

Shadyside High School

Course Descriptions

<p>Department: Fine Arts Course Title: Art 5 Catalog # 020005 Prerequisite: Art 1, Art 2, Art 3, Art 4</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Grade Level</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Credit</th> </tr> </thead> <tbody> <tr> <td>11-12</td> <td>Full Year</td> <td>One Fine Arts</td> </tr> </tbody> </table> <p>Instructor: J. Mamone Period Offered 3 5</p>	Grade Level	Length	Credit	11-12	Full Year	One Fine Arts	<p>ART 5</p> <p>This course is designed for the serious art student who probably plans to pursue art, in some form, as a career. Your projects, as an Art 5 student, will be quite extensive. You will continue the development of your artistic style and concentrate heavily in your media of interest. The prerequisites for Art 5 are Art 1, Art 2, Art 3 and Art 4. This course is for a FINE ARTS credit.</p> <p>Art 3, Art 4, & Art 5 may be taken in the same school year with permission.</p>
Grade Level	Length	Credit					
11-12	Full Year	One Fine Arts					
<p>Department: Fine Arts Course Title: Art 6 Catalog # 020006 Prerequisite: Art 1, Art 2, Art 3, Art 4, Art 5</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Grade Level</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Credit</th> </tr> </thead> <tbody> <tr> <td>11-12</td> <td>Full Year</td> <td>One Fine Arts</td> </tr> </tbody> </table> <p>Instructor: J. Mamone Period Offered 3 5</p>	Grade Level	Length	Credit	11-12	Full Year	One Fine Arts	<p>ART 6</p> <p>This course is designed for the serious art student who probably plans to pursue art, in some form, as a career. Your projects, as an Art 6 student, will be quite extensive. You will continue the development of your artistic style and concentrate heavily in your media of interest. The prerequisites for Art 6 are Art 1, Art 2, Art 3, Art 4 and Art 5. This course is for a FINE ARTS credit.</p> <p>Art 4, Art 5, & Art 6 may be taken in the same school year with permission.</p>
Grade Level	Length	Credit					
11-12	Full Year	One Fine Arts					
<p>Department: Fine Arts Course Title: Art 2 1/2 credit Catalog # 020022 Prerequisite: Art 1</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Grade Level</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Credit</th> </tr> </thead> <tbody> <tr> <td>10-12</td> <td>Semester</td> <td>One Half Fine Arts</td> </tr> </tbody> </table> <p>Instructor: J. Mamone Period Offered 3</p>	Grade Level	Length	Credit	10-12	Semester	One Half Fine Arts	<p>Art 2 1/2</p> <p>This course is designed to continue the Art 1 student's exposure to studio techniques and Art History. Emphasis shifts from working with as many media as possible to concentration on developing more in-depth projects. The Art 2 students are those students, regardless of grade, who are taking art for the second time in their high school career (9-12). The prerequisite for Art 2 is Art 1. This course is for a FINE ARTS credit.</p>
Grade Level	Length	Credit					
10-12	Semester	One Half Fine Arts					
<p>Department: Fine Arts Course Title: Visual Communications / Multimedia Production 1 Catalog # 020310 Prerequisite:</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Grade Level</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Credit</th> </tr> </thead> <tbody> <tr> <td>9-12</td> <td>Full Year</td> <td>One Fine Arts</td> </tr> </tbody> </table> <p>Instructor: J. Mamone Period Offered 7 8</p>	Grade Level	Length	Credit	9-12	Full Year	One Fine Arts	<p>VISUAL COMMUNICATIONS / MULTIMEDIA PRODUCTION 1</p> <p>Visual Communications / Multimedia production is the integration of visuals, whether drawn directly in a drawing or paint program, digitally scanned from existing artwork or photography, imported still photographs from a digital source, or imported movie clips from a video tape or camcorder, with sound to communicate a message. This course is designed to take advantage of new technologies and prepare you to be more of a communications expert. As a student you can expect to work with equipment such as camcorders, VCR's, state of the art multimedia computers, scanners, video editing systems (both linear and nonlinear), audio mixers, multitrack audio recorders, midi-keyboards and CD recorders to name just a few. You will also be exposed to web page design and creation and podcasting. Projects will range from the simple, taking a week or so to complete, to the very complex. When you have completed this course you will have a portfolio of your work to present to colleges and universities should you decide to continue in this field, or to use with a resume if the job market is your immediate goal. One of the objectives is to learn to communicate better with people. You will discover that communication involves listening to other opinions as well as offering your own. This course is for a FINE ARTS credit.</p>
Grade Level	Length	Credit					
9-12	Full Year	One Fine Arts					

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Course Descriptions

<p>Department: Fine Arts</p> <p>Course Title: Visual Communications / Multimedia Production 2</p> <p>Catalog # 020311</p> <p>Prerequisite: Visual Communications / Multimedia Production 1</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Grade Level</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Credit</th> </tr> </thead> <tbody> <tr> <td>10-12</td> <td>Full Year</td> <td>One Fine Arts</td> </tr> </tbody> </table> <p>Instructor: J. Mamone</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Period Offered</th> </tr> </thead> <tbody> <tr> <td>7 8</td> </tr> </tbody> </table>	Grade Level	Length	Credit	10-12	Full Year	One Fine Arts	Period Offered	7 8	<p style="text-align: center;">VISUAL COMMUNICATIONS / MULTIMEDIA PRODUCTION 2</p> <p>Visual Communications / Multimedia Production 2 is a continuation of the basic multimedia production course with increased exposure to more involved and complex projects. The emphasis in Visual Communications / Multimedia Production 2 will be on Video/DVD production, podcasting and website management. The prerequisite for Visual Communications / Multimedia Production 2 is Visual Communications / Multimedia Production 1. This course is for a FINE ARTS credit.</p>
Grade Level	Length	Credit							
10-12	Full Year	One Fine Arts							
Period Offered									
7 8									
<p>Department: Fine Arts</p> <p>Course Title: Visual Communications / Multimedia Production 3</p> <p>Catalog # 020312</p> <p>Prerequisite: Visual Communications / Multimedia Production 1 and Visual Communications / Multimedia Production 2</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Grade Level</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Credit</th> </tr> </thead> <tbody> <tr> <td>10-12</td> <td>Full Year</td> <td>One Fine Arts</td> </tr> </tbody> </table> <p>Instructor: J. Mamone</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Period Offered</th> </tr> </thead> <tbody> <tr> <td>7 8</td> </tr> </tbody> </table>	Grade Level	Length	Credit	10-12	Full Year	One Fine Arts	Period Offered	7 8	<p style="text-align: center;">VISUAL COMMUNICATIONS / MULTIMEDIA PRODUCTION 3</p> <p>Visual Communications / Multimedia Production 3 is a continuation of the Visual Communications / Multimedia Production 2 course with increased exposure to more involved and complex projects. The emphasis in Visual Communications / Multimedia Production 3 will be on Video/DVD production, podcasting and website management. The prerequisites for Visual Communications / Multimedia Production 3 is Visual Communications / Multimedia Production 1 and Visual Communications / Multimedia Production 2. This course is for a FINE ARTS credit.</p>
Grade Level	Length	Credit							
10-12	Full Year	One Fine Arts							
Period Offered									
7 8									
<p>Department: Fine Arts</p> <p>Course Title: Visual Communications / Multimedia Production 1/2 credit</p> <p>Catalog # 020313</p> <p>Prerequisite: Art 1</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Grade Level</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Credit</th> </tr> </thead> <tbody> <tr> <td>9-12</td> <td>Semester</td> <td>One Half Fine Arts</td> </tr> </tbody> </table> <p>Instructor: J. Mamone</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Period Offered</th> </tr> </thead> <tbody> <tr> <td>7 8</td> </tr> </tbody> </table>	Grade Level	Length	Credit	9-12	Semester	One Half Fine Arts	Period Offered	7 8	<p style="text-align: center;">VISUAL COMMUNICATIONS / MULTIMEDIA PRODUCTION 1/2</p> <p>Visual Communications / Multimedia Production 1/2 is the integration of visuals, whether drawn directly in a drawing or paint program, digitally scanned from existing artwork or photography, imported still photographs from a digital source, or imported movie clips from a video tape or camcorder, with sound to communicate a message. This course is designed to take advantage of new technologies and prepare you to be more of a communications expert. As a student you can expect to work with equipment such as camcorders, VCR's, state of the art multimedia computers, scanners, video editing systems (both linear and nonlinear), audio mixers, multitrack audio recorders, midi-keyboards and CD recorders to name just a few. You will also be exposed to web page design and creation and podcasting. Projects will range from the simple, taking a week or so to complete, to the very complex. When you have completed this course you will have a portfolio of your work to present to colleges and universities should you decide to continue in this field, or to use with a resume if the job market is your immediate goal. One of the objectives is to learn to communicate better with people. You will discover that communication involves listening to other opinions as well as offering your own. This course is for a FINE ARTS credit.</p>
Grade Level	Length	Credit							
9-12	Semester	One Half Fine Arts							
Period Offered									
7 8									
<p>Department: Home Economics</p> <p>Course Title: Family & Consumer Sciences I</p> <p>Catalog # 230011</p> <p>Prerequisite: None</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Grade Level</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Credit</th> </tr> </thead> <tbody> <tr> <td>9-12</td> <td>Full Year</td> <td>One</td> </tr> </tbody> </table> <p>Instructor: D. Coeey</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Period Offered</th> </tr> </thead> <tbody> <tr> <td>4 5 6 8</td> </tr> </tbody> </table>	Grade Level	Length	Credit	9-12	Full Year	One	Period Offered	4 5 6 8	<p style="text-align: center;">Family & Consumer Sciences I is a basic course designed to meet the needs of every student. The course is divided into units that teach the fundamental life skills required to succeed in the day to day world.</p> <p>The course is set up to be taken as either a full credit class to meet all year or as a 1/2 credit class to meet for only 1 semester. The areas addressed in the first semester will be : Childcare and Family Relations, Clothing Care and Construction (Sewing) and Decision Making. The areas addressed in the second semester will be : Foods and Nutrition, Time and Money Management and Housing.</p> <p>This course is a blend of group work, discussion and individual projects. Students must keep a notebook. A lab fee of \$10 is required for the second semester.</p>
Grade Level	Length	Credit							
9-12	Full Year	One							
Period Offered									
4 5 6 8									

Shadyside High School

Course Descriptions

Department: Industrial Arts
Course Title: Drafting II
Catalog #
 100320
Prerequisite: Drafting I
 Only offered to Vo-Tech Students

Grade Level	Length	Credit
11-12	Full Year	One

Instructor: J. Frye **Period Offered**
 8

DRAFTING II

Students will have already completed Drafting I. AutoCAD will be utilized extensively. Students will be introduced to more technical advanced mechanical drawings as well as more detailed architectural drawings. All of the students' work will be plotted and kept in a portfolio along with a disk that they may take with them at the end of the course.

Department: Industrial Arts
Course Title: Drafting III
 Only offered to Vo-Tech Students
Catalog #
 100330
Prerequisite: Drafting II

Grade Level	Length	Credit
12	Full Year	One

Instructor: J. Frye **Period Offered**
 8

DRAFTING III

Students will have already completed Drafting II. AutoCAD will be utilized extensively. Students will be introduced to more technical advanced mechanical drawings as well as more detailed architectural drawings. All of the students' work will be plotted and kept in a portfolio along with a disk that they may take with them at the end of the course.

Department: Industrial Arts
Course Title: General Shop I 10,11, 12
Catalog #
 100000
Prerequisite: preferred 10,11, 12

Grade Level	Length	Credit
10-12	Full Year	One

Instructor: J. Frye **Period Offered**
 3 6 7

GENERAL SHOP I

18 weeks of woodworking and 18 weeks of metalworking

This course involves exposure to basic shop processes and manufacturing of a project. hand tools and primary power tools will be covered with an emphasis put on safety.

Metalworking introduces students to oxyacetylene welding, arc, and mig welding. Also covered will be sheet metal fabrication and metal casting. Safety practices and procedures will be emphasized.

Department: Industrial Arts
Course Title: General Shop I Grade 9
Catalog #
 100001
Prerequisite: Grade 9 preferred

Grade Level	Length	Credit
9	Full Year	One

Instructor: J. Frye **Period Offered**
 4

GENERAL SHOP I

18 weeks of woodworking and 18 weeks of metalworking

This course involves exposure to basic shop processes and manufacturing of a project. hand tools and primary power tools will be covered with an emphasis put on safety.

Metalworking introduces students to oxyacetylene welding, arc, and mig welding. Also covered will be sheet metal fabrication and metal casting. Safety practices and procedures will be emphasized.

Shadyside High School

Course Descriptions

<p>Department: Language Arts Course Title: English 9 (required) Catalog # 050221 Prerequisite: None</p> <p style="text-align: center;">Grade Level Length Credit 9 Full Year One</p> <p>Instructor: K. Fleming Period Offered 1 6</p>	<p>This course is designed to introduce students to the structured format of high school classes. Students will divide their time between literature works, writing skills, and independently reading novels. Activities, assignments, and projects of all types, written and artistic, will be aimed to reach all learning types. Students will gain a deeper understanding and appreciation for short stories, poems, novels, and plays. Students will be encouraged to publish their writing and practice word processing on computers. Oral discussions will strongly be encouraged and class presentations and speeches will be included as well. Students will also do grammar work daily throughout the year.</p>
<p>Department: Language Arts Course Title: Honors English 9 Catalog # 059916 Prerequisite: 1. 4.0 average in English 8 2. Summer Reading</p> <p style="text-align: center;">Grade Level Length Credit 9 Full Year 1</p> <p>Instructor: K. Fleming Period Offered 3</p>	<p>Honors English 9 is an accelerated course for students who have excelled in English 8 with an "A" average. Two or three novels will be assigned as summer reading prior to the beginning of the class. Students will be tested on and compose essays for these summer novels at the start of the year. Creative thinking skills will be strengthened through the study of different genres and themes throughout the year. The course will involve literary analysis of short stories and novels, oral communication, poetry, drama, research, vocabulary development, grammar, and creative writing. Journals will also be kept for the class, and projects, both oral and written, will be required.</p>
<p>Department: Language Arts Course Title: English 10 (required) Catalog # 050222 Prerequisite: English 9</p> <p style="text-align: center;">Grade Level Length Credit 10 Full Year One</p> <p>Instructor: M.J. Jepson Period Offered 6 8</p>	<p>This course is divided into two major areas: Communication--One semester will address the life skill of communication. Students will learn the basic communication model, characteristics of a competent communicator, the role of self-esteem as it relates to communication, and the impediments to effective communication. Students will have the opportunity to practice acquired skills in both individual and group communication activities. They will also study usage skills throughout the year through exercises and essay writing. World Literature--Students will examine universal themes present in the writings of authors from a variety of nations and cultures. They will study the connection between culture and literary themes as presented in various genres. Students will continue to develop writing skills by responding to these works and will build vocabulary through reading.</p>
<p>Department: Language Arts Course Title: Honors English 10 *Weighted Course* Catalog # 059999 Prerequisite: 1. Must have "4.0 average in English 9 2. Completion of summer readings</p> <p style="text-align: center;">Grade Level Length Credit 10 Full Year One</p> <p>Instructor: M.J. Jepson Period Offered 3</p>	<p>The course will address various genres of world literature. Students will read and analyze theme characterizations, plot development, complications, conflicts and resolution of conflicts. The literature of writers from various cultures, nations and ethnicities will be studied. Students will develop writing skills by responding to these literary selections. Vocabulary development is addressed through literature and outside reading sources.</p> <p>Oral communication skills are the second major area addressed in this course. Students will learn the basic communication model, and the manner in which it relates to the concept of being an effective communicator. Students will be expected to present a variety of brief speeches during this segment of the course.</p> <p>SUMMER READING IS A REQUIREMENT FOR THIS COURSE. EVALUATION OF SUMMER READING TAKES PLACE UPON RETURN TO SCHOOL IN THE FALL SEMESTER.</p>

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Course Descriptions

<p>Department: Language Arts Course Title: English 11(required) Catalog # 050223 Prerequisite: English 9 and 10</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Grade Level</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Credit</th> </tr> </thead> <tbody> <tr> <td>11</td> <td>Full Year</td> <td>One</td> </tr> </tbody> </table> <p>Instructor: K. Fleming Period Offered 2 8</p>	Grade Level	Length	Credit	11	Full Year	One	<p>This course is designed to provide extensive opportunities for students to develop strong communication skills, particularly in the areas of reading, writing, listening, and viewing. Students will learn to critically evaluate numerous forms of American literature from each of the historical periods. Plays, classic and contemporary novels, pamphlets, biographies, diaries, speeches, poems, and short stories will all be studied, and speeches and presentations will be incorporated into the lessons. Through the writing process, students will practice basic techniques of composing essays and preparing research. Also, preparation for standardized tests such as the ACT and SAT will be covered. Students should be prepared to think, write, and create. Students will do vocabulary work and maintain journals throughout the year.</p>
Grade Level	Length	Credit					
11	Full Year	One					
<p>Department: Language Arts Course Title: Honors English 11 *Weighted Course* Catalog # 059914 Prerequisite:</p> <ol style="list-style-type: none"> 1) "4.0" Average in English 9 &10 2) Recommendation from English 10 teacher 3. Completion of summer readings <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Grade Level</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Credit</th> </tr> </thead> <tbody> <tr> <td>11</td> <td>Full Year</td> <td>One</td> </tr> </tbody> </table> <p>Instructor: M.J. Jepson Period Offered 5</p>	Grade Level	Length	Credit	11	Full Year	One	<p>Designed for the highly skilled junior, Honors English Literature and Composition 11 is a challenging college-level literature and writing course. Vocabulary development and writing skill will be addressed in this course. Students will read, analyze, and write about numerous selections from a number of texts.</p> <p style="text-align: center;">SUMMER READINGS ARE A REQUIREMENT FOR THIS COURSE AND EVALUATION OF THOSE READINGS TAKES PLACE IMMEDIATELY UPON RETURN TO SCHOOL IN THE FALL.</p>
Grade Level	Length	Credit					
11	Full Year	One					
<p>Department: Language Arts Course Title: English 12 (required) Catalog # 050224 Prerequisite: English 9, 10 and 11</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Grade Level</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Credit</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>Full Year</td> <td>One</td> </tr> </tbody> </table> <p>Instructor: M.J. Jepson Period Offered 2 6</p>	Grade Level	Length	Credit	12	Full Year	One	<p>This course will involve the study of various forms of British Literature. Students will read representative works from each historical period and respond to these through critical essays. Additionally, students will examine various study techniques and apply them to their present course of study. Practice college applications and essays will be completed by each student in preparation for their actual application procedures. Students will also continue to develop vocabulary skills through all course activities. Students will also be taught the basic elements of public speaking and will demonstrate a competency in this area by presenting various types of speeches.</p>
Grade Level	Length	Credit					
12	Full Year	One					
<p>Department: Language Arts Course Title: Honors English 12 *Weighted Course* Catalog # 050225 Prerequisite:</p> <ol style="list-style-type: none"> 1. "4.0" average in English 11 2. Completion of summer readings <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Grade Level</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Credit</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>1 Year</td> <td>One</td> </tr> </tbody> </table> <p>Instructor M.J. Jepson Period Offered 1</p>	Grade Level	Length	Credit	12	1 Year	One	<p>This course is designed for college-bound students who are capable of reading, interpreting, and assimilating material at a much faster pace. Students will be expected to respond in both written and oral format. Students selecting this course should understand that the demands of any honors course exceed those of the standard English course.</p> <p style="text-align: center;">SUMMER READING IS A REQUIREMENT OF THIS COURSE, NOT AN OPTION.</p> <p style="text-align: center;">PRIOR APPROVAL OF THE HONORS ENGLISH TEACHER IS REQUIRED FOR ADMITTANCE TO THIS COURSE. A STUDENT MUST HAVE AN AVERAGE IN ENGLISH TO TAKE THIS COURSE.</p>
Grade Level	Length	Credit					
12	1 Year	One					

Shadyside High School

Course Descriptions

<p>Department: Language Arts</p> <p>Course Title: O.G.T. Prep/Intervention</p> <p>Catalog # 050014</p> <p>Prerequisite: None</p>	<p>This course is designed to familiarize students with the Ohio Graduation Test that is a graduation requirement. Students will receive a comprehensive review of all five test areas that include reading , writing, mathematics, science and social studies. Students will be aware of test expectations and complete diagnostic evaluations with remediation focusing on weak areas. Upon completion of the March test, all sophomores will acquire study skills to enhance their classroom abilities. Study Island will be utilized for review as well on-line.</p> <p>Pull out students from period 7 studyhall opposite gym are targeted for OGT prep. Students who have failed any one part are targeted.</p>						
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Grade Level	Length	Credit					
9-11	as per need						
<p>Instructor: K. Fleming</p> <p style="text-align: right;">Period Offered 7</p>							
<p>Department: Mathematics</p> <p>Course Title: Algebra 1</p> <p>Catalog # 110301</p> <p>Prerequisite: It is strongly suggested that any student who has not passed the 8th grade math achievement test NOT take Algebra 1.</p>	<p>The State Standards will be integrated with Algebra concepts. Computation of the real number system using basic properties and solving linear and quadratic equations will be mastered. Addition, subtraction , multiplication and division, along with factoring of polynomials will be emphasized. Study of the coordinate graph system and calculating slopes, along with analysis of data and various problem solving techniques will be covered.</p>						
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9-12	Full Year	One					
<p>Instructors: J. Apicella</p> <p style="text-align: right;">Period Offered 2 3 6 7</p>							
<p>Department: Mathematics</p> <p>Course Title: Algebra 2</p> <p>Catalog # 110302</p> <p>Prerequisite: Geometry, Algebra 1, "C" Average or Above</p>	<p>This is a continuation of Algebra 1. A certain level of mastery is expected. For that reason a C average or better in Algebra 1 is strongly recommended. This course continues with subjects that are begun in first year. Functions and their graphs are studied in depth. You must have Algebra 1 before taking this course. You must have had or must be taking Geometry.</p>						
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Grade Level</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Credit</th> </tr> </thead> <tbody> <tr> <td>10-12</td> <td>Full Year</td> <td>One</td> </tr> </tbody> </table>	Grade Level	Length	Credit	10-12	Full Year	One	
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10-12	Full Year	One					
<p>Instructor: E. Andes</p> <p style="text-align: right;">Period Offered 2 5</p>							
<p>Department: Mathematics</p> <p>Course Title: Calculus</p> <p>Catalog # 110611</p> <p>Prerequisite: Pre-Calculus "C" Average or Above *Weighted Course*</p>	<p>This course takes an in-depth look at the limits of functions. State Standards will be integrated in this course. Differentiation and integration of functions will be covered along with applications dealing with related rates, velocity and extreme values. Graphical and algebraic representation of lines, curves and conic sections will be examined. Analysis of arithmetic and geometric sequence and series will be covered.</p>						
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Grade Level</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Credit</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>Full Year</td> <td>One</td> </tr> </tbody> </table>	Grade Level	Length	Credit	12	Full Year	One	
Grade Level	Length	Credit					
12	Full Year	One					
<p>Instructor: J. Apicella</p> <p style="text-align: right;">Period Offered 5</p>							

Shadyside High School

Course Descriptions

<p>Department: Musical Arts</p> <p>Course Title: Band</p> <p>Catalog # 120500</p> <p>Prerequisite: Ability to play an instrument for marching band.</p>	<p>High School Band is a one year course worth one credit. It is available to students grades 9-12 provided they have a level of musical ability required to play an instrument for marching band. If a student has not been in the middle school program, but has studied a musical instrument via a private instructor, an audition is required with the band director so that the student's proficiency may be determined. A student must participate in marching band and concert band. If a schedule can be worked out between the director, coach or advisor, it is possible for these students to participate in both marching and concert band to receive full credit. It is important to note that summer rehearsals and band camp are requirements for marching band. Cost for band include a musical instrument, summer uniform, marching shoes, band camp, and supplies (reeds, valve oil, lyres, sticks, etc.) Students who are involved in football and cheering may receive one half credit.</p> <p>SPECIAL NOTE: Every effort is made to minimize conflicts between band and extra-curricular activities.</p>						
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Grade Level</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Credit</th> </tr> </thead> <tbody> <tr> <td>9-12</td> <td>Full Year</td> <td>One</td> </tr> </tbody> </table> <p>Instructor: D. Meyer</p> <p style="text-align: right;">Period Offered 8</p>	Grade Level	Length	Credit	9-12	Full Year	One	
Grade Level	Length	Credit					
9-12	Full Year	One					
<p>Department: Physical Education</p> <p>Course Title: Physical Education (9)(required)</p> <p>Catalog # 5001</p> <p>Prerequisite: None</p>	<p>P. E. 9 is a half of a semester class where the students experience various activities five days per week. The main objective in the 9th grade P.E. class is to reinforce team and lifetime sports. Such activities include basketball, whiffleball, two hand touch football, soccer, volleyball, and badminton. The students are expected to know the rules to each of these activities and be able to follow them in competition.</p>						
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Grade Level	Length	Credit					
9	Semester	One Fourth					
<p>Department: Physical Education</p> <p>Course Title: Physical Education/Health (10) (required)</p> <p>Catalog # 8000</p> <p>Prerequisite: None</p>	<p>P.E. 10 is taken two days per week all year long. Team and lifetime sports are reinforced at this level. Such activities include basketball, whiffleball, two hand touch football, soccer, volleyball, and badminton. The students are expected to know the rules to each of these activities and be able to follow them in competition.</p>						
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