

UPPER SCHOOL COURSE GUIDE

9th - 12th

THE ROEPER SCHOOL

rev. 2010

PREFACE

This course guide reflects the faculty' s talents, interests and obligations. Each teacher' s course offerings express his or her sense of what one should learn at this time in our history, in a community with this philosophy. The faculty has made careful judgments about the questions, fascinations, skills and engagements our students need to explore in order to grow into healthy, productive and compassionate citizens, friends and partners.

While parents, colleges and friends may have strong opinions about what you should take, I would offer this reminder. To the extent that you can explore the intellectual, social and emotional worlds that are offered here, and those worlds allow you to discover, create, become and enjoy your uniquely emerging self, while relating positively with others, this school and you will be successful. This is our commitment to each other.

I hope that you will find yourself here, and discover whatever path you need to follow in order to get where you want to go.

Lisa Baker
Upper School Director

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GRADUATION GUIDELINES

Graduation from The Roeper School's Upper School indicates successful completion of four years of well-rounded high school experience. The Upper School faculty expects students to be engaged in a full-time program that draws upon the breadth and depth of their intellectual interests. Only two specific courses are required of all Upper School students, every day Health (in 9th or 10th grade) and American Government, which are mandated by the State of Michigan.

All students must take the equivalent of six full courses each semester. The student's parent(s), homeroom advisor, and the Upper School Director must approve any exceptions.

The Upper School Director reviews each student's progress. When questions arise as to whether a student is on-track to graduate, they identify what steps need to be taken to rectify the situation and formally notify the student and his/her parents.

The following program of study is strongly recommended because it is designed to meet all entrance requirements for public four-year universities in Michigan, as well as those of most other institutions of higher learning.

AREA OF STUDY	RECOMMENDATION
English	Four years - covering literature, composition, standard language usage, essay/theme writing, and presentation of a research paper
Mathematics	Proficiency through Algebra II, with one year of further study in Pre-calculus or Statistics strongly recommended
Science	Two years (one Biology, one Chemistry or Physics) with a third strongly recommended
Social Studies	Three years - including U.S. and World History, as well as American Government
Foreign Language	Proficiency through third year of the language
Computer	One year strongly recommended
Fine Arts	Two to four years strongly recommended in Performing and/or Fine Arts
Physical Education	One or two years strongly recommended in course work or team sports
Health	One semester

Community Service Community Service may be recorded on the student's transcript and should be considered an integral part of the Roeper experience. Students may obtain forms through homeroom advisors or the Student Life Coordinator. Advanced Placement courses are offered in many areas. A student taking an AP course is eligible to take the College Board Advanced Placement Test in May. Scoring well may earn students college credit at the discretion of the college or university they attend.

ENGLISH

Recommended course sequence in English:

GRADE	COURSE
9	<i>Western Literature</i>
10	<i>American Literature</i> , electives
11	Select from Advanced Topics courses, electives
12	<i>AP English</i> , Advanced Topics courses, <i>Senior Thesis</i>

COURSE NAME: WESTERN LITERATURE: ENG0110

SEMESTER: Full-year course

PREREQUISITE: Recommended for all Grade 9 students

Western Literature explores a series of texts that Western Civilization has historically pointed to as its defining literary monuments. In addition to Biblical excerpts, this class includes, among other works, ancient epic (*Iliad* and/or *Odyssey*), Greek tragedy, and the works of Dante, Chaucer and Shakespeare. Students develop reading, writing and discussion skills.

COURSE NAME: AMERICAN LITERATURE: ENG0104

SEMESTER: Full-year course

PREREQUISITE: Recommended for all Grade 10 students

Throughout the coming year, as we read the works of major American authors of the 19th and 20th centuries, we will want to place them in their historical and cultural contexts, while examining their lasting thematic and stylistic achievements. Also, we' ll use supplementary texts, both literary and critical, as tools to help us read more deeply – and to connect us to the relevant developments in other cultures and historical periods. One of our goals is to understand as much about these exciting, seminal works as we can. At the same time, we want to help each student make real progress in his or her ability to discuss (orally and in writing) whichever texts we choose to investigate. The authors in our reading list are a kind of all-star line-up of American originals, the masterful heavy hitters and blazing visionary aces who made it possible for the United States to lay claim to a literature of its own. Our country was just 50 years old when Edgar Allan Poe, the first author we' ll read, began his studies at the University of Virginia and soon afterwards began producing some of the wildest, most imaginative stories and poems that the modern world has known. Some of the works we' ll read in this class were popular successes when they were first published, while others were objects of controversy or scandal. But they raised issues, told stories, and created images that have continued to move and inspire us, right up until today.

COURSE NAME: ADVANCED TOPICS: AFRICAN-AMERICAN LITERATURE: ENG0103

SEMESTER: One-semester course

PREREQUISITE: Grades 11 – 12 or permission of instructor

This course will focus on the 20th Century production of plays, poetry and fiction by African - American writers from the Harlem Renaissance to the present. The reading emphasis will be on novels, poetry and Blues music. Requirements may include creative and critical responses to assigned readings, participation in class discussion, and a final exam.

COURSE NAME: ADVANCED TOPICS: MODERN LITERATURE: ENG0111

SEMESTER: One-semester course

PREREQUISITE: Grades 11 – 12 or permission of instructor

Students in Modern Literature read six novels from the end of the Nineteenth Century to the middle of the Twentieth Century. This class examines literary and historical modernism, as well as various authors' approaches to developing systems of value and modes of living in the modern world. In addition to the cultural context of modernism, students also work with the literary techniques of this period, including narration, time and totality. Students complete several papers and take a final exam.

COURSE NAME: **ADVANCED TOPICS: SATIRE: ENG 0106**

SEMESTER: One-semester course

PREREQUISITE: Grades 11 – 12 or permission of instructor

Check all reverence and earnestness at the door, and prepare to mock, parody, and ridicule until the sacred cows come home. Unwholesome fun for the whole family. Required equipment: lampoon, self-serving sense of humor, and a pen mightier than the sword. Works range from Pope' s and Swift' s 18th century masterpieces to the post-modern novels of Pynchon and DeLillo. Students complete several papers and take a final exam.

COURSE NAME: **ADVANCED TOPICS: SCIENCE FICTION: ENG0107**

SEMESTER: One-semester course

PREREQUISITE: None

A general introduction to science fiction, this course explores and analyzes the imaginative and alternative societies endemic to this thought-provoking branch of literature.

COURSE NAME: **ADVANCED TOPICS: SHAKESPEARE: ENG0108**

SEMESTER: One-semester course

PREREQUISITE: Grades 11 – 12 or permission of instructor

This survey course includes work with the sonnets, comedies, tragedies and histories. The class reads closely and discusses carefully issues of genre, language, theme and the cultural status of Shakespeare's art. Several papers, a midterm exam and a final exam are required. This class is a prerequisite for A.P. English.

COURSE NAME: **ADVANCED TOPICS: THE SHORT STORY: ENG0109**

SEMESTER: One-semester course

PREREQUISITE: Grades 11 – 12 or permission of instructor

This course focuses on close interpretative reading, a skill the students develop as they read and develop responses to a range of short stories. Regular note-taking and several papers are required.

COURSE NAME: **ADVANCED TOPICS: STUDIES IN THE NOVEL**

SEMESTER: One-semester course

PREREQUISITE: Grades 11 – 12 or permission of instructor

Students spend a whole semester reading an epic length novel, such as Joyce's *Ulysses*, Melville's *Moby Dick*, or two or three long works by Henry James. You may never have another chance. Written work includes several short analyses, a final paper and a final exam.

COURSE NAME: **ADVANCED TOPICS: WOMEN'S LITERATURE**

SEMESTER: One-semester course

PREREQUISITE: Grades 11 – 12 or permission of instructor

Students in this course read a number of stories, novels and poems written by major women authors from the Nineteenth and Twentieth Centuries. Of particular interest is autobiographical fiction, especially as it represents the development of the writer's voice.

COURSE NAME: **ADVANCED PLACEMENT ENGLISH: ENG0105**

SEMESTER: Full-year course

PREREQUISITE: Grade 12, permission of instructor, and Shakespeare

An advanced-level course in literary analysis and critical writing, AP English focuses on the means by which style makes meaning in fiction, drama and poetry. Students perfect skills of discussion, close reading and supported analysis, develop a sophisticated critical vocabulary, and prepare for the AP Literature exam. Students need to be self-motivated and prepared for extensive and intensive reading and writing. This class is also suitable for advanced students not planning to take the AP exam.

COURSE NAME: FILM: THEORY & ANALYSIS: ENG0114

SEMESTER: One-semester course, 2 blocks, every-other-day

PREREQUISITE: Grades 11 – 12 or permission of instructor

In the first years of the 20th century, film producers began supplying the world with visual narratives that completely fascinated the popular imagination. During the succeeding decades, cinema and television stimulated a form of visual literacy that has grown into a “second nature” for most viewers. Our class will study the psychological, social and aesthetic interrelationships of the resulting ideology of the spectacle. Basing our discussion on Jacques Lacan’s definition of the three registers of human experience (the Imaginary, the Symbolic and the Real), we’ll view, review and analyze significant examples from the history of film, with an eye towards understanding the way movies generate meaning, narrative form, and whole range of diegetic universes.

COURSE NAME: CREATIVE WRITING:ENG0115

SEMESTER: One-semester course, every-other day

One of our goals in this class is to transform our room into a writers’ studio where students can work on a variety of semester-long projects. Most class members will put together manuscript collecting of poems and/or prose pieces, while others will work towards an end-of-semester installation/exhibition of their work in the 2nd-floor English hallway. Another of our goals is to increase student self-confidence when it comes to imaginative writing – to give each writer a sense of conceptual focus while developing a project from start to finish, and the ability to recognize what works and what doesn’t when reworking a particular text or series.

COURSE NAME: EXPOSITORY WRITING: ENG0113

SEMESTER: One-semester course, every day

PREREQUISITE: Grades 11-12 or permission of instructor

In this course, students will focus on essay writing, with particular emphasis on improving vocabulary, and strengthening persuasive, grammatical, mechanical, and syntactical skills. In addition, students will become familiar with different styles of writing and rhetoric and make strides in cultivating their own voice.

COURSE NAME: POETRY: ENG0125

SEMESTER: One-semester course, every day

PREREQUISITE: Grades 10, 11, 12

In this course, students discover and develop close knowledge of critical poets and their work, from the Metaphysical poets to the Romantics to the Victorians to the Moderns and beyond. Students will gain the vocabulary, skills and practice to discuss and write about poetry in an analytical way. We examine the cultural, historical, and social contexts in which poets write, as well as trace major literary themes and ideas through different eras. Students complete regular explications, write several papers, and complete an in-depth final project on a poet of their choosing.

COURSE NAME: RUSSIAN NOVELISTS: ENG0118

SEMESTER: One-semester course, every day

PREREQUISITE: Grades 10, 11, 12

Students in Russian Novelists read six novels from the mid-nineteenth century to the late twentieth century, including works by Turgenev, Gogol, Doestoevsky, Tolstoy, and Solzhenitsyn. The class examines historical and political events in Russia as they influence our literature, as well as the ways authors in different time periods explore similar themes. Students write several in-class essays and complete a final exam.

COURSE NAME: MICHIGAN LITERATURE: ENG0127

SEMESTER: One-semester course, every day

PREREQUISITE: Grades 10,11,12

Frequently, both in English classes and in our own lives, we spend a lot of time considering distant places. We often don’t realize that our own surroundings are full of history, drama, dreams, and possibilities—but in this class, we study poets, novelists, essayists, screenwriters, and playwrights who have used Michigan as the setting for their work. We critically examine how Detroit, "Up North," and other Michigan settings function in literature, and by doing so, study those areas and our places in them. Class staples include Jeffrey Eugenides, Ernest Hemingway, and Ignatia Broker.

COURSE NAME **LITERARY THEORY: ENG0128**

SEMESTER: One-semester course, every day

“ It is the theory that decides what we can observe” Albert Einstein.

In search of answers to questions such as, “ What is the function of literature?” “ Who is the reader?” “ What is the nature of the subject?” “ Why is everyone named *Jaqes*?” “ What is the relation of the author to the text?” “ What is representation?” “ Can *logocentrism* rescue me from writing papers?” “ Where does Roper keep its meta-narrative?” “ Is Commodity Fetishism anything like fashion design?” “ What do women want?” “ Where is meaning?” “ What do you mean that I’ m not outside the text?” “ How is *Cixous* pronounced?” “ What is the Other?” “ Is Deconstruction a civil or a criminal offense?” the students of Literary Theory and their teacher will first steady themselves with a bit of Plato and Aristotle. Thus fortified, they will venture into the thickets, onto the savannahs, and over the rainbows of Structuralism, Poststructuralism, Psychoanalysis, Feminism, Marxism, Postcolonial Theory. When they return, after some fifteen or sixteen weeks, it will not be empty-handed. Mummified in reading notes, the plucky crew will be clutching their tests (2) and critical essays (3), flushed with victory over *Difference* and *Difference*, Batman’ s latest nemeses.

COMMUNICATIONS

COURSE NAME: SPEECH COMMUNICATION: COM0109

SEMESTER: One semester course

This introductory course is designed to help students increase effectiveness in public speaking. Principles of communication and public speaking strategies will be introduced, discussed, and practiced. Assigned work will include short speeches, such as the congratulatory toast or a speaker introduction, and lengthier challenges, such as the oratory or informative speech. The goal of the course is to allow each student the opportunity to learn the basics of public speaking experience – preparation to presentation – and to gain the confidence, skill and fluency that comes with practice and critique. (Note: Students will have much freedom in selection of speech topics.)

COURSE NAME: DEBATE COM0103

SEMESTER: One-semester course, every other day

Learn the art of formal debate! Win arguments with your teachers and parents! Take on issues like capital punishment, abortion, assisted suicide and civil disobedience, and then test your debate-ability in competitions against other high school students from around the state and - if you make it to Nationals - from around the country.

COURSE NAME: JOURNALISM: COM0105

SEMESTER: One-semester course, every day

PREREQUISITE: Staff members of the Upper School newspaper – Tuna Talk – will learn to write news, features, editorials and entertainment pieces, while veteran reporters will perfect the skills gained during prior semesters. All will grow more adept at conducting background research, selecting sources, interviewing and accurately recording quotes, writing objective articles and learning the importance of meeting deadlines.

COURSE NAME: FORENSICS: COM0104

SEMESTER: One-semester course, every other day

This course examines communication of thought through several vehicles. Students learn the theories and practices of oral interpretation and public speaking through competitive speech activities. Saturday invitational tournament participation is an important part of Forensics. Students also compete in the State Elimination Tournament under the direction of the Michigan Interscholastic Forensic Association. All students meet individually with the instructor to determine an appropriate, meaningful tournament and class participation schedule for the semester.

COURSE NAME: YEARBOOK: COM0107

SEMESTER: Full-year course, every-other day

This class explores practices and concepts that are present in yearbook journalism. Staff members work in the areas of copy writing, layout, photography and artistic design, and produce, as a team, the annual yearbook. All staff members are expected to solicit advertising to balance the yearbook budget. Yearbook meets as a class three days per cycle; staff members put in extra hours as needed to meet deadline requirements. A background in photography, journalism and computer is strongly recommended.

MATHEMATICS

COURSE NAME: ALGEBRA I: MTH0106

SEMESTER: Full-year course, every day

PREREQUISITE: Pre-Algebra (B- or better) and departmental approval

This course integrates and makes connections to other disciplines, incorporating the use of basic geometry, statistics and probability. Students will see how each mathematical idea fits into a larger context. They will learn to read and understand mathematics on their own, and to express this understanding both orally and in writing. Students learn to solve linear equations and inequalities, write equations of lines, solve systems of equations, and solve quadratic equations by several methods. They get an introduction to radical and rational expressions. Graphing is emphasized throughout the course, and the use of graphing calculators is integrated throughout.

COURSE NAME: SUPPORT FOR ALGEBRA I: MTH0114

SEMESTER: Full-year course, every other day

PREREQUISITE: Concurrent with Algebra I by recommendation of instructor

This course gives students the opportunity to get extra help along the way through Algebra I. This class meets every other day and students are guided in reviewing recent topics and previewing upcoming topics. Some opportunity is given to do corrections but not homework; this is not a study hall.

COURSE NAME: GEOMETRY: MTH0102

SEMESTER: Full-year course, every day

PREREQUISITE: Algebra I (B- or better)

This course in Euclidean Geometry allows the students to develop logical deductive thinking skills, to understand how a mathematical system is developed, and to become familiar with geometric concepts and spatial relationships in both two and three dimensions. Inductive and deductive reasoning skills are developed throughout the year. Investigative methods are used with increasing emphasis on proof over the course of the school year. Students study geometric construction, triangles, polygons, circles, area, volume, Pythagorean Theorem, similarity and basic trigonometry. The software package, *The Geometers' Sketchpad*, is currently being used to complement the text.

COURSE NAME: ALGEBRA 2: MTH0107

SEMESTER: Full-year course, every day

PREREQUISITE: Algebra I (B- or better)

Functions are the fundamental object of study in advanced mathematics. One of the principal objectives of this course is to put this essential notion on a solid footing. Students will examine the notion of functions in general and then study other topics through the prism of this idea. This will allow polynomial functions, radical functions, exponential functions, logarithmic functions and other functions to be seen as interrelated concepts. In addition to dealing with the concept of functions, this course will address several other major ideas. Students will also see how to solve various groups or systems of equations. They will delve into the historical development of algebra as a system of thought. Finally, through the use of graphing calculators, this course will show students how to deal with mathematical concepts from analytical, numerical and graphical points of view.

COURSE NAME: PRECALCULUS: MTH0113

SEMESTER: Full-year course, every day

PREREQUISITE: Algebra II (B or better), OR Algebra II (B- with teacher permission)

Pre-Calculus is a rigorous mathematics course that extends the concepts learned in Algebra II and adds new concepts, primarily trigonometry and discrete mathematics, with the intent of building a bridge to calculus courses. Students will cover topics that include trigonometric functions, polar coordinates, vectors, logarithms, sequences and series, probability, and as time permits proofs, fractals, and graph theory. The primary goal of Pre-Calculus is to learn analytical and problem-solving skills by using algebraic, graphical, and numerical techniques, thus developing the necessary foundation for success in calculus.

COURSE NAME: COLLEGE ALGEBRA & INTRODUCTORY STATISTICS: MTH 0117

SEMESTER: Full-year course, every day

PREREQUISITE: Algebra II (C- or better)

This course is offered as an option for the student who has finished Algebra II but is not ready to move on to PreCalculus. Algebra topics will be thoroughly reviewed and a strong foundation for PreCalculus will be built. Some PreCalculus topics will be introduced at a moderate pace. Introductory statistics topics will also be covered. Students who have successfully completed this course will be prepared to take PreCalculus or Advanced Statistics the following year.

COURSE NAME: ADVANCED STATISTICS; MTH0109

SEMESTER: Full-year course, every day

PREREQUISITE: Algebra II (B or better)

Statistics deals with the collection, analysis, interpretation and presentation of masses of numerical data. The first semester covers basic information on organizing data, measures of center and spread, basic probability, and binomial and normal distributions. The second semester builds on this foundation and looks into more advanced statistical methods for evaluating data. Some of the broad topics covered are sampling distributions, estimation, hypothesis testing, regression and correlation. The use of graphing calculators and statistical software will be an integral part of the course. This class can be taken concurrently with PreCalculus or Calculus.

NOTE: Students are encouraged to take the AP Statistics Exam upon completion of this course.

COURSE NAME: ADVANCED PLACEMENT CALCULUS AB:MTH0111

SEMESTER: Full-year course, every day

PREREQUISITE: Precalculus (B or better) or permission of instructor

Calculus is one of the crowning achievements of the human intellect and the prism through which nearly all of mathematics is now seen. The reason it is so comprehensive is that it deals with the fundamental notion of change. Through calculus, functions are no longer static objects on a graph, but rather dynamic representations of change. With this said, it is amazing to discover that calculus, at its heart, deals with two questions: (1) What is the slope of the tangent to a curve at a particular point?, and (2) What is the area under a particular curve between two endpoints? Nearly all topics students will study this year will be related to one of these two questions. What a tangled web we weave! This class is first and foremost about learning calculus. However, in addition, students will also prepare for the Advanced Placement Calculus (AB) Exam. Finally, students should be prepared for approximately one hour of homework per night.

COURSE NAME: ADVANCED PLACEMENT CALCULUS BC: MTH0112

SEMESTER: Full-year course, every day

PREREQUISITE: Algebra II (C- or better)

The purpose of this course is to complete the study of single variable calculus and point the way to further exploration. The course will begin with a thorough and challenging review of introductory calculus. This will be followed with a demonstration that every infinitely differentiable function can be expressed as an infinite polynomial function. Finally, the course will explore the calculus of polar, parametric, vector, and (briefly) multi-variable functions. Students will also be prepared for the Advanced Placement Calculus (BC) Exam.

Upper School Math Electives (Not all electives run every year):

COURSE NAME: CRYPTOLOGY/NUMBER THEORY: MTH0206

SEMESTER: One semester, every other day

PREREQUISITE: Algebra II

Cryptology is the practice and study of hiding information. This class will use the problems of making and breaking codes as motivation to learning the many basics of number theory. Students will start by studying simple shift codes and end the course by looking at public-key cryptology. Along the way, students will study number theory concepts including the Euclidean Algorithm, congruences, factorizations, and modular arithmetic. The properties of prime numbers and divisibility are central to this course.

COURSE NAME: GRAPH THEORY: MTH0207

SEMESTER: One semester, every other day

PREREQUISITE: Geometry

Have you ever wondered how MapQuest can find the shortest distance between two cities? Or maybe you've heard of the Königsberg Bridge Problem, and want to learn more. These and many other topics fall under a branch of math known as graph theory – or the study of graphs. Before you thinking “ boring, I hate graphing” these aren't your typical graphs of functions, but instead a bunch of edges and vertices. In this course students will study paths and cycles, colouring, spanning trees, shortest paths, and applications such as the TSP, scheduling, and the game Instant Insanity.

COURSE NAME: PERSONAL FINANCE: MTH0204

SEMESTER: One semester, every other day

PREREQUISITE: Algebra I

Personal Finance is an important aspect of everyday life outside of school. The goal of this class is to inform students how their individual choices can influence their goals and earnings. This course will focus on real life applications such as income, money management, spending and credit, savings and investing. Much of this course will be project based, where students will learn financial information by creating their own budgets, evaluating different savings options, among other projects and activities.

COURSE NAME: THE MATHEMATICS OF GAMES; MTH0205

SEMESTER: One semester, every other day

PREREQUISITE: Algebra I (B or better)

Not all games are decided by chance. When you play checkers, chess or Go, you have complete information about the status of the game. Winning games such as these hinges more on strategy than on luck. In this course, we will study some of the important and beautiful “ elementary” mathematics needed for rational analysis of various games. We will play games and read about how math is used to describe and find winning strategies. Topics covered will include permutations and combinations, probability, combinatorial games, elementary game theory, and others as time permits. Ready to be stumped? Ready to play? Game on!

SCIENCE

COURSE NAME: INTRO BIOLOGY: SCI0300

SEMESTER: Full-year course

PREREQUISITE: Ability to reason abstractly, Complete Science 8 in good standing

This is a survey course covering ecology, cell biology, Mendelian genetics, and molecular genetics during the first semester. The second semester covers evolution, a survey of the diversity of living organisms and human body systems. The class includes a large laboratory component which focuses on developing a students' ability to generate hypothesis, design laboratories, and critically analyze data.

COURSE NAME: INTRODUCTION TO BIOETHICS: SCI0303

SEMESTER: One semester course, every other day

PREREQUISITE: Introductory Biology

The purpose of this course is to introduce students to several topics in bioethics, the study of moral issues concerning life. With the rapid advances that are occurring in many areas of biology today, debates over bioethical issues are numerous and pressing. As a society we must make the best decisions possible, and this is done only by informed and thoughtful consideration. Students are encouraged to develop critical thinking skills that allow them to comprehend, evaluate and make decisions when confronted by conflicting opinions and points of view. Topics covered are chosen from areas of medical ethics, research ethics and the ethics of genetic technologies.

COURSE NAME: INTRODUCTION TO EVOLUTION

SEMESTER: One semester, every other day

PREREQUISITE: Biology I, Algebra I

Evolution is the process by which natural selection causes evolutionary change. This course concentrates on the history of the theory, evidence for evolution, molecular evolution, and human and organic evolution.

COURSE NAME: ADVANCED PLACEMENT BIOLOGY: SCI0301

SEMESTER: Full-year course, 1 and ½ Blocks

PREREQUISITE: Full year of Intro Biology and full year of Intro Chemistry

This course is designed to build on the biological principles that students learned in Introductory Biology. Although we cover all of the same topics, we go into greater depth and explore more current research. Though we spend a lot of time in lecture, there are many student presentations and activities to reinforce learning. There is also a large laboratory component to the course and we will conduct labs that require students to use their knowledge to analyze data. At the end of the course students should be well prepared to take the AP Biology exam if they wish. The last unit will be entirely directed by student interest.

COURSE NAME: INTRO CHEMISTRY: SCI0400

SEMESTER: Full-year course

COREQUISITE: Algebra II or consent of instructor

The study of matter - its structure, interactions and technology - constitutes the body of material in this course designed to equip students to understand the chemical processes that make up the world around them. Science method and logical inductive reasoning are integral parts of the course; an inquiry approach is often incorporated into the many laboratory exercises. Various written assignments include a major library research paper in the Spring semester.

COURSE NAME: ADVANCED CHEMISTRY: SCI0401

SEMESTER: Full-year course, 1 and ½ Blocks

PREREQUISITE: Introduction to Chemistry

This college-level course takes the serious chemistry student deeper into the material and concepts studied in first-year chemistry. Much of the focus is on the mathematical and analytical components of the concepts. Students gain more facility in higher-level problem solving. Experimentation is designed for the student to develop independence and skill in the laboratory, and includes all labs required by the Advanced Placement Board for the AP Exam in Chemistry. A minimum of 6 – 8 hours per week of homework time is necessary for successful completion of this course. Evaluation is based on lab reports/results, in-class and take-home exams, and a final exam in the spring semester that is based on AP essay questions. Many students elect to take the AP Chemistry exam upon completion of the course.

COURSE NAME: CONCEPTS IN PHYSICS: SCI0501

SEMESTER: Full-year course

COREQUISITE: Algebra I

This course introduces the essential physical principles that explain how objects interact with each other. Topics include mechanics, sound, light, electricity and magnetism. Simple algebra will be used to help understand the relationships between variables. The concepts in this area are introduced with appropriate demonstrations and laboratory experiments so that the student will be able to apply the concepts to everyday experiences, which are emphasized in this course. This course should be taken by students who are *not* going to study higher levels of mathematics, but are still interested in broadening their appreciation of science as it relates to the world around them.

COURSE NAME: INTRODUCTION TO PHYSICS: SCI0500

SEMESTER: Full-year course

PREREQUISITE: Algebra II

This fast-paced course should provide students with a good conceptual as well as mathematical understanding of some of the fundamental principles of physics including: mechanics, wave mechanics, electricity and magnetism. An emphasis will be placed on problem-solving methods. The course will use demonstrations and labs to more fully understand the concepts presented. The student who should consider this course is one who is more math and science oriented, as evidenced by the higher level science and math classes taken.

COURSE NAME: ADVANCED PLACEMENT PHYSICS: SCI0502

SEMESTER: Full-year course, 2 Blocks

COREQUISITE: Calculus

PREREQUISITE: Introductory Physics or consent of instructor

This course prepares the student to take the AP Physics (C) Exam covering mechanics and electricity/magnetism at a calculus level. There is an emphasis on sophisticated multi-step problem solving using algebra, trigonometry and calculus. Topics covered include: kinematics, dynamics, momentum, work-energy, rotational motion, gravitation and simple harmonic motion, statics, current, and electromagnetism. Appropriate demonstrations and laboratory experiences are included along with the traditional emphasis on problem solving.

COURSE NAME: EINSTEIN' S UNIVERSE: SCI0600

SEMESTER: One year course, every other day

PREREQUISITE: Intro to Chemistry and Algebra 2

Physics is one of the most basic of all of the physical sciences. Einstein revolutionized physics in the 20th century by unlocking the mysteries of the universe. Since then we have concentrated on refining his tremendous insight into how the universe works. This course covers topics in relativity, nuclear physics and quantum physics, and how to use this information to understand the dynamic universe in which we live.

COURSE NAME: FORENSIC SCIENCE: SCI0205

SEMESTER: One semester course, every other day

PREREQUISITE: Successful completion of Intro Biology and Intro Chemistry

Forensic Science is a one-semester course in which students learn to apply concepts learned in biology, chemistry, math, and physics to the area of crime scene investigation. This course has a strong emphasis on laboratory work, inquiry, problem solving and logic. Teamwork is vital to success in this course; each assessment requires thorough investigative work by a group, and each team member must contribute to the activity. The specific topics for the course are tailored to student interest, but they may include any of the following; crime scene procedures, fingerprinting, blood serology, DNA, toxicology, forgery, handwriting analysis, accident reconstruction, hair and Fiber analysis, entomology, and the legal structure for scientific evidence. The final exam is an analysis of a culminating crime scene where students apply the skills attained throughout the semester.

COURSE NAME: ORGANIC CHEMISTRY: SCI0403

SEMESTER: One year course, every other day

PREREQUISITE: Successful completion of Intro Chemistry

Organic Chemistry focuses on the structure and reactivity of molecules that contain the element carbon. Billions of such molecules exist, so this course focuses on classification of compounds by their functional group(s). Emphasis is placed on nomenclature, physical properties and trends in reactivity. Laboratory investigations enable the student to synthesize, isolate, purify and analyze various compounds from each important functional group. The focus of this class is on the applications of pertinent organic molecules to everyday life as well as to help prepare students who might take a similar class later in their academic careers.

COURSE NAME: ADVANCED ENVIRONMENTAL SCIENCE: SCI0304

SEMESTER: One semester course, every other day

PREREQUISITE: Successful completion of Introduction to Biology

This course is designed to be an introductory college course in environmental science that includes a laboratory and field investigation component. Emphasis is placed on the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving and/or preventing them.

COURSE NAME: SCIENCE OF FOOD AND COOKING: SCI0307

SEMESTER: One semester course, every other day

PREREQUISITE: Successful completion of Introduction to Biology and Introduction to Chemistry

This course will focus on the chemical, biological and physical processes involved in food preparation. Concepts include the chemical properties of carbohydrates, lipids and proteins and how their properties change in common culinary techniques. Students will learn both preparation techniques and how the techniques alter the food on the molecular level. Nutrition and nutrient acquisition will also be discussed.

COURSE NAME: HUMAN ANATOMY

SEMESTER: One semester course

PREREQUISITE: Successful completion of Introduction to Biology

Human Anatomy is an introductory course. General topics, specific human anatomical traits and physiological processes are discussed over the course of one semester. Topics discussed include: cells, cellular metabolism, tissues, integumentary system, skeletal system, joints, muscular system, nervous system, somatic and special senses. Laboratory activities will involve the following: identification of human cranial and skeletal bones and their anatomical characteristics, histology and microscopic cell identification of the epithelial, connective, muscle and nerve tissues, and cat dissection to expose and learn the muscular, vascular and organ systems.

COURSE NAME: FACIAL RECONSTRUCTION

SEMESTER: One semester course

PREREQUISITE: Successful completion of Introduction to Biology

Facial Reconstruction is a class where students reconstruct the face on a replica of a human skull. Students begin the task by learning all of the anatomic structures on the exterior and interior of the human skull. Students evaluate osteometric measurements of the bony skull parts and classify a skull's gender (male or female) and race (Caucasoid, Negroid or Mongoloid). Following the race classification the students create and place tissue point markers on the skull that indicate tissue depth. The students then roll out pieces of clay and connect them according to the tissue points, a lattice network is formed. The students place the eyes then create the remainder of the face using the optical index to make sure the skull remains symmetrical. In addition, because dental records are used as the primary means of identification the students are taught dental terminology, tooth anatomy, and dental charting techniques. Students learn how to read and evaluate dental x-rays for radiographic landmarks and anomalies. The finished skull is evaluated according to the Tissue Points and Landmark Rubric and is judged by the class and myself.

COURSE NAME: MICROBIOLOGY

SEMESTER: One semester course

PREREQUISITE: B+ or higher in Advanced Biology, or teacher consent

Microbiology is a college level class that emphasizes microorganisms and their effect on the human body and the environment. General topics, bacteriological principles, specific microbial populations and pathogenic organisms associated with infectious diseases are discussed. This is a lab intensive class. Students will spend the first nine weeks performing thirty labs and writing lab reports. Following this each student will receive two unknown microorganisms. They will perform the microbiological tests previously learned to determine the genus and species of each. This class will teach students how to critically think and problem solve. Recommended for student' s interested in pre-med, pre-dental, pre-vet, nursing and medical lab technician.

SOCIAL STUDIES

Recommended course sequence in Social Studies:

GRADE	COURSE
9	U.S. History
10	20 th Century History
11 – 12	Electives
12	American Government / Electives

COURSE NAME: U.S. HISTORY (1450-1920): SOC0103

SEMESTER: Full-year course

COREQUISITE: Grade 9

This college-preparatory course is a survey of U.S. History from colonization to the present. As a result, not every topic or theme will be covered in tremendous detail; instead, the course will focus on examining and discussing themes, issues and events of special import and interest as deemed appropriate by the instructor. First and foremost, the course is designed to (1) provide the student with the analytical skills and factual knowledge necessary to deal critically with United States History and (2) prepare the student for college courses in American History. Students will learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance – and to weigh the evidence and interpretations presented in historical scholarship. Students will develop skills necessary to arrive at conclusions on the basis of informed judgment and to present reasons and evidence clearly and persuasively orally and in writing. In the spring semester, students are required to research and write a thesis-based paper on some topic in U.S. History. The Social-Studies Department views U.S. History as a necessary prerequisite for taking any higher-level history classes. This is for all intents and purposes a requirement for freshman.

COURSE NAME: 20TH CENTURY HISTORY: SOC0104

SEMESTER: Full-year course

COREQUISITE: Grade 10

This survey of world history focuses on political history and also addresses economic, military and social topics. Its major themes are nationalism, communism, the Cold War, economic development, and decolonization. The organization is chronological and regional. Lectures constitute the core of the course but extensive use is also made of historical videos, class discussions, and the reading of historical documents. Students compose several brief papers that emphasize the close reading and analysis of primary sources. This class is considered a pre-requisite to upper level social studies courses.

COURSE NAME: ADVANCED PLACEMENT EUROPEAN HISTORY: SOC0201

SEMESTER: Full-year course, offered in most years

COREQUISITE: Grades 11 – 12

This course considers a variety of major themes: intellectual and cultural history, political and diplomatic history, and social and economic history in Western History from the Renaissance to the post-Cold War era. The fall semester covers Europe from the Fourteenth Century to the Napoleonic Wars. The spring semester covers material from the early Nineteenth Century to the present. Students taking the AP test will meet for an additional seminar during the second semester.

COURSE NAME: AMERICAN GOVERNMENT: SOC0105

SEMESTER: One semester

COREQUISITE: Grade 11 or 12 with preference to seniors

This course studies the history, structure and working of American government on the national level. Structure of the federal government is emphasized, but the daily controversies and agenda of all areas of government are explored on an ongoing basis. The course has regular quizzes, four in-class tests and projects, a government practical, a final research paper, and a final class presentation.

COURSE NAME: ADVANCED PLACEMENT COMPARATIVE GOVERNMENT: SOC 0218

SEMESTER: One semester, offered in alternate Spring semesters, odd # years

COREQUISITE: Grade 11 or 12

This class studies the political systems of Great Britain, Russia, Nigeria, Iran, China and Mexico. The course covers theoretical structure of these governments and how they actually operate to meet the demands of the interests and cultures they serve. This class helps prepare students to take the AP Exam in Comparative Government in May. Students taking the AP test will meet for an additional seminar during the second semester.

COURSE NAME: THE CIVIL WAR AND RECONSTRUCTION: SOC02000

SEMESTER: One-semester course

This is a seminar course that deals with traditional and non-traditional historical questions about the Antebellum period, the Civil War and Reconstruction. Questions like: was the war inevitable?, who freed the slaves?, was reconstruction a failure? etc. Most of our study will come from the examination of primary sources and the critic of secondary scholarship. While there is no required "textbook" there are several required texts including Eric Foner's *A Short History of Reconstruction*. Students will be asked to complete nightly reading assignments, participate in class discussions, submit a term paper, and complete the midterm and final exams. *Prerequisites: completion of U.S. History, 10th graders must receive instructor approval.* (This course is offered in odd years and is intended to be taken after Jacksonian Democracy.)

COURSE NAME: ECONOMICS: SOC0204

SEMESTER: Full-year course

COREQUISITE: Grade 11 or 12

This course provides an overview of how the U.S. economy works, and introduces the basic tools of economics as an academic discipline. Regarding the former, students study the role of the U.S. government in our economy, major economic institutions and learn the basics of investing. Economic concepts such as opportunity cost, marginal analysis, and elasticity, as well as work with graphs and curves are the subjects of the second aspect of the class. Teaching methods include lectures, graph exercises, word problems, and simulations.

COURSE NAME: GLOBAL ISSUES: SOC0217

SEMESTER: One-semester course

This course covers a variety of issues (political, economic, social, and environmental) which affect people throughout the world. The emphasis of the course is to allow students to analyze issues that transcend national borders, but, because of their scope, defy easy solutions. Later in the course students may choose to concentrate on a specific region or issue for in-depth study.

COURSE NAME: MODEL U.N.: EXTRACURRICULAR

SEMESTER: Spring

Students meet occasionally to discuss current topics of world concern, form delegations and research countries they wish to represent. All students attend the SEMMUNA conference and the Great Lakes Invitational Model United Nations, with final conferences selected or the University of Chicago conference. Other conferences, for more/less-experienced delegates, are attended by invitation.

COURSE NAME: RUSSIAN HISTORY SINCE 1800: SOC0216

SEMESTER: One-semester course

Discussions and lectures play equally important roles in this survey of Russia from the early 1800s through the end of the Cold War. Readings in Russian literature and student presentations on prominent Russians supplement the course. The course's textbook serves as the basis of discussions, although students also discuss literary works and historical documents. Writing assignments include in-class and take-home essays.

COURSE NAME: LATIN AMERICAN HISTORY: SOC0220

SEMESTER: One-semester course

This course surveys Latin America from the arrival of Columbus through the twentieth-century. Its major themes are politics, race, economics and gender. The organization is chronological and the course emphasizes the region's major nations. Lectures and class discussions are equally important components of the class. Document readings serve as the basis of discussions and of numerous in-class and take-home writing assignments.

COURSE NAME: NON-WESTERN GLOBAL HISTORY SINCE 1500: SOC0208

SEMESTER: One-semester course

One-semester course In the half millennium since the Columbian contact, the American, African and Asia have been significantly transformed. This course will investigate the traditional peoples, societies, and cultures of the Americas, Africa and Asia and the significant changes and internal developments in these societies in the past five hundred year as they have had increasing encounters with the West.

COURSE NAME: WESTERN PHILOSOPHERS: SOC0210

SEMESTER: Full-year course

This yearlong, discussion-based class (meeting every other day) will examine key concepts and concerns of Western philosophy, through a reading of works by some of its seminal figures. We'll study selected texts by the following authors: Plato, Aristotle, Descartes, Kant, Rousseau, Hegel, Marx, Nietzsche, Sartre, and Rancière, with particular attention to the way each thinker addresses the issue of education. Each semester, students will be expected to give in-class presentations, take regular quizzes, and write a final research paper.

COURSE NAME: 20TH CENTURY EUROPE: SOC0215

SEMESTER: One-semester course

This is a lecture-based course that offers a chronological survey of Europe from 1900 through the end of the Cold War. Lectures are supplemented by document-based discussions and occasional videos. Western and eastern Europe receive equal attention, and the course presents less conventional topics such as terrorism and diversity, as well as traditional political and economic history.

COURSE NAME: INTRODUCTION TO CONSTITUTIONAL LAW: SOC0214

SEMESTER: One-semester course

This course is designed to provide students with a substantive understanding of the United States Constitution and the processes by which it is interpreted by the courts. The introductory portion of the course covers the textual, historical, political, and philosophical underpinnings of the Constitution, as well as theories of constitutional interpretation. Following the introductory portion, the majority of the subsequent coursework focuses on the study of United States Supreme Court opinions addressing the First Amendment (freedom of speech, freedom of the press, and establishment of religion), the Second Amendment (the right to bear arms), the Fourth Amendment (protection from unreasonable searches), the Fifth Amendment (self-incrimination and due process), the Sixth Amendment (right to legal counsel), the Eighth Amendment (protection from cruel and unusual punishment), the Fourteenth Amendment (due process and equal protection), and privacy rights. Many of the assignments relate to the rights of students in public schools.

The course emphasizes the development of analytical and advocacy skills (both written and oral). At the end of the course, the students will write briefs on an assigned issue and argue their positions in front of a moot court panel of judges.

Priority for this course will be given to seniors and to students who have completed American Government.

COURSE NAME: HISTORY THROUGH FILM: SOC0212

SEMESTER: One-semester course

This course, at its core, is an historiography course. Historiography is essentially the study of history; it is the examination of how people (usually historians in our case director' s) obtain and transmit historical data. Some questions to think about when reading or when analyzing the authorship of any history (interpretation of the past) include questions about: sources, bias, authorship, time period completed, and audience. Besides learning about the historical events themselves, these are the primary types of questions that students are required to think about while watching/analyzing the films in this course. The course contains roughly five thematic units, which included three to four films each. Students will be asked to complete weekly (sometimes bi-weekly depending on the length of each film) reading assignments associated with each film, participate in class discussions, and submit essays. Furthermore, each student will be required to do an independent research paper analyzing the historical accuracy of a film of his choosing. *Prerequisites: completion of U.S History and 20th Century World History.* (The course will be offered during the fall semester of odd years.)

COURSE NAME: MIDDLE EASTERN HISTORY: SOC0213

SEMESTER: One-semester course

This is a broad survey of Middle Eastern History, including societies from the Maghreb, Nile Valley, Levant, Mesopotamia, Anatolia, and Persia, with a brief introduction of ancient and medieval periods. The major focus is on Ottoman and Safavid Empires through the European colonial, post-colonial, and contemporary era. Special emphasis will be given to divisions within Islam and the transformative effects of encounters with the West. 15

COURSE NAME: HISTORY OF CHINA: LATE QING & MODERN PERIODS: SOC 0222

SEMESTER: One-semester course

This course will cover the history of China from the mid-nineteenth century to the contemporary era, focusing on major themes of China' s tumultuous history in the past century and a half. These themes include China' s past, the Qing Imperial system, Western intrusion, the collapse of the old order, Nationalist and Communist revolutionaries, the United Front, the Japanese invasion and World War II, the establishment of the People' s Republic, the Great Leap Forward and the Cultural Revolution, post-Mao reforms, Deng Xiaoping and the Four Modernizations, and the boom years. Texts and documents will be used, with focus on historical, political, economic, social and cultural trends.

COURSE NAME: THE CLASSICAL WORLD: SOC0224

SEMESTER: One-semester course

In this course, students will explore, in depth, ancient Greece and Rome, with emphasis on the conflict and conquest that shaped these civilizations, as well as their mythology, art, architecture, literature, law, and philosophy. Students will develop their research, writing, and analytical skills while they develop a better understanding of the impact of the classical world on Western civilization. Assigned readings will include English translations of the works of select classical authors.

COURSE NAME: BUSINESS & INTERNATIONAL LAW: SOC0228

SEMESTER: One-semester course

This course will introduce students to basic concepts which are fundamental to the formation and operation of domestic and international business entities. The course materials will expose the students to: (1) considerations surrounding business entity selection (corporations, partnerships, limited liability companies, etc.); (2) principles of contract and tort law; (3) taxation; and (4) government regulation of businesses. A portion of the course will be devoted to international legal issues, with particular emphasis on international business transactions and the impact of various treaties, conventions, and international organizations on the conduct of global business ventures.

COURSE NAME: GLOBAL HISTORY TODAY: SOC0232

SEMESTER: One-semester course

This course is intended to provide historical background in order to better understand issues of the world today. The class will identify current areas of political, economic, social, and cultural contention and then undertake a brief survey of a given region in Eurasia (South Asia, the Middle East, and East Asia). The introductory study of each region will cover major historical themes that underlie the current areas of contention. This study will cover key empires in each region since 1500 (Mogul, Ottoman, Ming), the period of Western contact and dominance, the Cold War, and the contemporary era. Students will then do project-based research to develop their own case studies of a chosen contemporary issue. Possible themes for consideration could include family and clan structure, state-building, religion, local and international economies, urbanization, armed conflict, nationalism, ideologies, gender issues, and environmental change. Students will present their work to small groups and the class. Texts, documents, video, and web based materials will be used in this class.

COURSE NAME: AFRICAN HISTORY: PAST & PRESENT: SOC0231

SEMESTER: One-semester course

This course will introduce the history of sub-Saharan Africa from traditional societies, the period of slavery, growing European contact and colonization, the era of decolonization, renewed independence, and the contemporary era. The class will focus primarily on the nineteenth, twentieth, and early twenty-first centuries in western and southern Africa, and make use of case studies of nations including Senegal, Mali, Angola, and South Africa.

Themes of the past two centuries to be considered include: the diaspora; family and clan structure; interplay between traditional religions, Islam, and Christianity; land control and use; armed conflict; nationalism and state-building; and urbanization.

Major themes of the contemporary period to be considered include: international and local economies and responses by social movements and intellectual networks; human rights and disparities between ethnic, linguistic, and social groups; and environmental change and its impact on the poor.

Students will be involved in independent projects studying nations and issues of their choosing. Texts, documents, artifacts, music, video, and web based materials will be used in this class.

COURSE NAME: WORLD MILITARY HISTORY: PAST & PRESENT: SOC0229

SEMESTER: One-semester course

This course examines military conflicts, famous and not so famous, that occurred around the globe during the notoriously violent twentieth-century. Building on and strengthening knowledge acquired in Twentieth-Century World History, the class relates world conflicts to their contemporary political and economic contexts. Additionally, it devotes considerable attention to operational military history and examines strategy, tactics, technology, and military theory. The course will study conflicts in Africa, Asia, and the Middle East, as well as in Europe, and will also examine insurrections in Latin America. Readings will be varied and will emphasize analytical and theoretical works.

COURSE NAME: AP U.S. HISTORY: SOC0230

SEMESTER: Year-long course

To be clearly distinct from ninth grade U.S. History, this course is a college level course. It is a comprehensive study of U.S. History from pre-contact through the present. This very rigorous course is intended for juniors and seniors, and is not a substitute for study of either the usual ninth grade U.S. History class or the usual 10th grade 20th Century History class. For tenth graders, concurrent study of both 20th Century History and AP U.S. History is only permissible should that student meet the necessary prerequisites. While several of the goals of AP U.S. History overlap with that of ninth grade U.S. History, the predominate difference is that the primary goal is to thoroughly prepare for the AP Exam. Thus, particular attention will be paid to completing timed multiple-choice exams and to writing document-based essays. Because of the nature of the exam and the amount of time in the school year, there will not be enough time in class to discuss every topic. Accordingly, to succeed in this course and on the AP Exam, the student must take primary responsibility for mastering the material and skills covered by this course. Furthermore, students will be required to do some **summer reading** to insure that there is enough time to complete the study of roughly four hundred years of history. *Prerequisites: minimum grade of B in U.S. History or 20th Century Modern World, a writing sample and instructor approval.* (This course is offered in even years, alternating with AP European History)

COURSE NAME: U.S. IN THE ERA OF SLAVERY AND JACKSONIAN DEMOCRACY: SOC0237

SEMESTER: One-semester course

This is a seminar course that deals with early 19th century U.S. History. It will deal primarily with such topics as the Market Revolution, Politics and Reform Movements in the Age of Jackson and the Institution of Slavery. Most of our study will come from the examination of primary sources and the critic of secondary scholarship. While there is no required “textbook” there are several required texts including Arthur Schlesinger J.’s *The Age of Jackson*. Students will be asked to complete nightly reading assignments, participate in class discussions, submit a term paper, and complete the midterm and final exams. *Prerequisites: completion of U.S. History; 10th graders must receive instructor approval.* (This course is offered in even years and is intended to be taken before Civil War and Reconstruction.)

COURSE NAME: HOWL: AMERIKA IN REVOLT: SOC0235

SEMESTER: One-semester course

From the Beat Generation to the Counterculture Movement, the 1950s and 1960s were a unique time in the U.S. History. This generation of young Americans saw the hypocrisy of their government and sought to rid the country of institutionalized racism, sexism and conservatism. This course will examine the various “revolutions” that took place in this era. Particular attention will be paid to student lead organizations like SDS, SNCC and the Weather Underground. Students will be asked to complete nightly reading assignments, participate in class discussions, submit a term paper, and complete the midterm and final exams. *Prerequisites: completion of U.S. History; 10th graders must receive instructor approval.* (This course is offered in even years.)

COURSE NAME: BRA BURNERS & SUFFRAGETTES: A HISTORY OF WOMEN AND FEMINISM IN THE U.S.: SOC0233

SEMESTER: One-semester course

This course is a survey of women’s history and the development of feminism in the U.S. The course will begin in the colonial era with the examination of Anne Hutchinson, the Salem Witchcraft Trials and the everyday life of women during the colonial era. The course will conclude with a study of modern feminism and the state of women’s rights in the U.S. today. Other topics will include: the women’s rights movement of the 19th century, the suffrage movement and women’s sexual liberation. Students will be asked to complete nightly reading assignments, participate in class discussions, submit a term paper, and complete the midterm and final exams. *Prerequisites: completion of U.S. History; 10th graders must receive instructor approval.* (This course is offered in even years.)

COURSE NAME: AMERICAN LABOR IN THE 20TH CENTURY: SOC0234

SEMESTER: One-semester course

Who built America? This is a key question in understanding the development of our modern world. This course will focus on the changing nature of labor in the United States during the 20th Century—from the rise of the AFL-CIO to deindustrialization and the creation of a service based economy. This course seeks to answer questions concerning these changes in order to further understand the nature of the working-class. The course will function as a mix of seminar and lecture. Students will be asked to complete nightly reading assignments, participate in class discussions, submit a term paper, and complete the midterm and final exams. *Prerequisites: completion of U.S. History and 20th Century World History.* (This course is offered in even years.)

FOREIGN LANGUAGE

The Roeper School offers students a unique state-of-the-art language program. At all levels the approach is designed to engage the students, stimulating their initiative by utilizing their own experiences and offering relevant activities.

FRENCH

COURSE NAME: FRENCH I: FLG0100

SEMESTER: Full-year course (not offered every year)

French I begins with a two-month introduction to basic French. The students are introduced to language learning by being sensitized to the diverse aspects of communication in their own language. The approach relies on strategies used in their native language such as understanding in context, anticipation, cognates, word recognition, etc. During the first year, the program revolves around themes of interest and is not driven by grammar. However, grammar is not neglected. By the end of the first year the students are able to recognize and identify the differences between past, present, and future tense of most common regular and irregular verbs. They also have an understanding and recognition of the gender/number agreement between nouns and adjectives. Within the theme the students are able to circumlocute, guess intelligently, derive meaning from context, apply prior knowledge, ask for and provide clarification, make and check hypotheses, make inferences, predictions and generalizations, and draw conclusions as they interact with individuals. One example of a theme is vacation memories (places you go, activities you do, transportation, equipment). Each theme is ended by a week of workshops that engage the students in interactive activities. An evaluation of their competence in areas of listening, reading, writing, and speaking concludes every unit. This program is congruent with National Standards as established by ACTFL.

COURSE NAME: FRENCH II: FLG0101

SEMESTER: Full-year course

PREREQUISITE: MS French 3 or instructor's permission

French II is a continuation and extension of French I. Students explore new themes and expand and enrich their vocabulary while developing a more formal understanding of how the language is constructed. As their fluency and ability to function within the language increases, so does their grammatical accuracy. At this level, students are expected to use the verb tenses and grammatical structures they were only asked to be able to recognize during French I. By the end of French II students are able to communicate in the conditional mood when needed. They develop more sophisticated structures of questioning. Students are asked to retrieve information for mini-research projects using authentic materials such as encyclopedias, magazines, French CD-ROMs, and the Internet. Active listening, mini-presentations and group work are part of their daily learning process. At the end of each theme, evaluation includes listening and reading comprehension, writing, and speaking. Students are evaluated on how well they can communicate their ideas and on the level of accuracy at which they are performing.

COURSE NAME: FRENCH III: FLG0102

SEMESTER: Full-year course

PREREQUISITE: Grade of B or better in French II or instructor's permission

This course continues with the experiential learning approach. Some of the themes are new, while others are "revisited" from previous years. Students will be required to write mini essays, and to make oral presentations (5 to 10 minutes) on research connected to the theme explored in the unit of study. They will become well acquainted with most verb conjugations, regular or irregular. They will experiment and use various linguistic and grammatical elements within real communication situations where language is considered a vehicle to express a message. At the end of each unit students will be evaluated on their progress in fluency as well as in their accuracy in delivering the message in speaking and in writing, evaluation will also include their reading comprehension ability and grammar. Students will enjoy watching French movies and getting to experience French culture within its many aspects. This program is congruent with the National Standards as established by ACTFL.

COURSE NAME: FRENCH IV: FLG0103

SEMESTER: Full-year course

PREREQUISITE: Grade of B or better in French III, or instructor's permission

French IV develops the students' skills around units of interest such as life in the 20th Century or teen issues and concerns. The students experience their learning through listening activities, authentic reading materials from various sources including teen and scientific magazines, and many workshops, group activities, surveys and essays that develop the students' writing and communication skills. There is a comprehensive grammar program – twice a week instruction with a grammar book, complete with linguistic-style exercises that help the student to systematize the grammatical knowledge developed over the first three years. Every learning theme is concluded with an evaluation of oral communication, listening comprehension, reading comprehension, writing and grammar. This program is congruent with the National Standards as established by ACTFL.

COURSE NAME: ADVANCED TOPICS IN FRENCH V/FRENCH VI —WRITING AND COMMUNICATION: FLG0107

SEMESTER: Full-year course

PREREQUISITE: Grade of B or better in French IV, French V or Cultura

Students will use “ Hachette survey of French Literature” textbook. The course will introduce the students to texts from the middle ages to the XXth century. Students will be engaged in reading and interpreting the texts, in class discussions, and in writing weekly essays. They will decide on one novel they wish to study in depth and entirely from a selection presented in the course. In addition this course will include a weekly, systematic, intensive review of grammar. Evaluation will be based on class participation, reading and grammar preparation, essay writing, in class essays, and grammar quizzes.

COURSE NAME: ADVANCED ORAL FRENCH

SEMESTER: Full-year course

PREREQUISITE: Passing grade in French IV or teacher recommendation

The French conversational course is unique for its objectives, its design and means of evaluation. It aims to allow for a constant usage of French. It will offer first a consistent training in practicing spoken French that will result in a true French experience.

COURSE NAME: CULTURA

SEMESTER: Full-year course

PREREQUISITE: Grade 10, B or better in French IV or French V

In our world, in which multinational companies constantly form or merge and in which people of diverse nationalities are increasingly asked to communicate and work together, the need to understand a culture other than one's own has become of paramount importance. We must prepare our students for that new world and help them develop a deep understanding of these other cultures. This will be one of the most important skills to possess in this new century. We must search for ways in which this new level of understanding might be attained.

The CULTURA project – designed and based at MIT and funded by the National Endowment for the Humanities shows a concrete and dynamic way in which the World Wide Web can be used to foster understanding between American and French students. It offers learners and teachers alike, on both sides of the Atlantic, a unique, comparative, cross-cultural approach for gradually constructing knowledge of other values, attitudes, and beliefs, in an ever-enlarging construction of the foreign culture.

Even though the focus is on the cross-understanding of French and American cultures, CULTURA provides a basic and broad methodology which can easily and effectively be applied to the cross-understanding of any two cultures, whether they are national cultures, business cultures, or even sub-cultures.

In 2003-2004 The Roeper School was the pilot school for the NEH Grant developed by MIT.

SPANISH

COURSE NAME: SPANISH I: FLG0203

SEMESTER: Full-year course (not offered every year)

Spanish I emphasizes an introduction to language study using an integrative, communicative approach. It is possible for students to use the language creatively from the outset, and free expression is encouraged. Situations are taken from everyday experiences, and vocabulary emphasizes elements of the native speakers' idiom. Grammar is not presented for its own sake but as a means of transmitting a spoken or written message as accurately as possible. In this proficiency-oriented approach, culture and the four skills of language learning—listening, speaking, reading, and writing—reinforce one another in an ever-widening spiral. By the end of Spanish I, students are able to function as accurately as possible in a variety of everyday situations. Examples of this are: discussing likes and dislikes; functioning in a cafe; asking for and giving directions; describing people and activities in the present, past, and future; and making plans for a trip. Culturally, this level stresses an awareness of the scope of the Hispanic world and elements specific to Hispanic culture (family and traditions). This program is congruent with the National Standards as established by ACTFL.

COURSE NAME: SPANISH II: FLG0204

SEMESTER: Full-year course

PREREQUISITE: Spanish I or consent of instructor

Spanish II is a continuation and extension of Spanish I. The vocabulary of first level is extended, and the ability to communicate comfortably and effectively is expanded during the second year. Some themes of this level include: accurate description of people and places, talking about your residence, getting lodging in a hotel or hostel, interacting/questioning related to leisure-time and vacation activities and the ability to discuss health-related concerns. These situations are intended to give the student freedom to be creative and express ideas without fear or anxiety. Culture at this level stresses the traditions and history of Mexico, Central America and South America. Grammar again is not presented in isolated situations but rather as a means for effective communication. This program is congruent with the National Standards as established by ACTFL.

COURSE NAME: SPANISH III: FLG0205

SEMESTER: Full-year course

PREREQUISITE: Spanish II or consent of instructor

Spanish III is an extension of Spanish II with an emphasis on foods, art, and popular art, music, and literature of various segments of the Spanish-speaking world. Students learn to speak about food, clothing, art, music, and literature and make plans for travel using a variety of modes of transportation. The student at level III will develop Spanish language reading skills through exposure to a variety of texts (recipes, menus, articles from magazines and newspapers, poetry, short stories and even excerpts from some of the literary masterpieces of the Spanish language). Grammar continues to aid the student in effective communication. This program is congruent with the National Standards as established by ACTFL.

COURSE NAME: SPANISH IV: FLG0206

SEMESTER: Full-year course

PREREQUISITE: Spanish III or consent of instructor

Spanish IV encompasses a study of the history and literature of Spain. At this level, effective communication—in the form of speaking and writing—continues to be the ultimate goal. Short stories and poetry are part of the curriculum. Students write descriptive essays, character sketches, opinion papers and work with partners on team presentations. In addition, students are required to write a research paper and present a cultural project. Culture continues to be explored via student interests, authentic materials, and living scenarios. This program is congruent with the National Standards as established by ACTFL.

COURSE NAME: SPANISH V/AP: FLG0207

SEMESTER: Full-year course

PREREQUISITE: Spanish IV or consent of instructor

Spanish V Continues to refine the listening, speaking, reading and writing. At this level the curriculum includes the study of culture, history and literature of the Spanish speaking countries and people. The literature includes short story, drama, poetry, essays. The cultural emphasis examines the formation of the Hispanic personality and the social panorama of the Spanish-speaking world. Students write a variety of compositions and they write a research paper of the students' choice. Students are engaged in a systematic intensive review of grammar. During the second semester students will focus on related projects around Spain and Spanish Civil war. Students at this level are offered the choice to take the Spanish AP.

LATIN

COURSE NAME: LATIN I: FLG0300

SEMESTER: Year

PREREQUISITES: Grades 6-8, 9-12

Students in Latin 1 begin their introduction to this complex language by developing their knowledge and skills in three major areas: vocabulary acquisition, Latin grammar, and translation. A significant portion of this class is dedicated to the development of the analytical skills required to examine Latin sentences, and many of the lessons will indeed help sharpen a student's English grammar. Students are introduced to the translation process and hone their abilities to render smooth and accurate translations of adapted Latin stories. In addition to learning the basics, the Latin 1 curriculum also provides a contextual study of the language by introducing cultural elements into the classroom according to the interests of the current students.

COURSE NAME: LATIN II: FLG0301

SEMESTER: Year

PREREQUISITES: Grades 7-12

Students in Latin 2 continue to expand their knowledge and skills in vocabulary acquisition, Latin grammar, and translation. This year in Latin depends heavily on memorization strategies and abilities—students are introduced not only to an increasing corpus of vocabulary but also to increasingly difficult grammatical forms and constructions, which are often explained first in English. In addition, Latin 2 students continue to hone their Latin to English translation skills. Translation is a highly analytical process, and it is one of the goals for this year to begin to bring an automaticity to this process. The Latin 2 curriculum continues to provide a contextual study of the language by bringing cultural elements into the classroom according to the interests of the current students.

COURSE NAME: LATIN III: FLG0302

SEMESTER: Full year

PREREQUISITES: Latin II

The Latin 3 curriculum continues to emphasize vocabulary acquisition, aspects of Latin grammar, and translation. In this year, students are introduced to the subjunctive mood, which is the equivalent of getting their driver's license in Latin. A major goal of this course is to encourage students to internalize the translation process to the point where they are able to "think" in Latin. During the second half of the year, students get to try their hand at some unadapted Latin. The Latin 3 curriculum also provides a contextual study of the language by bringing cultural elements into the classroom according to the interests of the students.

COURSE NAME: LATIN IV: FLG0303

SEMESTER: Full year

PREREQUISITES: Latin III

The Latin 4 curriculum comprises a special, intensive overview of Latin syntax and morphology in preparation for learning to read unadapted Latin in the following year. A college-level textbook is used which provides plenty of practice with some of the knottier bits of Latin grammar. Students continue to be introduced to “real” Latin and are familiarized with the range of Latin literature. While there is an emphasis on linguistic study, the Latin 4 class also provides a contextual study of the language by bringing cultural elements into the classroom according to the interests of the students.

COURSE NAME: LATIN V: FLG0304

SEMESTER: Full year

PREREQUISITES: Latin IV

Latin 5 is a reading course that surveys a host of authors primarily chosen by the students. In general, an attempt is made to introduce a variety of genres as well as both poetry and prose. Students will learn to keep a running vocabulary lists for the selections we read, the basics of poetry scansion, and some of the tools and terminology used for analyzing literature in general and ancient texts in particular. This class is not designed to teach to the AP Latin Exam, although students may elect to sit the exam at this level.

CHINESE

COURSE NAME: CHINESE I: FLG0400

SEMESTER: Full year, every day

Chinese One is a beginning language course for students to learn Mandarin Chinese. Its aim is to help students build up and develop basic Chinese language skills for communicative competence in the interpretive, interpersonal, and presentational modes. First, Pinyin (the most widely used Chinese phonetic system) will be taught as a tool to learn the spoken language. Students will then learn basic vocabulary and sentence structures for use in essential everyday situations through various forms of oral practice. Students will also learn to read and write approximately 200 Chinese characters related to the oral task. Rules for stroke orders will be introduced and will be practiced continuously throughout the year. While linguistic aspects of the Chinese language are the primary focus, introduction to the social and cultural background of the language will also form an important part of the course, helping students not only develop a desire for further exploring the Chinese language, but also an appreciative acquaintance with Chinese culture.

COURSE NAME: CHINESE II: FLG0402

SEMESTER: Full year, every day

Chinese Two is designed for students who have finished Chinese One or its equivalent. The curriculum will continue to build on students’ listening, speaking, reading, and writing skills at an accelerated pace. Building upon previously learned vocabulary and sentence structures, students will study more useful expressions and advanced sentence structures necessary for use in everyday life. Students will be exposed to longer and more complex conversations related to everyday situation as well. While emphasis will still be laid on the communicative skills of listening and speaking, students will also continue studying more Chinese characters for reading and writing, and keep practicing writing short essays in Chinese characters. To facilitate the study of the language, different aspects of Chinese culture and society will also be continuously introduced through activities such as Chinese videos, cooking, field trips, and guest speakers.

COURSE NAME: CHINESE III: FLG0406

SEMESTER: Full year, every day

Chinese Three is designed for students who have finished Chinese Two or its equivalent. The curriculum will continue to build on students' listening, speaking, reading, and writing skills at an accelerated pace. Building upon previously learned vocabulary and sentence structures, students will study more useful expressions and advanced sentence structures necessary for use in everyday life. Students will be exposed to longer and more complex conversations related to everyday situation as well. While emphasis will still be laid on the communicative skills of listening and speaking, students will also continue studying more Chinese characters for reading and writing, and keep practicing writing short essays in Chinese characters. To facilitate the study of the language, different aspects of Chinese culture and society will also be continuously introduced through activities such as Chinese videos, cooking, field trips, and guest speakers.

COURSE NAME: CHINESE IV: FLG0407

SEMESTER: Full year, every day

Chinese Four is designed for students who have finished Chinese Three or its equivalent. Students will continue to learn more essential skills of listening, speaking, reading, and writing for daily communication. A broad variety of expressions and complicated sentence structures will be introduced so that students can participate in conversations on various topics related to modern Chinese society. While equal emphasis will still be given to both characters and structures, students will be guided to write more Chinese essays. Activities related to the broad spectrum of Chinese culture will be organized to facilitate language learning with knowledge and analysis of the cultural background of the language.

COMPUTER

COURSE NAME: **DIGITAL PHOTOGRAPHY: CTR0106**

SEMESTER: One semester course, every-other day (1st semester)

This survey course teaches the basics of digital photography. Students use digital cameras to take photographs and Adobe Photoshop to manipulate these images. The course teaches photographic concepts as applied to digital technology and the use of digital imaging software. This team taught class places equal emphasis on technology and aesthetics.

COURSE NAME: **ADVANCED DIGITAL PHOTOGRAPHY: CTR0111**

SEMESTER: One-semester course, every-other day (2nd semester)

PREREQUISITE: Digital Photography course or Instructor permission

This course is a continuation of the Digital Photography course and places more emphasis on making creative images. Topics include additional Photoshop techniques and printing images. Students work on classroom assignments culminating in a self-directed project with the goal of exhibiting their work in the school gallery.

COURSE NAME: **DIGITAL PORTFOLIO**

SEMESTER: One-semester course, every-other day

This is an ongoing course that students can take to schedule training and block time to develop a digital portfolio. Skills taught include collecting and digitizing work product, collating and organizing data into a portfolio, and publishing the portfolio on CD-ROM and/or DVD. Additional courses that support Digital Portfolio are Digital Photography and Digital Video Editing.

COURSE NAME: **DIGITAL VIDEO EDITING: CTR0101**

SEMESTER: One-semester course, every-other day

This course uses Adobe Premiere to teach the fundamentals of digital video editing. Topics discussed include capturing (digital) and digitizing (analog) video, transitions, effects, titling, rendering, and publishing.

COURSE NAME: **MICROWORLDS: CTR0113**

SEMESTER: One-semester course, every-other day

Microworlds is a class that gives your imagination the tools it needs to break out into the real world. Students create worlds through sketches and writing and then, write stories that take place within their creations. The tales are illustrated, using different graphics software, including the programs *Microworlds*, *Bryce 3D*, landscape program, and *Poser*, a 3D figure design program. Students' work will be compiled into a small color anthology.

COURSE NAME: **GRAPHIC DESIGN FUNDAMENTALS: CTR0110**

SEMESTER: One-semester course, every-other day

This course teaches the basics of graphic design using computers. Adobe Illustrator is used to teach students how to create graphics used on desktop publishing and the World Wide Web.

FINE & PERFORMING ARTS

ART

COURSE NAME: MIXED MEDIA – COURSE ID: FIN0129

SEMESTER: Offered each semester, every-other day

In this course, we will work with a variety of media to create works that combine traditional art materials with found objects and unconventional approaches. Together, we'll discuss the use of art elements in constructing layers of meaning, and consider the cultural meaning(s) of the materials we use. With each assignment, students are encouraged to discover meaningful and personal ways to record their ideas and experiences. Students should be prepared to discuss artwork that we look at in class and to speak about their own work and personal goals.

COURSE NAME: CERAMICS – COURSE ID: FIN0108

SEMESTER: Offered each semester, every-other day

In this class each student will learn basic hand-building techniques to express their individual ideas. Students will have the opportunity to work functionally, conceptually or sculpturally. The introduction of other materials will be encouraged to enhance final outcomes. The wheel will be introduced to interested students during this course. Visits from practicing artists and field trips will take place during the semester. Each student will have the opportunity to explore various surface decorations and glazes. Critiques and self assessments will be encouraged.

COURSE NAME: ADVANCED CERAMICS AND INTRODUCTION TO CONTEMPORARY CERAMICS: FIN0128

SEMESTER: Offered each semester, every-other day

This class is for students who have taken prior ceramics classes. Through roundtable discussions and visual resources, students will be exposed to the work of a wide variety of contemporary clay artists. Discussions and critiques will enable students to expand their knowledge of this versatile medium. Students will be required to investigate artists of their interest and share their findings with the class.

COURSE NAME: FIGURE STUDY: FIN0106

SEMESTER: One-semester course

SCHEDULED: 8th Block and one after school session per week

PREREQUISITE: Consent of instructor

This course is designed to assist students who have a serious interest in exploring the use of the human figure in drawing, painting and sculpture. Figure drawing practice will be emphasized and studies will be used for 4-5 finished final works. Professional models will be scheduled to pose for classes weekly. Figurative artists from the past and present will be shared in class in order to enhance awareness of the history and various purposes of figurative art. Students should be prepared to discuss artwork that we look at in class and to speak about their own work and personal goals.

COURSE NAME: ART HISTORY: FIN0100

SEMESTER: Full-year course

This art history course is designed to provide, in two semesters, a survey of Western Art from Prehistoric to Post-Modern times. Through the images we'll study in class, we'll examine enduring questions about the human experience and the vitality of the creative spirit. We will consider the connections and broad themes among them and invite comparisons and discussion. A final and essential objective of this course is to learn how the research and social/political context surrounding artworks shape our understanding and interpretations of them.

COURSE NAME: DRAWING: FIN0130

SEMESTER: Full-year course

Drawing is a semester course in which students will explore a broad range of approaches to art through sketching, formal drawing technique, and discussions about various drawing approaches and artists. Traditional and alternative (experimental) approaches to drawing will be presented. Students should be prepared to question and critique their own work as well as the work of others in class. We will hold critiques after assignments.

COURSE NAME: **DRAWING & PRINTMAKING: FIN0120**
SEMESTER: Full-year course

Drawing and Printmaking is a semester course in which students will explore a broad range of approaches to art through sketching, formal drawing technique, and relief printmaking methods. Because Drawing is traditionally considered a foundation for study in the arts, our first 8 weeks will be devoted to drawing assignments, with the last 8 weeks spent Printing (or a combination). Traditional and alternative (experimental) approaches to drawing will be discussed. Students should be prepared to discuss the artwork that we look at in class and to speak about their own work and personal goals. Skills and techniques covered in this class may include contour drawing and gesture drawing, mono-printing, relief printmaking, reduction prints and screen printing.

DANCE

COURSE NAME: **UPPER SCHOOL DANCE ENSEMBLE: FIN0402**
SEMESTER: Full-year course, every-other day

This course is open to all Upper School students, as well as eighth grade students with permission of the instructor only. The course is designed for students who want to develop and improve their technical, choreographic and performance skills. The foundation of this class consists of the Horton modern dance technique, although ballet, jazz, improvisation, lyrical and contemporary dance will also be explored. Students will participate in an informal dance presentation mid-year, and the Annual Spring Dance concert featuring both instructor and student-choreographed dances. Students will be provided with opportunities to attend concerts by professional dance touring companies and to take master classes with visiting professional dancers.

COURSE NAME: **REPERTORY DANCE THEATRE: FIN0400**
SEMESTER: Full-year course, every other day

The Repertory Dance Theatre is made up of experienced dancers with a firm foundation in both modern dance and ballet. Students are selected for this class by audition only. The foundation of this class is the Horton modern dance technique although members of this class will also study ballet, jazz, improvisation, lyrical and contemporary dance. The Repertory Dance Theatre gives aspiring dancers the opportunity to challenge themselves both artistically and technically, and to work alongside other dancers who share their passion and commitment. Students will participate in an informal dance presentation mid-year, and the Annual Spring Dance concert featuring both instructor and student-choreographed dances. Students will be provided with opportunities to attend concerts by professional dance touring companies and to take master classes with visiting professional dancers.

THEATRE

COURSE NAME: **FUNDAMENTALS OF ACTING: DEVELOPING THE ACTOR' S PROCESS**
SEMESTER: One semester course

In a safe, nurturing environment, students are encouraged to explore their potential while developing fundamental acting skills. With a strong focus on process, students will be exposed to a variety of acting methodologies including those of Uta Hagen, Robert Alexander, Sanford Meisner, Michael Shurtleff and Viola Spolin. As they explore a wide range of techniques and approaches to the actor' s craft students are encouraged to begin development of their own individual process. Preliminary monologue and scene work is explored based on the experience and skill level of the students enrolled.

COURSE NAME: SCENE STUDY – EXPLORATION OF THE TEXT

SEMESTER: One semester course

PREREQUISITE: Fundamentals of Acting or consent of Theatre Director

Each week new scenes will be introduced so that students are effectively trained in their approach to dramatic literature and discover their process as they “pick it apart.” In a strong, process-oriented format, students will continue to develop a process uniquely their own as they explore cold readings, structure, script analysis, and performance skills. *Memorization of material is not required.*

COURSE NAME: SCENE & STYLES SHOWCASE

SEMESTER: One semester course

PREREQUISITE: Scene Study or consent of Theatre Director

A variety of scenes from dramatic literature ranging from the Greeks, Shakespeare, and Moliere to Ibsen, [Chekhov](#), and contemporary play writes will be analyzed, rehearsed, and presented in an open class showcase. Period and style will be explored focusing on relationship, conflict, action, and ensemble. The final showcase offers the opportunity to perform a wide range of material and test our skills in front of an audience. *Memorization and outside rehearsal are required.*

COURSE NAME: AUDITION TECHNIQUE

SEMESTER: One semester course

PREREQUISITE: Consent of Theatre Director

A course designed for the advanced acting student who is prepared to explore and master the audition process, AUDITION TECHNIQUE, will examine a variety of audition opportunities and approaches. In a nurturing environment (unlike most audition conditions) students will continue to develop their individual process while building the technical skills necessary for the successful audition. Areas of study will include: the material selection process, the healthy psychology of auditioning, effective audition staging, and customized preparation for college entrance and professional auditions.

COURSE NAMES: THEATRE PRACTICUM

SEMESTER: One semester course

The practical application of theatre skills is encouraged through participation in a Roper Theatre Company production. Theatre practicum credit is granted at the discretion of the Theatre Director upon successful completion of designated production responsibilities including: acting, stage managing, and participation as a crew member or technician.

COURSE NAMES: STAGECRAFT(BEGINNING & ADVANCED): FIN0218 & FIN0217

SEMESTER: One semester course

The principles and practices of lighting, sound, set design and construction will be covered. Roper Theatre Company productions will provide practical experience in these areas. All work experience will be done during class time.

COURSE NAMES: LIGHTING: FIN0213

SEMESTER: One semester course

PREREQUISITE: Stagecraft

A study of the process of designing lighting for theatre and dance, including conceptualization, instrumentation, plotting, hanging and focusing, cueing and board operation.

MUSIC

COURSE NAME: **BAND: FIN0309**

SEMESTER: Full-year course, every-other day

COREQUISITE: Grades 9 – 12 or by audition

This program is built around the instrumentation of the performers. Music is selected based on individual strengths with an emphasis on achieving the best musical balance possible. Students will be provided opportunities to explore the elements of music and develop an expressiveness to the music they hear, perform, and create. Students will gain personal musical values and awareness to respond with sensitivity to many types of music. This is a performance-oriented ensemble that will participate at scheduled concerts and solo/ensemble workshops and festivals.

COURSE NAME: **JAZZ BAND: FIN0312**

SEMESTER: Full-year course, every-other day

COREQUISITE: Band or consent of instructor

In the jazz environment, students have chosen to take their knowledge and enjoyment of music to a new level by studying, performing, creating, and listening to repertoire in various jazz styles. Through the learning of scales and chords, students will gain confidence in improvisation techniques. The jazz ensemble is built around the instrumentation of the performers. Repertoire is chosen based on individual strengths within the ensemble. Classes act as rehearsals for the many performances, as well as instructional time for the learning of blues scales and chord symbol reading and comprehension. Appropriate guided listening and creating will occur on a regular basis.

COURSE NAME: **CHOIR: 0317**

SEMESTER: Full-year course, every-other day

This is a performance class focusing on the development of good vocal technique, as individuals and with the ensemble. Singers will explore a wide variety of musical styles. In addition to MSVMA choral festivals, and solo/ensemble offerings, students will participate in outreach performance opportunities outside the Roeper community.

COURSE NAME: **MUSIC THEORY: FIN0308**

SEMESTER: One-semester course, every-other day

Music Theory provides a thorough grounding in the fundamentals of music. It provides a functional understanding of the basic materials of music: *time and sound*. Tonality and its development historically involves learning about pitch, intervals, scales, triads, keys, and key signatures.

COURSE NAME: **BASIC HARMONY: FIN0315**

SEMESTER: Full-year course, every-other day

PREREQUISITE: Music Theory or permission of instructor

This course is a continued study of traditional 18th and 19th Century harmonic principles in combination with aural skill development. For the composer, or for the performer, competency requires a thorough understanding of the techniques practiced by musicians of previous generations. The course is the study of chords in all positions and how they function within a musical composition. Voice leading, doublings, melodies, phrases, cadences, are all topics that will be covered which will culminate in the harmonization of simple melodies.

COURSE NAME: **SELECTED TOPICS IN MUSIC LITERATURE**

SEMESTER: One-semester course, every-other day

Students enrolled in this class determine the focus and scope of study. Composers and music from the Renaissance, Baroque, Classical, and Romantic periods, as well as contemporary music, are possible topics.

COURSE NAME: **STRING ENSEMBLE: FIN0307**

SEMESTER: Full-year course, every-other day

PREREQUISITE: Permission of instructor

String players are exposed to standard repertoire for small string ensembles. Opportunities to perform are many and varied.

COURSE NAME: **ADVANCED MUSIC THEORY: FIN0319**

SEMESTER: Full-year course, every other day

PREREQUISITE: Music Theory, Basic Harmony

This course is designed to prepare students to successfully take the AP Music Theory exam. It combines theoretical study of music with the development of listening skills through a comprehensive study of Western art music.

COURSE NAME: **ORCHESTRATION AND ARRANGING: FIN0314**

SEMESTER: One semester course, every other day

PREREQUISITE: Music Theory or consent of instructor

This non-performance elective is for the advanced musician.

Students will explore and combine the basic principles of orchestration (acoustics, instrument/voice properties, conventions of notation, texture, transposition, and style) in creative exercises that will emphasize the fundamentals of instrumentation and orchestration. Students will not only learn the basic processes of scoring, but will also have the opportunity to practice their acquired skills through scoring projects based on excerpts by well-known composers of Western Music, to be performed by existing ensembles within the Roper community.

COURSE NAME: **WOMEN OF HARMONY: FIN0308**

SEMESTER: Full year, every other day

This is a women's group for grades 9-12. Repertoire will include classic barbershop, classical styles, and many contemporary styles. Many of the performance commitments will take place at the choir concerts. However, a few additional small performances may be required.

COURSE NAME: **MUSICAL HISTORY I: FIN0330**

SEMESTER: Fall Semester, every other day

This class will begin with the study of Beethoven, his music, and how history made him the composer that would lead us into the Romantic Era. Romantic music is studied through an introduction to the leading composers, genres and forms. Other composers include Wagner, Puccini, and Bizet. This class will have a strong emphasis on the growth of opera, program music, and orchestral music. In addition, we will emphasize listening, analysis, research and writing, and the application of these skills in preparing papers and projects related to the class.

COURSE NAME: **MUSICAL HISTORY II: FIN0331**

SEMESTER: Spring Semester, every other day

Contemporary music is studied through an introduction to the leading composers, genres and forms. This class will explore composers like Stravinsky, Schoenberg, and Webern. In addition we will explore the jazz and blues era and other composers like Bernstein, Sondheim, and Gershwin. The class will have a thorough exploration of twentieth century opera, orchestral music, and musical theater. The class will emphasize listening, analysis, research and writing, and the application of these skills in preparing papers and projects related to the class.

PHOTOGRAPHY

COURSE NAME: UPPER SCHOOL PHOTOGRAPHY: FIN0500

SEMESTER: One-semester course, every-other day

This course is geared toward teaching the student the techniques of standard black-and-white photography. Students are instructed in the fundamentals of camera operation, black-and-white film processing and black-and-white enlarging. A portion of the semester is devoted to alternative processes. Students are encouraged to develop their own personal vision within the medium. Class time involves lab work, group and individual critiques, demonstrations of new techniques and discussions of prominent issues in the medium.

COURSE NAME: ADVANCED PHOTOGRAPHY: FIN0503

SEMESTER: One-semester course, every-other day

PREREQUISITE: At least two semesters of Upper School Photography, and approval of instructor

This class places an emphasis on manual camera techniques and darkroom proficiency. There will be set projects that will include some of the following processes: toning of black and white prints, solarizing, emulsion and image transfers, use of Kodalith film, negative sandwiching, distortion, and the use of liquid emulsion.

Students will choose a particular area of interest and develop a photographic/darkroom project, which they will self-direct. Each student will also be responsible for writing one paper on a photographer.

PHYSICAL EDUCATION

COURSE NAME: UPPER SCHOOL PHYSICAL EDUCATION COURSE ID: HPE0104

SEMESTER: One-semester course, every-other day

This course will provide instruction on a variety of team and individual games/sports. Students will be taught and tested on basic rules and fundamentals in the more popular team sports. The Presidents Physical Fitness Challenge will be explored as well as allowing for a portion of the semester to be student driven.

COURSE NAME: BIGGER, FASTER, STRONGER (WEIGHTS) - COURSE ID: HPE0103

SEMESTER: One-semester course, every other day

This course will allow students to experience a weight lifting program that will increase their strength and teach them the proper lifting and spotting techniques. Students that enroll in the everyday class will compliment their lifting with a speed, agility, and plyometric workout.

COURSE NAME: FISHING WITH ED - COURSE ID: HPE0101

SEMESTER: One-semester course, every other day (2nd semester)

Students will explore and experience the many different aspects of fishing. Students will design and build their own fishing poles, learn how to tie a variety of knots, learn basic fishing rules of Michigan and its fish species, understand how to operate GPS units, build their own spinners, and learn how to tie their own flies. Students will combine their knowledge and finished products with a fishing derby at the end of the year. Students will be responsible for purchasing their own rod building kit supplies, fishing license if necessary, reel, and tackle.

COURSE NAME: INTERSCHOLASTIC SPORTS

SEMESTER: Seasonal

Roeper offers an interscholastic sports program to all of its students. Skills and strategies, rules, team play and sportsmanship are stressed. Women's sports include basketball, volleyball, soccer, and track. Men's sports are soccer, basketball, baseball, and track. For more information, contact the Athletic Director.

COURSE NAME: TOURNAMENT TEAM SPORTS - COURSE ID: HPE0109

SEMESTER: One-semester, every other day

Students will be given the opportunity to be a part of a team, act as a coach and design their own plays in this unique class. Classes will be divided into smaller groups and participate in mini tournaments. Statistics will be gathered, teams will have practices and strategies will have to be formulated as this class delves deeper into two or three different team sports.

COURSE NAME: PERSONALIZED FITNESS TRAINING – COURSE ID: HPE0108

SEMESTER: One-semester, every other day

Students will have a large amount of input as they plan and design a personal fitness program. Weight lifting, speed training, plyometrics, aerobics and cardiovascular activities can be used by students as they personally challenge themselves in an individualized workout.

COURSE NAME: SPORTS OFFICIATING – COURSE ID: HPE0112

SEMESTER: First semester, every other day

PREREQUISITE: Students must be 16 by end of course or of Junior/Senior standing to be certified. Sports officiating will cover and certify students in both basketball and soccer. The MHSAA's "Legacy" program will allow students to officiate middle school and junior varsity contest for pay. Students will be taught the proper rules and mechanics of becoming a confident and competent official. Due to the MHSAA restrictions only 16 year olds and Juniors/Seniors may become certified for pay.

COURSE NAME: OUTDOOR EDUCATION – COURSE ID: HPE0113

SEMESTER: One semester, every other day, 2nd Semester only

PREREQUISITE: This inter disciplinary class will incorporate the relationship that science, literature, writing, music, photography, survival skills, fishing and orienteering have with the outdoors. Learn how to pick the correct plants to eat in the wild, write poetry, construct musical instruments out of natural materials, document your experiences through photography, catch and clean fish, make fires and shelters, and always find your way back home. Students will be exposed to a variety of these situations as several different teachers and guest speakers will work together in a collaborative effort. The skills learned throughout the semester will be utilized on their overnight field trip to a campground in Northern Michigan.

HEALTH

Upper School Health classes have the following goals:

- ◆ *to impart up-to-date health information;*
- ◆ *to help students learn how to acquire and evaluate health information;*
- ◆ *to offer an open forum for discussion of issues and problems;*
- ◆ *to teach communication and coping skills and offer opportunities for practicing the techniques involved;*
- ◆ *to offer a setting in which students develop and clarify their values through exploration and discussion of alternatives and consequences*

EVERYDAY HEALTH: COURSE ID HPE0208

Everyday Health fulfills the US requirements for students to graduate. This class meets every day for one semester. Students are required to complete this course by the end of their sophomore year. Students will learn a variety of skills that they can incorporate into their everyday lifestyle. Students will have an opportunity to give input on the topics we will cover. The essential topics covered are: Stress/Goal Setting/Time Management, Nutrition, Physical Activity, Parent Communication, Alcohol/Drugs, Sex/Sexuality/Relationships, Date Rape, STD' s/Contraceptives and Pregnancy.

NON-DEPARTMENTAL COURSES

COURSE NAME: SENIOR PORTFOLIO

SEMESTER: Full year course, every other day

PREREQUISITE: Grade 12 (Fall); Grades 11 and 12 (Spring)

Students will have the opportunity to spend meaningful, structured class time preparing for “ life after Roeper” in this useful course. In the fall, seniors (only) will spend class time utilizing the Web, guide books, college rep visits, and other resources to research schools and/or vocations. Instruction will be given on completing applications, test registrations, essays, and other required documentation as well as exploring scholarship and financial aid options. In the Spring, seniors will assist with underclass college nights and mentor juniors in their searches as they finish their own college process, while juniors will receive the preparation tools necessary to begin their college search. While class time will be available on a regular basis, there will be some flexibility for independent study and all instruction will be tailored to each student’ s post-Roeper goals. This class provides a unique opportunity for significant coordination of college/career plans and will be given full recognition on your transcript.

COURSE NAME: GEORGE ROEPER SENIOR PROJECT

SEMESTER: Full year course

The Purpose: The George Roeper Senior Project is to offer opportunities to those who have been here the longest and accomplished the most to put the philosophy to work as a sincere expression of who they are, what they stand for, and what they care about. The project creates space and time for seniors to explore how the core values of the philosophy have impacted who they have become and to act in accordance with that philosophy in order to fully realize its expression in changing the world for the better for others. One of the truest tests of education is whether one can imagine, design, act, reflect, and assess in an independent, interdependent, self-directed, principled, and effective way.

The Process and Sample Timeline: Summer - Read the philosophy and write a reflective essay on how the philosophy has positively informed and influenced your life. September & October - Brainstorm ideas for how you would propose to put the Philosophy to work. November - Submit an initial proposal of your idea. January -Submit revised proposal with a daily/weekly project schedule adjusted with Second semester courses, extracurricular commitments, A.P. exams and team schedules. March - Submit final proposal with description of project and purposes, signatures of parents, advisors, off-campus supervisor/mentor, criteria for evaluation, and schedule of hours per week. May - Final faculty/administrative approval of Project. May-June - Presentations.

ACADEMIC STRATEGIES

This is offered to all students in grades 6th through 12th on an independent study basis. It involves study strategies, note taking, discovering ones learning style, and/or test taking strategies, etc. The goal is to create an independent learner.

COMMUNITY SERVICE

One of the goals of the Roeper philosophy is to create a student that can make a difference in any part of the world - whether working with the Peace Corps, feeding the hungry, or photocopying for teachers - if he or she puts his or her mind to it. The real value of working for others is derived from an appreciation of and respect for the importance of each individual. Serving others, formalizing that other people are important, is essential in developing a clear sense of one's own unique identity. The necessary relationship between individual needs and the needs of the community is at the center of our school's system of beliefs.

GUIDELINES FOR COMMUNITY SERVICE

1. The work must benefit other people.
2. The student cannot be compensated for his/her efforts (e.g., food, money, awards)
3. Service done as a member of another organization cannot count for Roeper School community service.

All hours of community service will be noted on the transcript and any details about the nature of the work will be kept in the student' s records. A *Community Service Registration* form must be completed by the student, his/her parents and the person supervising the service.

Forms may be obtained from the Student Life Coordinator.

UPPER SCHOOL COURSES

	GRADE 9		GRADE 10		GRADE 11		GRADE 12	
	Fall Semester	Spring Semester	Fall Semester	Spring Semester	Fall Semester	Spring Semester	Fall Semester	Spring Semester
ENGLISH								
MATH								
SCIENCE								
SOCIAL STUDIES								
FOREIGN LANGUAGES								
COMMUNICATIONS								
COMPUTER								
FINE ARTS								
P.E.								
HEALTH								
OTHER								

THE ROEPER SCHOOL

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248/203-7300

LOWER SCHOOL

2190 NORTH WOODWARD * BLOOMFIELD HILLS, MI 48304
248/203-7330

MIDDLE/UPPER SCHOOL

1051 OAKLAND AVENUE * BIRMINGHAM, MI 48009
248/203-7448

WWW.ROEPER.ORG