, and breath. At the discretion of the college or university, students may gain college credit or advanced placement in college studio art based on their AP portfolio assessment.

AP STUDIO ART – DRAWING

Prerequisites: Introduction to 2D Art, Advanced 2D Art, Drawing I, and Drawing II, plus instructor approval.
COURSE: *The drawing portfolio is designed to address a very broad interpretation of drawing issues and media. Light and shade, line quality, rendering of form, composition, surface manipulation, and the illusion of depth are the drawing issues that will be addressed through a variety of the different drawing media. Students enrolled will submit this portfolio to the College Board at the end of the second semester.*

AP STUDIO ART– TWO DIMENSIONAL DESIGN

Prerequisites: Introduction to Two–Dimensional Art, Advanced Two-Dimensional Art, Drawing I, Drawing II, Painting, plus instructor approval.
COURSE: The portfolio is intended to address two-dimensional (2-D) design issues. Design involves purposeful decision making about how to use the elements and principles of art in an integrative way. These principles of design, articulated through the visual elements of art, help guide artists in making decisions about how to organize the elements on a picture plane in order to communicate content. Students will be asked to demonstrate mastery of 2-D design through any two-dimensional medium or process, including, but not limited to, graphic design, photography, collage, fabric design, weaving, illustration, painting, and printmaking. Students enrolled will submit this portfolio to the College Board at the end of the semester.

AP STUDIO ART– THREE DIMENSIONAL DESIGN

Prerequisites: Introduction to Two–Dimensional Art, Advanced Two-Dimensional Art, Drawing I, Drawing II, Painting, plus instructor approval.
COURSE: 3-D design at the college level.

BUSINESS EDUCATION DEPARTMENT Course Offerings

Content provided by MHS Business Department…revised 11/2017…Toni Forler, Chair

INTRO TO ACCOUNTING (QUANTITATIVE REASONING)

Supplies: Workbook, Simulation, calculator

COURSE: *Accounting introduces the language of business using Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting.*

BANKING & INVESTING (QR)

Prerequisite: Accounting

Supplies: Workbook, Simulation, calculator

COURSE: *Provides instruction in finance and business fundamentals as they relate to financial institutions, financial planning, business and personal financial services, investment and securities, risk management, and corporate finance. Students are provided opportunities to develop attitudes and apply skills and knowledge in the area of finance.*

BUSINESS MATH

Prerequisite: Algebra I

Supplies: Workbook, Notebook, and Calculator

COURSE: *Business Math is a business course designed to prepare students for roles as entrepreneurs, producers, and business leaders by developing abilities and skills that are part of any business environment. A solid understanding of math including algebra, basic geometry, statistics and probability provides the necessary foundation for students interested in careers in business and skilled trade areas.*

BUSINESS LAW AND ETHICS

Prerequisite: None

Supplies: Workbook and notebook

COURSE: *Business Law and Ethics provides an overview of the legal system in the business setting. Application of legal principles and ethical decision-making techniques are presented through problem-solving methods and situation analyses.*

ENTREPRENEURSHIP AND NEW VENTURES

COURSE: *Entrepreneurship and New Ventures introduces entrepreneurship, and develop skills and tools critical for starting and succeeding in a new venture. The entrepreneurial process of opportunity recognition, innovation, value proposition, competitive advantage, venture concept, feasibility analysis, and "go to" market strategies will be explored.*

PRINCIPLES OF BUSINESS MANAGEMENT/ IU ACP X100 (BUSINESS ADMINISTRATION, INTRO)

Prerequisites: IU ACP application & tuition required for 3 hours of college credit.

COURSE: *Principles of Business Management focuses on the roles and responsibilities of managers as well as opportunities and challenges of ethically managing a business in the free enterprise system. The management of human and financial resources is emphasized.*

STRATEGIC MARKETING

Prerequisite: Principles of Marketing

COURSE: *Strategic Marketing builds upon the foundations of marketing and applies the functions of marketing at an advanced level. Students will study the basic principles of consumer behavior and examine the application of theories from psychology, social psychology and economics. The relationship between consumer behavior and marketing activities will be reviewed.*

WORK BASED LEARNING BUSINESS & MARKETING 3 CREDITS PCI 1 P/F CREDIT

Prerequisites: Preparing for college and Careers; 4 credits of introductory and advanced courses related to a student's pathway.

COURSE: *Work Based Learning is a culminating course in a student's logical sequence of courses for a chosen career pathway. In this course, students have the opportunity to apply the concepts, skills, and dispositions learned in previous coursework in their pathways in real world business and industry settings. The course would cover topics including but not limited to; evaluating career pathways, ethics, communication skills, safety, evaluating job performance, etc.*

PRINCIPLES OF MARKETING IVYT MKTG 101 (3 CREDITS)

Supplies: Workbook

COURSE: *Principles of Marketing is a marketing course that provides a basic introduction to the scope and importance of marketing in the global economy. Emphasis is placed on oral and written communications, mathematic applications, problem solving, and critical thinking skills as they relate to advertising/promotion/selling, distribution, financing, marketing-information management, pricing, and product/ service management.*

MARKETING IN HOSPITALITY (OFFERED IN ODD YEARS)

Recommended Prerequisite: Principles of Marketing

COURSE: *This course is a specialized marketing course designed for students interested in careers in the hospitality, travel, and tourism industry. Classroom instruction will include marketing-information management, pricing, product/services management, promotion, and selling in the hospitality, travel and tourism industry.*

SPORTS AND ENTERTAINMENT MARKETING (OFFERED IN EVEN YEARS)

Recommended Prerequisite: Principles of Marketing

COURSE: *Specialized marketing course that develops student understanding of the sport/event industries, their economic impact, and products; distribution systems and strategies; pricing considerations; product/service management, and promotion*

DIGITAL APPLICATIONS (COMPUTER APPLICATIONS)

Supplies: None

COURSE: *Provides instruction in software concepts using a Windows based professional suite, which includes word processing, spreadsheet, database, graphics, and presentation applications. Instruction in basic computer hardware and operating systems that support software applications is provided.*

DIGITAL APPLICATIONS ADVANCED
IvyT CINS 101 (3 CREDITS)

Prerequisite: Digital Applications

Prerequisites for college credit: score 25+ for critical reading 26+ for writing on PSAT or equivalent test.

Supplies: Folder

COURSE: *Digital Applications, Advanced provides instruction that includes advanced applications and integration of a professional suite and the use of emerging technology. Students may be given the opportunity to seek an industry-recognized digital literacy certification (Microsoft Office Specialist).*

GRAPHIC DESIGN AND LAYOUT
IvyT VISC 115 (3 CREDITS)

Prerequisites: Permission of instructor

COURSE: *Graphic Design and Layout includes organized learning experiences that incorporate a variety of visual art techniques as they relate to the design and execution of layouts and illustrations for advertising, displays, promotional materials, and instructional manuals. Instruction also covers advertising theory and preparation of copy, lettering, posters, and artwork in addition to incorporation of photographic images.*

INTERACTIVE MEDIA

COURSE: *Interactive Media emphasizes the development of digitally generated or computer-enhanced products using multimedia technologies. Students will develop an understanding of professional business practices including the importance of ethics, communication skills, and knowledge of the "virtual workplace".*

COMPUTER TECH SUPPORT

Prerequisites: 2.0 GPA

COURSE: *Computer Tech Support allows students to explore how computers work. Students learn the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Through hands-on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. Direct field experience and customer service may be added as part of a school based tech support operation.*

PREPARING FOR COLLEGE AND CAREERS

Supplies: Loose leaf paper, folder

COURSE: *Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals.*

ENGINEERING & TECHNOLOGY DEPARTMENT Sequence of Course Offerings

Content provided by Engineering & Technology Department…revised 11/2017…Ben Modlin, Chair

COMPUTERS IN DESIGN AND PRODUCTION (CAD A)

Prerequisites: CAD/Drafting I

COURSE: *The students will work in teams to plan, design and supervise a product from concept to completion. Activities include the development of parts and sub systems which may be applied to the MHS Engineering class's fuel-efficient vehicle. Students will use computers to design and tools/machines to build their products. This is a hands/minds on course.*

ARCHITECTURAL DRAFTING AND DESIGN I (CAD I) VU DRAF 140 (3 CREDITS)

Prerequisite: none

COURSE: *Architectural Drafting and Design I will provide students with a basic understanding of the detailing skills commonly used by a drafting technician. Areas of study include: lettering, sketching, proper use of equipment, geometric constructions with emphasis on orthographic (multi-view) drawings that are dimensioned and noted to ANSI standards. Areas of emphasis will include print reading and drawing. Students will gain valuable hands-on experience with Auto CAD. They will be expected to complete several projects relating to command topics. Topics include: 2D drawing commands, coordinate systems, editing commands, paper and model space, inquiry commands, layers, plotting, text, and basic dimensioning. This course will also include Basic Architectural AutoCAD practices.*

ARCHITECTURAL DRAFTING AND DESIGN II (CAD II) VU DRAF 150 (2 CREDITS)

Prerequisite: CAD I

COURSE: *: Architectural Drafting and Design II presents a history and survey of architecture and focuses on creative design of buildings in a studio environment. This course will focus on advanced CAD features, including fundamentals of three dimensional modeling for design. Includes overview of modeling, graphical manipulation, part structuring, coordinate system, and developing strategy of modeling. Advanced CAD will enable the student to make the transition from 2D drafting to 3D modeling. Various Architectural software packages and applications may be used.*

INTRODUCTION TO COMMUNICATION (AND CODING)

COURSE: *: Introduction to Communications is a course that specializes in identifying and using modern communication to exchange messages and information. This course explores the application of the tools, materials, and techniques used to design, produce, use, and asses systems of communication. Students will produce graphic and electronic media as they apply communication technologies. This course will also explore the various technical processes used to link ideas and people through the use of electronic and graphic media. Students will explore mass media communication processes including radio and television broadcasting, publishing and printing activities, telecommunication networks, recording services, computer and data processing networks, and other related systems.*

DESIGN PROCESSES (R&D)

Prerequisites: CAD/Drafting I

COURSE: *Introduction to Design Processes is a course that specializes in modern design and engineering processes with a focus on creative problem solving in developing, testing, communicating, and presenting post-evaluation of products. Students use the design process to analyze research, develop ideas, and produce products solutions. Students will demonstrate and utilize design principles and elements for visual presentation. Designing aspects will also cover aesthetics, ergonomics, the environment, safety, and production. The design process is a core-learning tool for many courses enabling the student to solve problems in a systematic, logical and creative manner. Students develop a good understanding of the way the process helps them think creatively and developing aesthetic ideas. The design process encourages the students to engage in higher level thinking to create solutions for many types of problems.*

ENGINEERING DESIGN & DEVELOPMENT (NON PLTW) (QR)

Prerequisite: Process level course in any technology area, with instructor recommendation.

COURSE: *The Mishawaka Engineering class provides engineering and technology students with a challenging design project that involves the development and construction of a single-person, fuel-efficient vehicle. Vehicles are powered by a small four-cycle engine. Students have the opportunity to set a world fuel economy record.*

INTRODUCTION TO CONSTRUCTION

COURSE: *Introduction to Construction is a course where students will study how different types of structures are designed, engineered, and built. Students will use basic problems solving skills & applied math to design, engineer, and build simplified engineering projects. Students will draw simple plans, frame a scale model house, and explore the many phases of construction. Design, site selection, site preparation, foundations, framing, and finishing the structures are just a few phases to be explored. The second semester will be filled with many hands-on experiences. Students will learn some basic surveying skills taking elevation readings and drawing a plot plan. Students will become familiar with many aspects of the construction industry. Any student considering a career in construction trades or taking the Construction Technology (building trades) course should take this class.*

INTRODUCTION TO MANUFACTURING SYSTEMS

COURSE: *Introduction to Manufacturing is a course where students will gain knowledge and basic skills in working with industrial materials such as wood & plastics. Students will learn through classroom and hands on experiences how to plan and use of a variety of tools and machines to process wood into useful projects/ products. Safety around power tools, using tools and equipment properly, making projects/products, precision measurement, basic math skills, and learning about industrial processes are the major emphasis of this class.*

INTRO TO ADVANCED MANUFACTURING

Prerequisite: Introduction to Manufacturing

COURSE: *: Introduction to Advanced Manufacturing is a course where students will learn advanced knowledge and skills in working with industrial materials such as wood & plastics. Students will design, draw plans, and calculate material needs for projects/products. This class will be mainly hands on experiences using a variety of tools and machines to process wood into useful projects/products. Safety around power tools, project/ product activities, precision measurement, basic math skills, and learning about advanced industrial processes are the major emphasis of this class.*

CONSTRUCTION TECHNOLOGY I & II (BUILDING TRADES) IvyT CONT 101/102 (3 CREDITS EACH)

COURSE: *This course is designed to give students practical experience in the various phases of house construction. Students will be working in the field, and construct a new home during the course period. They will be involved with all phases of the project. They will start with layout of walls, framing, and erecting them. Setting trusses, and installing windows, siding, and roofing. They will work along side professionals in the electrical, heating and air conditioning, and plumbing fields. They will be painting, installing ceramic tile, hardwood floors, hanging doors, cabinets, and installing trim. Students will gain knowledge and understanding of all phases of construction. After successful completion of this course, students should be better prepared to enter some phase of the building trades, join an apprenticeship program, or attend college with an emphasis in the construction field. Two year students can apply to the Building Trades Board for a scholarship to the college of their choice.*

PROJECT LEAD THE WAY

The PLTW Pre-Engineering Program is designed for the student who is interested in being an engineer or technologist as a possible career choice. PLTW classes are part of the honors program, most yield college credit to include freshman and sophomore classes, and quantitative reasoning credit (QR).

INTRODUCTION TO ENGINEERING DESIGN/ IvyT DESN 101 (3 CREDITS)

COURSE: *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 or 10th 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.*

PRINCIPLES OF ENGINEERING (QR)/ IvyT DESN 104 (3 CREDITS)

Prerequisite: Introduction to Engineering Design

COURSE: *This survey course of engineering exposes students to some of the major concepts they'll encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges.*

CIVIL ENGINEERING AND ARCHITECTURE (QR)/ IvyT DESN 105 (3 CREDITS)

Grades: 11–12

Length of Course: Two Semesters - 1 Credit each

Prerequisite: Principles of Engineering

COURSE: *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. 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.*

COMPUTER INTEGRATED MANUFACTURING (QR)/ IvyT ADMF116 (3 CREDITS)

Prerequisite: IED and POE to qualify for dual credit

COURSE: *Computer Integrated Manufacturing is a course that applies principles of rapid prototyping, robotics, and automation. This course builds upon the computer solid modeling skills developed in Introduction of Engineering Design. Students will use computer controlled rapid prototyping and CNC equipment to solve problems by constructing actual models of their three-dimensional designs. Students will also be introduced to the fundamentals of robotics and how this equipment is used in an automated manufacturing environment.*

AEROSPACE ENGINEERING (QR)

Prerequisite: Principles of Engineering

COURSE: *The major focus of this course is to expose students to the world of aeronautics, flight and engineering through the fields of aeronautics, aerospace engineering and related areas of study. Lessons engage students in engineering design problems related to aerospace information systems, astronautics, rocketry, propulsion, the physics of space science, space life sciences, the biology of space science, principles of aeronautics, structures and materials, and systems engineering. Students work in teams utilizing hands-on activities, projects and problems and are exposed to various situations faced by aerospace engineers.*

ENGINEERING DESIGN AND DEVELOPMENT (QR)

Prerequisite: Principles of Engineering
COURSE: *Engineering Design and Development is designed to introduce students to the fundamental aspects of engineering and engineering technology. Instruction will emphasize underlying principles of engineering processes and the development of three-dimensional solid models. Instructional activities will build skills ranging from sketching simple geometric shapes to applying a solid modeling computer software package. Students will develop critical thinking and problem-solving skills through instructional activities that pose design and application challenges for which they develop solutions. The techniques learned, and equipment used, should be state of the art and reflect equipment and processes currently being used by engineers throughout the United States.*

INDUSTRIAL AUTOMATION AND ROBOTICS I & II

Prerequisites: none
COURSE: *Students will gain skills to design and build basic robots that use sensors and actuators to solve specific problems and complete specific tasks. This will include introductory programming autonomous mode. This course will provide fundamental knowledge and skills in basic lasers, pneumatics, hydraulics, mechanics, basic electronics, and programmable logic controllers along with an understanding of career pathways in this sector.*

INTRODUCTION TO COMPUTER SCIENCE (INTO CS)

Grades: 9, 10
Length of Course: One – Two Semesters - 1 Credit each
Prerequisite: None
COURSE: *Introduction to Computer Science allows students to explore the world of computer science. Students will gain a broad understanding of the areas composing computer science. Additionally, there is a focus on the areas of computer programming, gaming/mobile development, and artificial intelligence/robotics.*

Counts as a Directed Elective or Elective for all diplomas

COMPUTER SCIENCE I (COM SCI I)

Grades: 10–12
Length of Course: Two Semesters - 1 Credit each
Prerequisite: Introduction to Computer Science or teacher confirmation of student demonstration of mastery of the Intro to Computer Science standards

COURSE: *Computer Science I introduces the structured techniques necessary for efficient solution of business-related computer programming logic problems and coding solutions into a high-level language. The fundamental concepts of programming are provided through explanations and effects of commands and hands-on utilization of lab equipment to produce accurate outputs. Topics include program flow-charting, pseudo coding, and hierarchy charts as a means of solving problems. The course covers creating file layouts, print charts, program narratives, user documentation, and system flowcharts for business problems; algorithm development and review, flowcharting, input/output techniques, looping, modules, selection structures, file handling, control breaks, and offers students an opportunity to apply skills in a laboratory environment.*

Counts as a Directed Elective or Elective for all diplomas

Qualifies as a quantitative reasoning course

COMPUTER SCIENCE II (CS II PROG)

Grades: 11, 12
Length of Course: Two Semesters - 1–3 Credits each semester , 6 credits maximum
Prerequisite: Computer Science I

COURSE: *Computer Science II: explores and builds skills in programming and a basic understanding of the fundamentals of procedural program development using structured, modular concepts. Coursework emphasizes logical program design involving user-defined functions and standard structure elements. Discussions will include the role of data types, variables, structures, addressable memory locations, arrays and pointers, and data file access methods. An emphasis on logical program design using a modular approach, which involves task oriented program functions.*

Counts as a Directed Elective or Elective for all diplomas

Qualifies as a quantitative reasoning course

COMPUTER SCIENCE III: CYBERSECURITY

Grades: 11, 12
Length of Course: Two Semesters - 1–3 Credits each semester , 6 credits maximum
Prerequisite: Computer Science I & II

COURSE: *Computer Science III: Cybersecurity introduces the secure software development process including designing secure applications, writing secure code designed to withstand various types of attacks, and security testing and auditing. It focuses on the security issues a developer faces, common security vulnerabilities and flaws, and security threats. The course explains security principles, strategies, coding techniques, and tools that can help make software fault tolerant and resistant to attacks. Students will write and analyze code that demonstrates specific security development techniques. Students will also learn about cryptography as an indispensable resource for implementing security in real-world applications. Students will learn foundations of cryptography using simple mathematical probability. Information theory, computational complexity, number theory, and algebraic approaches will be covered.*

Counts as a Directed Elective or Elective for all diplomas

ENVIRONMENTAL SUSTAINABILITY (ENV SUS)

Grades: 11, 12
Length of Course: Two Semesters - 1 Credit each
Prerequisite: Introduction to Engineering Design, Principles of Engineering, and Biology

COURSE: *Environmental Sustainability is a specialization course that builds upon prior knowledge learned in previous engineering and science courses. Students investigate and design solutions in response to current challenges such as providing the world with clean and abundant drinking water, an adequate food supply, and renewable energy. Students are introduced to environmental issues and use the engineering design process to design, build, and test potential solutions. This course engages critical thinking and problem-solving skills as students apply and extend their knowledge through designing experiments, managing projects, conducting research, and creating presentations to communicate solutions.*

Counts as a Directed Elective or Elective for all diplomas.

ENGLISH DEPARTMENT Course Offerings

Content provided by MHS English Department…revised 11/2017…Lori Kizer, Chair

Freshman Courses (9th Grade):

ENGLISH 9

Grade: 9
Length of Course: Two Semesters - 1 Credit each

COURSE: *English 9 is a survey course in which students are exposed to multiple genres of reading and writing. Literature instruction focuses on opportunities to read and comprehend a wide variety of literature genres, apply critical thinking skills and appreciate literature. Vocabulary development utilizes decoding, context clues, glossaries, and programmed study. Students use acquired technology skills in the writing process. Students are required to write for a variety of purposes and audiences such assignments as narrative, expository, and persuasive essays, summaries, journals, short stories, and technical writings (business letters, resumes, and reports). Oral communication skills are emphasized in making presentations and in being critical listeners.*

ENGLISH 9 (H)

Grade: 9
Length of Course: Two Semesters -1 Credit each

COURSE: *This course is designed for the highly motivated student who demonstrates a high reading level and a reasonable mastery of written and spoken English. A synthesis of all components of language arts is emphasized: literature, composition, research, grammar, usage, mechanics, public speaking, and vocabulary. Students will be expected to complete independent reading and writing assignments both in the summer and during the school year, and will complete an English Honors Project that will consist of an individual research paper, a product that demonstrates the application of what was learned, and a formal presentation.*

Sophomore Courses (10th Grade):

ENGLISH 10

COURSE: *English 10 reinforces and continues to make use of the many reading, writing, listening, and speaking activities and skills of English 9. Students will be responsible for taking personal time for instructional reading.*

ENGLISH 10 (H)

Prerequisites: English 9 Honors or English 9

COURSE: *English 10 Honors is an advanced composition and a British literature survey course for sophomores meeting the requirements of the gifted and talented program. Essay assignments emphasize the ability to state a thesis and then satisfactorily support it with various expository and persuasive writing techniques. Students are required to submit a literary critique and a research paper. The course includes student understanding of grammatical concepts to improve self-evaluation of papers. SAT preparation exercises are included in vocabulary and writing. The course includes independent reading, library assignments, individual projects, and programmed vocabulary study.*

Junior Courses (11th Grade):

ENGLISH 11

COURSE: *Through the integrated study of language, literature, composition, and oral communication, English 11 students further develop their use of language as a tool for learning and thinking and as a source of pleasure. Students will survey the development of American literature from early Native American literature through contemporary literature. English 11 increasingly calls attention to the contexts in which oral communication takes place. Instruction will stress effective delivery techniques, communicating responsibly, critically and confidently on a variety of topics, creating and using technological devices in oral and written presentations, and demonstrating the various types of speeches. Students will be responsible for taking personal time for instructional reading.*

ENGLISH 11 (H)

Prerequisites: English 10 H or English 10

COURSE: *This course is designed for the highly motivated student who has demonstrated a high reading level and a reasonable mastery of written and spoken English. Focusing on major American writers and their works in relation to historical periods, the course surveys the development of United States literature from pre-colonial beginnings to the present. The emphases in composition are on organization, logic, coherence, and other advanced composition skills necessary for clear and concise writing. In addition to summer reading, students will be expected to complete independent reading, writing, and research assignments during the school year and to complete an English Honors Project.*

AMERICAN LITERATURE 1–2 (FILM LIT)

COURSE: *This course is designed for the highly motivated student who has demonstrated a high reading level and a reasonable mastery of written and spoken English. This is a condensed version of English 11 which is paired with Film Literature. Through the integrated study of language, literature, composition, and oral communication, English 11 students further develop their use of language as a tool for learning and thinking and as a source of pleasure. Students will survey the development of American literature from early Native American literature through contemporary literature. English 11 increasingly calls attention to the contexts in which oral communication takes place. Instruction will stress effective delivery techniques, communicating responsibly, critically and confidently on a variety of topics, creating and using technological devices in oral and written presentations, and demonstrating the various types of speeches. Students will be responsible for taking personal time for instructional reading.*

Senior Courses (12th Grade)

ENGLISH 12

COURSE: *English 12 students further develop their use of language as a tool for learning and thinking. Students will survey the development of British literature from the Anglo-Saxon to the modern period. Students will be responsible for taking personal time for instructional reading.*

IU ACP W131 COMPOSITION

Prerequisites: 2.7 GPA, (IU ACP application & tuition required for 3 hours of college credit.)

COURSE: *The course prepares students for writing in a variety of college courses. The focus of the course is on writing from multiple nonfiction sources to analyze an issue and support a claim. Skills include evaluating sources of information, summarizing, critiquing, analyzing, and synthesizing sources, adopting a thoughtful position, advancing a clear thesis, and supporting one's views with evidence.*

IU ACP L202 LITERARY INTERPRETATION

Prerequisites: W131, 2.7 GPA, (IU ACP application & tuition required for 3 hours of college credit.)

COURSE: *Emphasizes a close, thoughtful reading of representative literary texts (poetry, drama, fiction, or non-fiction prose) originally written in English and drawn from a range of historical periods. A major goal is to develop the ability to read and write with precision, responsibility, and imagination through class discussion and the writing of multiple critical responses. Close reading of a few selected texts, rather than wide coverage, is encouraged.*

EXPOSITORY WRITING

Prerequisites: see English chart

COURSE: *Expository Writing, a course based on the Indiana Academic Standards for English/ Language Arts, is a study and application of the various types of informational writing intended for a variety of different audiences. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style. EXPOSITORY WRITING PROJECT: Students complete a project, such as an extended essay or research paper explaining the main idea or thesis by using the expository strategies of classification, illustration by example, definition, comparison and contrast, process analysis (descriptions or explanations that provide instructions for the reader), cause and effect, definitions, or some combination of these strategies, which demonstrates knowledge, application, and writing progress in the Expository Writing course content.*

Other English Courses

CREATIVE WRITING

Prerequisites: C average in previous English classes and submission of writing sample.

COURSE: *Creative Writing provides an opportunity for students interested in imaginative writing to explore the many avenues of creative writing. Students are expected to keep a daily journal as well as create poems, essays, short stories, and children's stories. The focus is on the techniques of the writing process with an emphasis on revision. The student also learns to read more critically through exposure to quality works which are shared, discussed, and analyzed. The class includes oral work, group work, and peer editing.*

DRAMATIC LITERATURE

Prerequisites: None

COURSE: *Dramatic Literature provides a study of plays and literary art, with particular focus on dramatic conventions that differentiate drama from other literary genres. Students are given opportunities to express their knowledge of course content through creative, analytical, and expository writing, tests, and projects.*

SPEECH (PUBLIC SPEAKING)

Prerequisites: None

COURSE: *Since stage fright is the number one fear of many Americans, this course is an extremely practical class to prepare for a 21st century workforce that is requiring effective speaking skills. Speech is an introductory public speaking course in which students will learn to choose topics, organize ideas, adapt to specific audiences, and effectively use non-verbal and verbal communication skills. Students will have many opportunities to present talks on a variety of informative, persuasive, and entertaining topics.*

IU ACP S121 PUBLIC SPEAKING

Prerequisites: 2.7 GPA (IU ACP application & tuition required for 3 hours of college credit.)

COURSE: *This college level course explores the theory and practice of public speaking. Students will be trained in the thought processes necessary for effective organization, audience analysis, language choice and delivery. Students will also be given many opportunities to demonstrate an understanding of these thought processes through a variety of formal and informal oral presentations.*

Electives

LANGUAGE ARTS LAB

COURSE: *Language Arts Lab is a remediation course designed to give students who have not yet developed proficienc, skill in the application of the language arts content standards (essential skills). The 8th grade ISTEP Language Arts score is a major consideration in enrolling in Language Arts Lab. The course focuses on reading, writing, discussion, and listening skills necessary to perform successfully both in school and the community. Using an integrated approach to teach the Indiana language arts content standards, the course works to instill a lifelong interest in and appreciation for reading and writing. (This course does not meet English credit requirements for graduation.)*

LAL 1-2

Prerequisites: None

COURSE: *This course is an intensive reading intervention program designed to meet the needs of students whose reading achievement is below the proficient level. The program directly addresses individual needs through adaptive and instructional software, high interest literature, and direct instruction in reading and writing skills.*

MASS MEDIA

Prerequisites: None

COURSE: *Mass Media offers various opportunities for hands-on activities in a state of the art television production studio. This course deals with the influences of the mass media in our lives: past, present, and future. While it covers all of the major mass media, the course focuses on radio and television. Students will learn scriptwriting, camera and audio recording techniques, editing and special effects production. Because this course involves a studio environment and has a limited enrollment, students are expected to have a mature work ethic and strong self-motivation.*

THEATRE ARTS

Prerequisites: None

COURSE: *Students in Theatre Arts work in the classroom and on the stage. The course begins with a unit on improvisation, then moves to basic acting. Students are required to read aloud, perform in front of the rest of the class, and memorize their parts. Students memorize and perform monologues, Shakespearean soliloquies, and group scenes. The grade in this course is based heavily on participation and performances.*

ADVANCED THEATRE ARTS

Prerequisites: Theater Arts

COURSE: *Students enrolled in Advanced Theatre Arts read and analyze plays and apply criteria to make informed judgements. They draw on events and experiences to create scripted monologues and scenes, create scenic designs for existing plays, and build characters through observation, improvisation and script analysis. Additionally, students explore careers in theatre arts and begin to develop a portfolio of their work. They also attend and critique theatre productions and identify ways to support the theatre in their community.*

THEATRE PRODUCTION

Prerequisites: Theatre Arts and teacher's approval

COURSE: *Theatre Production focuses on the fundamentals of play production, directing, play writing, and performing. (Introduction to the principles of acting is part of Theatre Arts.) Students will gain an understanding of the theatre and the place of drama in the world. Students will explore their range of creativity, interpretation, and skill by acting in scenes, directing scenes, writing a monologue or one-act play, and researching major playwrights.*

JOURNALISM

COURSE: *Journalism is a study of news elements, journalism history, First Amendment law, ethics, fact and opinion, copy editing, news, and features as they apply to print and digital media products. It includes a comparison study of journalistic writing to other types of English writing with practical application of news, features, editorials, reviews, columns and digital media writing forms. For the second credit: Students continue to develop journalistic writing skills in addition to studying graphic design, advertising, public relations, photojournalism and emerging media development and design. By the end of the semester, students write, shoot and design stories for print and digital media products.*

STUDENT PUBLICATIONS (NEWSPAPER OR YEARBOOK)

a max of 8 credits over 4 years

Prerequisite: Journalism(completed or concurrent enrollment)

COURSE: *Student Publications, a course based on the High School Journalism Standards and the Student Publications Standards, is the continuation of the study of journalism. Students demonstrate their ability to do journalistic writing and design for high school publications, including school newspapers and yearbooks, and a variety of media formats. Students work on high school publications or media staffs.*

FAMILY AND CONSUMER SCIENCE DEPARTMENT Course Offerings

Content provided by MHS Family and Consumer Science department… revised 11/2017…Karen McCartney, Chair

NUTRITION & WELLNESS/ADVANCED NUTRITION & WELLNESS

Prerequisites: NW1: none; NW2: C or better in NW1
Supplies: Included in lab fee
COURSE: *Nutrition & Wellness focuses on wellness of the student as it relates to food and nutrition. Students will be expected to work with peers in a lab situation. Students will need to be responsible for planning labs, following safety rules, caring for equipment and supplies, while being a contributing group member.*

INTRO TO CULINARY ARTS

Prerequisites: Nutrition & Wellness, Advanced Nutrition and Wellness, or permission of the instructor

COURSE: *This is an exploratory course for students considering career pathways related to culinary arts. Topics include safety, sanitation, storage and recycling processes in the industry; impacts of science and technology on the industry; and culinary arts career pathways.*

CULINARY ARTS MANAGEMENT (PROSTART 1)
ADVANCED CULINARTY ARTS (PROSTART 2)

Prerequisites: Nutrition and Wellness, Advanced Nutr/Well and Intro to Culinary.
Supplies: Included in lab fee

COURSE: *This is a two year, school-to-work course that combines approved classroom work, (hands-on food preparation), with paid and mentored internships (jobs in food service during these two years). This course focuses on the skills students need to have for food service management.*

INTRO TO HOUSING & INTERIORS

Prerequisites: None

COURSE: *Housing is a study of all aspects of the home and its environment. Topics include a broad range of concepts: housing styles, elements and principals of design relating to interiors such as color, balance, lighting, and furnishings. Students will learn how to read a blue print and apply design concepts by creating a floor plan design.*

INTRO TO FASHION & TEXTILES

Prerequisites: None
Supplies: Some included in lab fee; additional supplies required for projects.

COURSE: *Addresses knowledge and skills related to design, production, acquisition, and distribution in the textiles and fashions arenas. Work-based, entrepreneurial, experimental, laboratory, and/or service learning are to be included; and portfolio activities are required.*

FASHION & TEXTILE CAREERS I & II

Prerequisites: Intro to Fashion & Textiles

COURSE: *Fashion and Textiles Careers I prepares students for occupations and higher education programs of study related to careers in the fashion industry. A strong school-based project approach will be used in the classroom. Also, work-based experience is strongly encouraged to enhance the learning process.*

CHILD DEVELOPMENT & PARENTING

Prerequisites: None

COURSE: *Child Development & Parenting focuses on parenting practices and skills that support the positive development of children with in their families. Topics include brain development research, responsibilities and challenges of parenting, adolescent pregnancy, prenatal development, birth, developmental growth for infants through school age children and adolescents. This class is project oriented.*

ADVANCED CHILD DEVELOPMENT

Prerequisites: Child Development & Parenting passed with a C grade or higher.

COURSE: *Focus is on the pre-school aged child. Students learn to interact with children and create developmental activities for children attending our preschool lab. Students must be able to work individually and as a team player. The course takes the perspective of the role of a child care provider.*

INTERPERSONAL RELATIONSHIPS

Prerequisites: None

COURSE: *This class is about managing your roles and relationships within your family, with friends, and in the school and work environment. Students will learn healthy ways to communicate and relate to others. The students will learn about factors that affect relationships and lead to communication break downs. The student will focus on how to build and maintain healthy relationships. Conflict and stress management skills are also emphasized. This class will involve active participation through discussion, projects, and individual and team work. Students wanting to learn relationship skills to last a life time should enroll.*

ADULT ROLES AND RESPONSIBILITIES

Prerequisites: None

COURSE: *This course builds knowledge, skills, and behaviors students will need as they prepare to take the next step toward graduation and adulthood in today's ever changing society. The focus is on becoming an independent, contributing, and responsible participant in family, community, and career settings. This class focuses on personal goal setting, and decision making related to one's independence. This includes making good choices on topics such as community involvement, safety, nutrition, money management, (credit use, checking accounts, payroll/taxes), buying a car, renting/buying a house, and purchasing costly items. This is a must have class for those who will soon be living on their own in the near future.*

HEALTH & PHYSICAL EDUCATION Course Offerings

Content provided by MHS Health & Physical Education Department…revised 11/2017…Linda Schrader, Chair

HEALTH EDUCATION

Prerequisites: None

COURSE: *High school health education provides the basis for continued methods of developing knowledge, concepts, skills behaviors, and attitudes related to student health and well-being. This course includes the major content areas in a planned, sequential, comprehensive health education curriculum as expressed in the Indiana Health Education Standards Guide: (1) Personal Health; (2) Mental and Emotional Health; (3) Suicide Prevention; (4) Nutrition; (5) Alcohol, Tobacco and Other Drugs; (6) Growth and Human Sexuality; (7) Risk and Injury Prevention; (8) CPR.*

ADVANCED HEALTH EDUCATION

Prerequisites: Health Education

COURSE: *This course focuses on health concerns and health risk appraisals, which might include: (1) individual wellness plans, (2) health promotion, (3) chronic and communicable diseases, (4) stress management, (5) personal fitness, (6) management of sports injuries, (7) death and dying, and (8) first aid. Careers in health are addressed within the context of the course.*

PHYSICAL EDUCATION 1 & 2

Prerequisites: None

COURSE: *The program includes skill development and the application of rules and strategies in the following areas: 1) health related fitness activities 2) aerobic exercise 3) team sports 4) individual and dual sports 5) aquatics 6) recreational games 7) community water safety. Evaluation includes both written and performance based skill assessment as well daily participation in class.*

NOTE: Students who fail to complete PE will be required to complete the course(s) in summer school or before graduation.

ELECTIVE PE: ADVANCED PHYSICAL EDUCATION 1–6

Prerequisites: PE I & II ("C" or better average in both)

Supplies: Designated gym equipment

COURSE: *The course focuses on health-related physical fitness activities and individual or dual sports. This course is designed for students who have demonstrated an interest in physical conditioning, have achieved success in PE I and II, and are willing to work. Advanced PE includes Weight Training and Lifetime Sports activities.*

ELECTIVE PE: ATHLETIC WEIGHT TRAINING 1–6
INTRO TO ATHLETIC WEIGHT TRAINING

Prerequisites: Must have competed in at least one high school sport last year and intend on competing again this year. **AND** must have obtained a grade of B or Higher in 9th PE. **OR** obtained consent of the course instructor.

Supplies: Designated gym equipment

COURSE: *This course focuses on advanced weight training techniques designed to improve the overall ability, performance, and sports science knowledge necessary in athletics. Students will take part in the Bigger Faster Stronger program. As this is an introductory course, much emphasis will be placed on teaching of proper lifting technique, spotting, and weight room safety. Students will understand safe and appropriate use and care of weight room equipment and facility. Other areas besides strength training that will be explored include speed development training, upper and lower body plyometric training, and agility/footwork training. Students will be receive monthly performance testing, and will learn to log and assess personal daily performance. All students must follow procedures and policies set forth by the PE Department.*

MATHEMATICS DEPARTMENT Course Offerings

Content provided by MHS Mathematics Department…revised 11/2017…Amy Foley, Chair

ALGEBRA I

Prerequisites: None
Supplies: Scientific calculator
COURSE: *Algebra I is a full year course that provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations.*

MATH LAB A I

Prerequisites: None
COURSE: *Math Lab AI is a mathematics support course for Algebra I. The course provides students with additional time to build the foundation necessary for high school math courses.*

ALGEBRA II

Prerequisites: Algebra I
Supplies: Graphing calculator
COURSE: *Algebra II 1 is a course that extends the content of Algebra I and provides further development of the concept of a function.*

ALGEBRA II (H)
IvyT MATH 136 3 CREDITS

Prerequisites: Algebra I
Supplies: Graphing calculator
COURSE: *This course is designed for advanced students who intend to later enroll in Calculus and/or M118. It is a course that quickly reviews the topics of Algebra I and then proceeds into advanced algebraic topics. This course may be taken concurrently with Geometry Honors.*

ALGEBRA II/MATH LAB A II (DAILY)

Prerequisites: Algebra I
Supplies: Graphing calculator
COURSE: *Algebra II (Daily Option) meets every day to provide the student the time needed to understand the concepts of Algebra II. This course should be considered for the student who has not achieved at the A or B level in Algebra I.*

GEOMETRY I

Prerequisite: Algebra I
Supplies: Scientific calculator, compass, straightedge, protractor
COURSE: *Students enrolled in Geometry I examine the properties of two- and three-dimensional shapes. Proof and logic, as well as investigative strategies in drawing conclusions, are stressed.*

GEOMETRY I/MATH LAB G (DAILY)

Prerequisite: Algebra I [C or below recommended]
Supplies: Scientific calculator, compass, straight-edge, protractor
COURSE: *Geometry I meets every day to help the student understand the concepts of Geometry I. This course should be considered for the student who has not achieved at the A or B level in Algebra I .*

GEOMETRY I (H)

Prerequisites: Must meet high ability criteria and have Algebra I credit
Supplies: Compass, straight edge, protractor, and scientific calculator
COURSE: *This course is designed for advanced students who intend to later enroll in Calculus and/or M118. Emphasis will be placed on logical reasoning and proof writing skills. This course may be taken concurrently with Algebra II Honors or Pre-calculus/Trigonometry Honors.*

*Note: Math Lab is part of daily Algebra II and Geometry

PRE-CALCULUS

Prerequisites: Algebra II; Geometry I
Supplies: Graphing calculator
COURSE: *Pre-Calculus blends the concepts and skills that must be mastered before enrollment in a college-level calculus course. The course includes the study of (1) relations and functions, (2) exponential and logarithmic functions, (3) trigonometry in triangles, (4) trigonometric functions, (5) trigonometric identities and equations, (6) polar coordinates and complex numbers, (7) sequences and series and (8) data analysis. Students successfully completing this course are prepared for AP Calculus AB/IU ACP M215.*

PRE-CALCULUS (H)
IvyT MATH 137 3 CREDITS

Prerequisites: Algebra II
Supplies: Graphing calculator
COURSE: *This course is designed for advanced students who intend to later enroll in Calculus and/or M118. This course combines an intensive study of algebraic topics with an introduction to trigonometric and analytical techniques. This course may be taken concurrently with Geometry Honors.*

CALCULUS

Prerequisites: Pre-Calculus (including Trigonometry)
Supplies: Graphing calculator
COURSE: *This course will cover the basics of both differential and integral calculus. This course is designed to cover the same topics as a college level calculus course but at a slower pace and with more emphasis on strengthening foundational knowledge. College credit is NOT available for this course.*

FINITE MATHEMATICS
IU ACP FINITE MATH M118

Prerequisites: Pre-Calculus (IU ACP application & tuition required for 3 hours of college credit.)
COURSE: *Throughout the course there is an emphasis on ideas and techniques useful in solving problems with an emphasis on probability and linear mathematics. Students may elect to*

take the course for Indiana University credit and meet one of the requirements for inclusion into the School of Business.

AP CALCULUS AB/ IU ACP CALCULUS I M215

Prerequisites: Pre-Calculus (IU ACP application & tuition required for 5 hours of college credit.)
Supplies: Graphing Calculator

COURSE: *An Advanced Placement (AP) course in calculus consists of a full high school academic year of work that is comparable to calculus courses in colleges and universities. It is expected that students who take an AP course in calculus will seek college credit, college placement, or both, from institutions of higher learning. The national Advanced Placement Calculus AB exam in May is a requirement for all students in the course, except those who have enrolled for college credit from Indiana University through the Advance College Project (ACP). In recent years the Indiana Department of Education has covered the cost of the AP exam [$87] for students enrolled in this course.*

AP CALCULUS BC IU ACP CALCULUS II M216

Prerequisites: M215. (IU ACP application & tuition required for 5 hours of college credit.)
Supplies: Graphing Calculator

COURSE: *An Advanced Placement (AP) course in calculus consists of a full high school academic year of work that is comparable to calculus courses in colleges and universities. It is expected that students who take an AP course in calculus will seek college credit, college placement, or both, from institutions of higher learning. The national Advanced Placement Calculus BC exam in May is a requirement for all students in the course, except those who have enrolled for college credit from Indiana University through the Advance College Project (ACP). In recent years the Indiana Department of Education has covered the cost of the AP exam [$87] for students enrolled in this course.*

AP STATISTICS

Prerequisites: Algebra II and 3.0 GPA
Supplies: Graphing Calculator
COURSE: *Statistics, Advanced Placement is a course based on content established by the College Board. The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The national Advanced Placement Statistics exam in May is a requirement for students in this course.*

CCR BRIDGE: MATH READY

Prerequisites: In grade 11, students who have not passed the Grade 10 Math ISTEP+ (or old Algebra 1 ECA) and have scored below a 45 on the PSAT test OR students who score below proficient on a diagnostic test should be placed in the Literacy Ready course.
Supplies: Graphing Calculator
COURSE: *The CCR Bridge: Math Ready course will include and reinforce the Algebra 1, Geometry, Algebra 2 and Statistics skills necessary to be ready for an entry-level college math course. This course emphasizes understanding of math concepts rather than just memorizing procedures. Math Ready students learn the context behind the procedure: why to use a certain formula or method to solve a problem, for example. This equips them with higher-order thinking skills in order to apply math skills, functions and concepts in different situations. The course is intended for students who currently have achieved the minimum math requirements for college entry. The content of this course is designed to enhance students' math skills so that they are ready for college-level math assignments. It is not designed to prepare students for college-level math in STEM majors.*

Counts as a Mathematics Course for all diplomas

MUSIC DEPARTMENT Course Offerings

Content provided by MHS Music Department…revised 11/2017…Dennis Gamble, Chair

INSTRUMENTAL MUSIC COURSES (Band and Orchestra)

Prerequisites: Audition and approval of director.
Supplies:
An approved and fully functional band or orchestra instrument is required for participation. If a student does not own an instrument, a school owned instrument may be available for rental for a yearly $35.00 rental fee. All percussionists are assessed a $35.00 per year fee in order to play school instruments.

Ensemble activities are designed to develop elements of musicianship including, but not limited to: tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, and studying historically significant styles of literature. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience.

Time outside of the school day may be scheduled for dress rehearsals. Required public performances and ISSMA contest events outside of the school day and on limited weekends will serve as a culmination of daily rehearsal and musical goals.

Marching Band is not a separate course. All band members are expected to participate in Marching Band through the football season except cheerleaders, football players and any others up to the discretion of the band director. Those not marching will have to complete an alternate assignment. A required concentrated two week band camp is scheduled before the opening of school in August to prepare for marching shows, and two required evening rehearsals each week are held in addition to regular class time during the football season.

Students enrolled in any concert or advanced band classes are required to perform in a limited number of Pep Band performances during the basketball seasons

INTERMEDIATE CONCERT BAND OR INTERMEDIATE CONCERT ORCHESTRA

Prerequisites: This group performs grade 2 literature or above. Audition based on ISSMA performance rubric and approval of director.

ADVANCED CONCERT BAND OR ADVANCED CONCERT ORCHESTRA

Prerequisites: This group performs grade 3 to 5 literature. Audition based on ISSMA performance rubric and approval of director.

JAZZ ENSEMBLES - (H)

Prerequisites: Audition based on ISSMA performance rubric and approval of director.
Rehearsal schedule:
Maroon Days from 7:00 am until 7:50 am
White Days from 7:00 am until 7:50 am
Supplies: An approved musical instrument.
COURSES: *These two honors courses are designed for advanced instrumentalists to study and perform swing, jazz, rock, Latin, Avant-Garde and popular music. Jazz theory, stylistic performance and improvisation skills are developed.*

Students must be enrolled concurrently in a recognized musical organization at Mishawaka High School. Exceptions include musicians playing instruments not normally found in these ensembles such as piano or guitar up to the director's discretion

MAROON DAY JAZZ

Students perform in a traditional standard "Big Band" instrumentation of 16-20 musicians picked on the basis of audition.

Students will perform in at least one professionally adjudicated jazz festival and/or ISSMA contest during the school year.

WHITE DAY JAZZ

This group is open to all instrumentalists in the music department including string players in orchestra.

The function of this course is to develop more advanced improvisational skills through the use of standard tunes, scale and chord theory, pattern and form development and original compositions in a non-traditional instrumentation setting.

CADET CHOIR (BEGINNING/INTERMEDIATE CHOIR)

COURSE: *This course meets both semesters for 1 credit per semester with no prerequisites. It is a mixed training choir for all high school students desiring to take a course that provides participation in group singing for 2-3-4 parts, instruction in vocal production, general musicianship and preparation for advancement to auditioned performance groups. Cadet choir performs at Fall Festival and Mayfest. By audition, students may advance to A'cappella, Madrigals and/or Maroon Jazz. Class requirements include the purchase of the MHS Choir t-shirt and attendance at all required performances.*

A'CAPPELLA CHOIR (ADVANCED CHORUS)

COURSE: *This course meets both semesters for 1 credit per semester. It is an auditioned, mixed advanced choir for 10-12 grade students desiring to take a course that provides participation in group singing for 4-6 parts, instruction in vocal production and general musicianship performing advanced choral literature. A'cappella choir performs at Vespers, Evening at the Pops, Mayfest, and graduation ceremonies. Students must re-audition to be a member for the following school year. Class requirements include attendance at all required performances. The class uniform is provided through the choral department.*

MAROON JAZZ (VOCAL JAZZ)

COURSE: *This course meets both semesters for 1 credit per semester. It is an auditioned, mixed advanced choir for 10-12 grade students desiring to take a course that provides advanced instruction in jazz and pop singing for 4-8 parts. Special attention is given, to a'cappella and improvisatory*

singing, showmanship as well as standard performance practice. Maroon Jazz performs at Fall Festival, ISSMA Vocal Jazz contest, Evening at the Pops, Mayfest, community events and graduation ceremonies. Students must re-audition to be a member for the following school year. Class requirements include attendance at all required performances. The class uniform is provided through the choral department.

MHS MADRIGALS HONOR SOCIETY (CHORAL CHAMBER)

COURSE: *This course meets first semester for 1 honors credit. It is an auditioned, mixed advanced performance ensemble that studies and performs advanced a'cappella choral literature of antiquity, sacred and secular. Special attention is given to sight-reading, diction, a'cappella ensemble singing and development of musicianship. The group is available for community and school functions. This group will perform at Fall Festival, Vespers, First Source Bank, Tippecanoe Place Restaurant and various events in November and December. Students must re-audition to be a member for the following school year. Class requirements include attendance at all required performances. The individual costumes are provided through the choral department.*

AP MUSIC THEORY/HUMA117

COURSE: *This course meets both semesters for 1 credit per semester. It is designed to prepare students for taking the College Board AP Music theory test in the spring. It is also essential to entering any comprehensive college music program. Students will (1) develop ear training and dictation skills, (2) compose works that illustrate mastered concepts, (3) understand harmonic structures and analysis, (4) understand modes and scales as well as (5) be introduced to traditional jazz theory. This course is designed for any student who wants to be challenged and enjoys learning more complex music skills than what are usually offered in general music and music performance classes.*

PIANO & ELECTRIC KEYBOARD

Length of Course: 2nd Semester, every other year, alternating with Music Theory & Composition - 1 Credit

Prerequisite: Some keyboard experience preferred but not required; approval of instructor.

COURSE: *Piano & Electric Keyboard class teaches basic keyboard skills, approaching each student at his individual level of proficiency with evaluation based on progress. Students are offered instruction in piano and electronic keyboard in order to develop music proficiency and musicianship.*

SCIENCE DEPARTMENT Course Offerings

Content provided by MHS Science Department…revised 11/2017…Gregory Smith, Chair

BIOLOGY I

Prerequisites: None

COURSE: *This course is a broad overview of the study of biology. Students will explore the world around them from what they can see with their eyes to the microscopic cells that make up all life on this planet. Students will engage in laboratory investigations, problem based learning, and develop inquiry skills to be used in later courses. Students will complete a science ISTEP in May.*

BIOLOGY I (H)

Prerequisites: Teacher recommendation/High Ability Director approval

COURSE: *This accelerated course is intended for the students with strong interests and outstanding past performance in science classes. This course helps prepare students who plan to pursue studies or careers in the scientific field. Students will complete a science ISTEP in May.*

BIOLOGY II

Prerequisites: Biology I and Chemistry I or permission of instructor

COURSE: *This is an accelerated in-depth look into the biological world and the role humans play in it. Student learning will be enhanced by laboratory and field investigations. This is the non-college credit course offered with the dual-credit course.*

IU ACP BIOLOGY L100 HUMANS AND THE BIOLOGICAL WORLD

Prerequisites: This is an accelerated in-depth look into the biological world and the role humans play in it. Student learning will be enhanced by laboratory and field investigations. This is equivalent to a one semester non-majors college level introductory biology course. This is a college credit course offered through Indiana University

IU ACP P130 HUMAN PHYSIOLOGY & ANATOMY

Prerequisites: ACP–MHS application, (IU ACP application & tuition required for 3 hours of college credit.)

COURSE: *This course is designed to explore the anatomical and physiological aspects of human beings. This is an introductory college level course that helps prepare students for further studies in biology, medicine, and physical therapy. Students may choose to take this course for college credit if they qualify for the ACP program.*

EARTH & SPACE SCIENCE I

Prerequisites: None

COURSE: *This course covers the four major areas of Earth Science; Astronomy, Geology, Meteorology, and Oceanography. In astronomy, students will investigate galaxies, stars, the solar system, and the earth-moon system. Students taking this class can expect to experience a wide variety of activities in order to learn the objectives being taught.*

AP ENVIRONMENTAL SCIENCE/BIOL120

Prerequisites: Earth Science I 1&2 (with grade of B or better) AND Biology I 1&2 (with a grade of B or better)

COURSE: *This course is an interdisciplinary course that integrates biology, earth science, chemistry, and other disciplines. Students will acquire the essential tools for understanding the complexities of national and global environmental systems. During the month of May, students enrolled in this course will take the corresponding national Advanced Placement (AP) exam.*

INTEGRATED CHEMISTRY AND PHYSICS I

Prerequisites: Algebra or equivalent

Supplies: Calculator; 3 ring binder or folder

COURSE: *A laboratory-based course in which students explore fundamental chemistry and physics principles. Working in a laboratory environment, students investigate the basics of chemistry and physics in solving real-world problems that may have personal or social consequences beyond the classroom.*

PHYSICS I

Prerequisites: Concurrent enrollment in Algebra II or higher math course

Supplies: Scientific calculator; notebook

COURSE: *This course is a laboratory-based course in which students synthesize the fundamental concepts and principles related to matter and energy, including mechanics, wave motion, heat, light, electricity, magnetism, atomic and subatomic physics.*

IU ACP P221 PHYSICS

Prerequisites: Credit or concurrent enrollment in Calculus (IU ACP application & tuition required for 5 hours of college credit.)

COURSE: *This is an advanced first year Calculus based physics course designed for the student who plans on attending college and studying in the fields of science or mathematics. It is an Indiana University course and students will have the option of enrolling for credit through IUSB.*

AP PHYSICS 1: ALGEBRA BASED IVVT PHYS 101 (4 CREDITS)

Prerequisites: Credit or current enrollment in Algebra II

COURSE: *AP Physics 1 is the equivalent to a first semester college course in algebra based physics. During the month of May, students enrolled in this course will take the corresponding national Advanced Placement (AP) exam.*

AP PHYSICS 2: ALGEBRA BASED IVVT PHYS 102 (4 CREDITS)

Prerequisites: Credit or current enrollment in Algebra II. Credit in one of the following: AP Physics 1, ACP Physics, Physics 1

COURSE: *AP Physics 2 is the equivalent to a second*

semester college course in algebra based physics. During the month of May, students enrolled in this course will take the corresponding national Advanced Placement (AP) exam.

CHEMISTRY I

Prerequisites: Algebra I and Biology I
Supplies: Scientific Calculator

COURSE: *This course is an introductory chemistry course designed for students to build a foundation for future classes. Students will participate in regular laboratory investigations as they explore the chemical world around them.*

CHEMISTRY I (H)

Prerequisites: Algebra I, Biology I Honors [C av. or better] or Biology I [A or B av.] with High Ability approval
Supplies: Scientific Calculator

COURSE: *This is an accelerated course designed to give students a strong foundation in the basic concepts of chemistry through problem-solving, inquiry, and laboratory investigation. This course is designed for students planning on attending college who are strong in science and math.*

CHEMISTRY II (H)/
IVYT CHEM 101 (3 CREDITS)

Prerequisites: Chemistry I
Prerequisets for college credit: Score 46+ for critical reading and writng on PSAT; plus qualifying Math score on Accuplacer
Supplies: Scientific calculator

COURSE: *This course is designed for successful Chemistry I students who intent to pursue additional course work in science in college. The laboratory aspect of the course involves refinement of lab skills and quantitative analysis.*

PROJECT LEAD THE WAY

BIOMEDICAL SCIENCES PROGRAM

Students explore the concepts of human medicine and are introduced to research processes and to bioinformatics. Hands-on projects enable students to investigate human body systems and various health conditions.

PRINCIPLES OF BIOMEDICAL SCIENCES
IUPUI BIOL 10011 (DUAL CREDIT PENDING/3 CREDITS)

Prerequisites: None

COURSE: *The course is designed to provide an overview of all the courses in the Biomedical Sciences Program and to lay the scientific foundation necessary for student success in the subsequent courses. The key biological concepts embedded in the curriculum include homeostasis, metabolism, and inheritance of traits, feedback systems, and defense against disease.*

HUMAN BODY SYSTEMS
IUPUI BIOL 10012 (DUAL CREDIT PENDING/3 CREDITS)

Prerequisites: Principles of Biomedical Science

COURSE: *The course is designed to engage students in the study of basic human physiology and the care and maintenance required to support the complex systems. Students will examine body systems at rest, under stress, observe the interactions between the various body systems, and use appropriate software to design and build systems to monitor body functions.*

MEDICAL INTERVENTION
IUPUI BIOL 10013 (DUAL CREDIT PENDING/3 CREDITS)

Prerequisites: Human Body Systems

COURSE: *In this course students study medical practices including interventions to support humans in treating disease and maintaining health. Using a project-based learning approach, students will investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care.*

BIOMEDICAL INNOVATION
IVYT BIOT 107 (4 CREDITS)

Prerequisites: Medical Interventions

COURSE: *This is the capstone course in the Biomedical Pathway. Students will work to solve large real-world problems and case develop case specific innovations. Students will design and run an independent project and present their findings in various showcases.*

SCIENCE INTERNSHIPS AT UNIVERSITY OF NOTRE DAME

Prerequisites: Completed Chemistry I or Advanced Biology with a B or better
Availability: Twelve students per semester

COURSE: *Students will assist/participate in biology or nuclear science and nuclear energy research projects at the University of Notre Dame Biology Department or Energy Frontier Research Center under the direction of graduate students and UND staff. The internship meets M/W or T/Th alternating every other week from 2:15 – 4:00 P.M. each week that both MHS and UND are in session. Students must provide their own transportation.*

SOCIAL STUDIES DEPARTMENT Course Offerings

Content provided by MHS Social Studies Department…revised 11/2017…Mike Breske, Chair

GEOGRAPHY & THE HISTORY OF THE WORLD

Prerequisites: None

COURSE: *This course is designed to enable students to use geographical tools, skills and historical concepts to deepen their understanding of major global themes including the origin and spread of world religions; exploration; conquest, and imperialism; urbanization; and innovations and revolutions.*

WORLD HISTORY & CIVILIZATION

Prerequisites: None

COURSE: *World History is a general survey course that covers the history of man's development from prehistoric times to the complex civilizations of today. The course is designed to give students an understanding of the world in which they live and some of the many problems present in today's interrelated world. Emphasis is placed on modern developments in the history of the world.*

UNITED STATES HISTORY

Prerequisites: None

COURSE: *The students review the colonial, revolutionary, Civil War, and expansionist eras during the first few weeks. The major emphasis of the course is placed on a study of the twentieth century. The course teaches students to understand and appreciate the multitude of complex interrelationships of people and environment which constitutes the story of our nation.*

IU ACP H105-106 UNITED STATES HISTORY

Prerequisites: 2.7 GPA (IU ACP application & tuition required for 6 hours of college credit.)

COURSE: *This honors class is an accelerated version of the regular history course with emphasis on using higher thinking level, critical thinking skills. The coverage of domestic and foreign events in U.S. History will begin with Colonial development and extend to the 1980s. Supplemental readings will be part of the focus of class discussions. Most six weeks exams and the finals will be essay exams. College credit may be earned; details on page 3.*

AP MICROECONOMICS

Prerequisites: 3.0 GPA

Students are encouraged to take Microeconomics and Macroeconomics consecutively to be better prepared to take the AP exam at the end of the year.

COURSE: *The study of microeconomics requires students to understand that, in any economy, the existence of limited resources along with unlimited wants results in the need to make choices. An effective AP course, therefore, begins by introducing the concepts of opportunity costs and trade-offs, and illustrates these concepts by using the production possibilities curve or other analytical examples. The course can then proceed to a consideration of how different types of economies determine which goods and services to produce, how to produce them, and to whom to distribute them. It is also important that students understand why and how specialization and exchange increase the total output of goods and services. Students need to be able to differentiate between absolute and comparative advantage, to identify comparative advantage from differences in output levels and opportunity costs, and to determine the basis under which mutually advantageous trade can take place between countries. Specific examples from actual economic situations can be used to illustrate and reinforce the principles involved. The importance of property rights, the role of incentives in the functioning of free markets, and the principle of marginal analysis should be highlighted.*

AP MACROECONOMICS

Prerequisites: 3.0 GPA

COURSE: *The purpose of the AP course in macroeconomics is to give students a thorough understanding of the principals of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.*

ECONOMICS

Prerequisites: None

COURSE: *In this course students learn how today's economics systems work and how they are changing. Emphasis is placed on the manner in which groups of people react when they are buying, selling, job hunting, saving, investing, and operating business firms. The "economics way of thinking" is applied to problems in such areas as government financing, taxation, inflation, unemployment, foreign trade, environment, hunger, and energy. Students learn the vocabulary needed to read business publications. Field trips, guest speakers, and simulation games are used to enrich the instruction.*

PSYCHOLOGY

Prerequisites: None

COURSE: *Psychology is the study of individual behavior. Emphasis in the course is divided between the principles of mental health and psychological research and theory. Students may personally benefit from the possibility of more advanced uses of psychology such as in careers in the mental health field or college course work.*

SOCIOLOGY

Prerequisites: None

COURSE: *Sociology is the study of human group behavior with emphasis on current American social problems. Topics include marriage and marital conflict in a changing society, social status and social class with related political and economic issues, majority-minority group relationships with the consequences of stereotyping and prejudice, and deviant behavior with an emphasis on crime.*

TOPICS IN AMERICAN HISTORY: THE SIXTIES IN AMERICA

Prerequisites: United States History I & II

COURSE: *The 1960s remains one of the most contested decades in recent American history. Politicians and social commentators continue to squabble over its meaning and legacy. To some, the 1960s were a dream, to others a nightmare. Many look back fondly on the 1960s as a lost moment of opportunity and possibility, when a new and better America seemed possible. Over the course of this one semester class, we will explore the social, political and cultural contours of the 1960s with the hope that a more complex view of the decade will emerge.*

AP PSYCHOLOGY

Prerequisites: 3.0 GPA

COURSE: *This course is based on content established by the College Board. It is designed to introduce students to the systematic and scientific study of the behavior and mental processes. Topics include: 1) history and approaches, 2) research methods, 3) biological bases of behavior, 4) sensation and perception, 5) states of consciousness, 6) learning, 7) cognition, 8) motivation and emotion, 9) developmental psychology, 10) personality, 11) testing and individual differences, 12) abnormal psychology, 12) treatment of psychological disorders, and 14) social psychology. A comprehensive description of this course can be found on the College Board AP Central Course Description web age at: http://apcentral.collegeboard.com/apc.public/courses/descriptions/index.html*

UNITED STATES GOVERNMENT

Prerequisites: None

COURSE: *The course provides a framework for understanding the purposes, principles, and practices of constitutional representative democracy in the United States of America. Responsible and effective participation by citizens is stressed. Students will understand the nature of citizenship, politics, and government when they understand their rights and responsibilities as citizens and be able to explain how those rights and responsibilities as citizens are part of local, state, and national government in the United States today.*

IU ACP Y103 POLITICAL SCIENCE

Prerequisites: 3.0 GPA (IU ACP application & tuition required for 3 hours of college credit.)

COURSE: *This honors class is directed toward students who excel in social studies and serves as the government credit. The course is an introduction to principles, institutions, and dynamics of American government and politics. It also focuses on the origins and development of the U.S. Constitution; federalism; separation of powers; major institutions of national government and its political party base. The course also includes a discussion of the nature and problems of democracy. College credit may be earned; details on page 3.*

AP WORLD HISTORY

Prerequisites: 3.0 GPA

COURSE: *AP World History is a course that provides students with the content established by the College Board. The course will have a chronological frame from the periods 8000 B.C.E. to the present. AP World History focuses on five overarching themes: Interaction Between Humans and the Environment, Development and Interaction of Cultures, State-Building, Expansion, and Conflict, Creation, Expansion, and Interaction of Economic Systems, Development and Transformation of Social Structures.*

WORLD LANGUAGES DEPARTMENT Course Offerings

Content provided by MHS World Language Department…revised 11/2017…Kathy Zeiger, Chair

FRENCH I

Prerequisite: none

COURSE: *The course provides students with opportunities to respond to and give oral directions and commands and to make routine requests in the classroom and in public places, understand and use appropriate forms of address, and be able to tell about daily routines and events. They will ask and answer simple questions and participate in brief guided conversations relating to their needs and interests, read isolated words and phrases in a situational context, comprehend brief written directions and information, read short narrative texts on simple topics, write familiar words and phrases in appropriate contexts and respond in writing to various stimuli.*

FRENCH II

COURSE: *Students will be able to ask questions regarding interests and routine activities, participate in conversations on a variety of topics, and relate a simple narrative about a personal experience or event. They will also interact in a variety of situations to meet personal needs, understand main ideas and facts from simple texts over familiar topics, read aloud with appropriate intonation and pronunciation and write briefly in response to given situations. They will become familiar with different aspects of the culture.*

FRENCH III
IvyT FREN101-102 (4 credits each)

COURSE: *Level III French uses all skills learned in French 1 an 2 and provides instruction enabling students to understand and appreciate other cultures by comparing social behaviors and values of people using the languages being learned. Students must be willing to initiate and participate in discussions concerning these cultures. In addition, students will be able to respond to factual and interpretive questions and interact in social situations. They will read for comprehension from a variety of authentic materials, poetry, plays and short stories, complete authentic forms, take notes that require familiar vocabulary and structures, write paraphrases, summaries, and brief compositions, and describe different aspects of the culture.*

FRENCH IV (H)/
IU ACP FREN200-250 (3 credits each)

COURSE: *Level IV French enables students to participate conversations with native and advanced non-native speakers, either in their community or in the school. This course also enables students to respond to factual and interpretive questions, interact in complex social situations, express opinions and make judgments, give presentations on cultural topics, and paraphrase or restate what someone else has said. Students will read for comprehension from a variety of longer authentic materials, make judgments about what is read, write well organized compositions on a given topic and begin using the language creatively in writing simple poetry and prose. Students are also aware of major art, literary, musical, and artistic periods and genres.*

GERMAN I

Prerequisite: None

Supplies: German-English dictionary highly recommended

COURSE: *German I is an introductory course. Students will develop an understanding of the purpose and development of languages and explore the German culture, with a focus on schooling, shopping, and eating in a restaurant. They will also gain a significant number of useful vocabulary words and an understanding of the contexts in which they belong, and be able to convey basic information about themselves and others.*

GERMAN II

Prerequisite: German I

Supplies: German-English dictionary highly recommended

COURSE: *German II is an intermediate course which focuses on new grammar. Students will participate in conversations on a variety of topics, talk about daily routines, and talk about events in the past tense. They will gain a deeper understanding of German geography, history, and culture and plan a trip to Germany.*

GERMAN III

Prerequisite: German II

Supplies: German-English Dictionary

COURSE: *German III is an advanced course. Students will read and understand narrative and informational texts on a variety of topics, write summaries of texts, and explore advanced grammar topics. They will compare aspects of personal life between cultures and create a short story.*

GERMAN IV (H)

Prerequisite: German III

Supplies: German-English Dictionary

COURSE: *German IV is an Honors course. Students will read and understand narrative and informational texts on a variety of topics, write summaries of texts, and explore advanced grammar topics. They will compare aspects of personal life between cultures, create a short story, and engage in daily-life experiences like going to a doctor or making travel arrangements.*

JAPANESE I

Prerequisite: none

COURSE: *Japanese I serves to introduce students to the basics of Japanese language and culture. By the end of year 1, students should be able to manage rudimentary communication (including good manners) and begin forming an understanding of Japanese history and culture and its effects on Japanese communication.*

JAPANESE II

Prerequisite: Japanese I

COURSE: *Japanese II will develop upon the basics introduced in year 1 to deepen students' understanding of prior concepts,*

as well as expand communicative capability to cover more varied topics with increasingly precise and appropriate grammar, vocabulary, and nonverbal communication.

JAPANESE III

Prerequisite: Japanese II

COURSE: *Japanese III is an advanced expansion on students' communicative capabilities and understanding of Japanese culture. Students will be expected to demonstrate limited, basic fluency, including more nuanced communicative factors such as varying respect levels and body language. We will explore Japanese culture in much greater detail, discussing topics such as media genres, subcultures and marginalized populations, specific historical events and figures, and current issues (domestic and global) facing Japan.*

SPANISH I & II

Prerequisite: none for Spanish I; Spanish I for Spanish II
Supplies: Spanish-English dictionary recommended

COURSE: *Spanish 1 enables students to learn the basics to communicate in Spanish through their participation in speaking, listening, writing and reading activities. Students will participate in conversations, asking and answering questions on a variety of topics. They will also practice vocabulary and grammatical structures in a communicative manner, talk and write about personal experiences and events, understand main ideas and facts from simple texts on familiar topics, and increase their understanding of Spanish-speaking cultures. Spanish II continues to build upon the foundation established in Spanish I.*

SPANISH III
IvyT S101/102 (4 CREDITS EACH)

Prerequisites: Spanish II
Supplies: Spanish-English dictionary
COURSE: *Spanish III is an introduction to the Spanish language at the collegiate level in which students develop their speaking, listening, writing, and reading proficiencies in Spanish. Students will interact in Spanish with the instructor and classmates, practicing vocabulary and grammatical structures in a communicative, meaningful way. They will develop an awareness of other cultures with an integration of cultural topics throughout the semester. Students will learn skills that they can use in many future career fields, including careers in government, social service, education, Science, travel & tourism, business, and communications.*

SPANISH IV (H)/
IU ACP SPAN200-250 (3 CREDITS EACH)

Prerequisite: Spanish III, IU ACP application & tuition required for 3 hours of college credit.
Supplies: Spanish – English Dictionary
COURSE: *Spanish IV is an introduction to intermediate Spanish at the collegiate level in which students develop their speaking, listening, writing, and reading proficiencies in Spanish. Students will communicate with classmates and the instructor using only the target language for a complete immersion in the Spanish language. They will develop an awareness of other cultures with an integration of cultural topics throughout the semester. Students will learn skills that they can use in many future career fields, including careers in government, social service, education, Science, travel & tourism, business, and communications.*

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