

# Ubah Medical Academy



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# 2008-2009

High School Profile & Course Planning Guide

**Prepare for your future!**

# Ubah Medical Academy

Course Guide 2007-2008

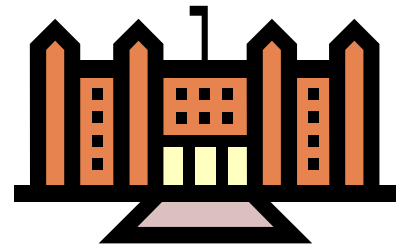
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## **We create the environment, you create the possibilities.**

Work ready, career bound—that is what Ubah Medical Academy is all about. Ubah Medical Academy has just under 300 students in grades 9-12. We offer more than the usual high school education. Students learn skills that are valued by future employers, such as decision-making, critical thinking, problem solving, effective communication, and successful management of time, and resources. We teach values necessary to be successful in the work world: loyalty, dependability, perseverance, and how to be a team player.

## **Mission:**

The mission of Ubah Medical Academy is to provide students with a rigorous education that will prepare them for college and the pursuit of medical or other meaningful careers in our community. As a public charter high school, Ubah Medical Academy is open to all students, but our program is inclusively designed to meet the unique needs international students and their families have in a culturally sensitive environment.



## Registration and Planning Guide Overview

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This guide has been prepared to help you understand the curriculum offerings as well as State of Minnesota Graduation Requirements.

**As you look ahead to your academic plan, be sure you know:**

1. Graduation Requirements – both State and Ubah
2. Number of credits that you will have at the end of the school year.
3. Which courses are “required” and which are “electives”
4. Prerequisites for courses you select.
5. That failure of “required” courses must be made up.

In today’s world of change and rapid advancement, it is critical for you to carefully plan your educational program for the following years. Many of the following questions need to be considered in order for you to successfully plan your future.

- What type of career do I wish to follow?
- What are my strengths and weaknesses?
- What post-secondary training is necessary?
- Will I need to go to college or a vocational/technical institute?
- What educational training or opportunity is available to me in high school?
- What type of world do I want to live in?
- What is my level of dedication?



“A sound education, like character, is made up of many important Elements. If you are negligent in laying its foundation, you cannot hope to escape the consequences of such shortsightedness.”

# UMA Requirements for Graduation

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## Minnesota Basic Skills Tests & MN Comprehensive Assessments

- Students must pass Basic Skills Tests in reading, mathematics, and writing. Passing the BSTs in reading and mathematics is defined by the state as scoring 600 or better. Passing the BST for writing is defined by the state as scoring 3 or better.
- Starting with the class of 2010 the BSTs will be replaced by the MCAs.

## MN State Content Standards

- Content standards are placed in selected high school courses and performance assessments have been developed by teachers locally to assess student performance on each standard.
- Because the content standards are built into the specific courses, when you pass the course, you pass the content standard.

## Ubah Medical Academy Graduation Requirements (Semester Credits)

Language Arts	8 credits	}	<b>36 REQUIRED Credits</b>
Social Studies	7 credits		
Mathematics	6 credits		
Science	6 credits		
Health Science	3 credits		
Physical Education	2 credits		
Health	2 credits		
Fine Arts	2 credits		
Electives	7 credits		
=		<b>43 Total Credits</b>	

Note: (These Graduation Requirements reflect the status for students starting with UMA in 9<sup>th</sup> grade. Students starting in grades 10, 11, and 12 will have their credits individually evaluated by the guidance counselor.)

Total Credits Needed For Graduation = 43 Semester Credits

\*Students can earn 12 credits per year at Ubah Medical Academy. Every time you pass a class for the semester, you earn a credit. Remember....**ATTENDANCE affects your grades & credits!**



**It's important to note that to be eligible to graduate you need NOT ONLY 43 credits, BUT ALSO the right combination of credits! For example, you might have 48 credits, but if you don't have 4 years of English, or the right Social Studies classes, you are not eligible to graduate.**

# College Admission Requirements

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## University of Minnesota and Minnesota State Universities

The following requirements are generally accepted as universal requirements for college entrance. Please check specific colleges for specific requirements.

- Four years of English, with emphasis on writing, including instruction in reading and speaking skills, plus American Literature & World Literature
- Three years of mathematics, including one year each of Algebra I, Geometry, and Algebra II
- Three years of science, including one year each of biological and physical science and including laboratory experience
- Three to four years of social studies, including Geography, Government, U.S. History, World History, and Economics
- Two years of a single second language
- One year of visual and/or performing arts, including instruction in the history and interpretation of the art form (e.g. theater arts, music, band, chorus, orchestra, drawing, painting, photography, graphic design)

## Admission Tests

The two tests that may be required for college admission are the ACT and the SAT, although the ACT is most commonly used.

Students may take the ACT and SAT as juniors or seniors. ACT tests are given in October, April, and June. Juniors should wait until the 2<sup>nd</sup> semester to take the ACT.

## Community Colleges

Community colleges require no tests for admission except for specific fields of study (example: Nursing). These colleges generally accept all applicants who have a GED or high school diploma.

## Vocational-Technical School Information

If you plan to attend a Vocational-Technical College, the following suggestions may be helpful:

- Select high school courses that will give you a basic background in your area of interest.
- Maintain good grades and attendance in high school. Entrance requirements may be based on achievement, aptitude, interest and attendance.



## Ubah Medical Academy Grading Scale

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All courses at Ubah Medical Academy use the following standard grade scale.

A	93-100
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	63-66
D-	60-62
F	0-59



Some courses are graded on a **Pass/No Credit** basis. These grades will be listed as **P** for Pass or **NC** for No Credit. Examples of courses graded on this system include TA (Teaching Assistant) & Resource Room.

In rare circumstances, a teacher may issue a grade of Incomplete (**I**) if all course materials and books have not been turned in. No credit will be given until all these materials are turned in. If students receive an **I** on their report card or transcript, they should contact their teacher right away.

## **ELL Department for English Language Learners**

Ubah Medical Academy welcomes ELL students and is proud to serve the needs of our ELL community. Incoming students qualify for enrollment in our ELL classes by taking the IPT test. This test measures the level of English acquisition that a student has. It indicates the level of ELL services needed in order for a student to be successful.

Ubah Medical Academy offers 5 levels of ELL classes: Beginner, Advanced Beginner, Intermediate, Advanced, and Transitional. The Beginner and Advanced Beginner levels are for non-English speaking students. Mastering these levels is crucial for academic success. A student must acquire a basic level of English skills in order to enroll in mainstream classes. Students in these classes will earn elective credits.

Once a student has mastered the Beginner ELL classes, he/she will be placed in Intermediate ELL, Advanced ELL, or Transitional ELL depending on the student's English skills. Once in the mainstream program, the student will start to take graduation required classes, such as American Literature, Algebra, Geometry, Geography, US History, Biology, etc. In some instances students are able to skip certain ELL levels depending on their English skills which are measured in the IPT test.

# 2007-2008 Courses

## ***Language Arts***

### ***Required Courses***

#### **EN100 English I**

**REQUIRED**

**Prerequisites**

**Open To:** 9

**Length:** One year -2 credits

This course is designed for 9th grade students. Semester One's theme is "Life Journeys". Semester Two's theme is "Developing Tolerance/Fighting Intolerance." The course is structured as an introduction to the conventions and terms of different literary genres, including the epic (The Odyssey), short stories, drama (Shakespeare's Merchant of Venice), and the novel (To Kill a Mockingbird). Writing in this course will focus on expository essays, including developing arguable thesis statements, paragraphing, development of detail and strengthening of vocabulary, grammar and punctuation conventions. This course will help prepare students for the MCA-II test in Written Composition. Research in this course will focus on interviewing skills and incorporating quotes and paraphrases into paragraphs. This is accomplished in the Elders Project that follows The Odyssey. Speaking in this course will include basic speech structure, small group dynamics and students will have to present a five minute informative speech with a visual aid.

#### **EN200 English II**

**REQUIRED**

**Prerequisites:** English I

**Open To:** 10

**Length:** One year -2 credits

The theme of the literature and writing in English II is "Cultures in Contact." Students will explore questions of cultural assimilation and cultural continuance throughout the course. The major works of literature examined in this course are The Journey of Ibn Fattouma by Naguib Mahfouz, Things Fall Apart by Chinua Achebe, and The Director and Other Stories from Morocco by Leila Abouzaid. Writing in this course will include an emphasis on the 6 + 1 Traits of Good Writing. Students will respond to literature through both personal writing and formal analysis. Research in this course will include source evaluation and bias assessment as students write a formal research paper using MLA citations and nonfiction internet sources. These skills will help students prepare for the MCA II and GRAD test in Reading. Students will also study logical fallacies and advertising claims in a Media Studies unit. Speaking in this course will include class discussion, small group discussions and presentations of research.

## **EN300 American Literature**

**REQUIRED**

**Prerequisites:** English I & II

**Open To:** 11

**Length:** One year -2 credits

The course is structured chronologically. First semester includes a review of literary genres and literature from pre-European contact in North America through the Transcendentalists of early 19th century. Second Semester includes the Realism movement of late 19th century through the first half of the 20th century. Writing in this course will include a personal essay appropriate for college application statements in first semester and formal literary analysis of poetry in second semester. The texts for this course are: EMC Paradigm "The American Experience" (anthology); The Old Man and the Sea by Ernest Hemingway or The Great Gatsby by F. Scott Fitzgerald (novel); A Raisin in the Sun by Lorraine Hansberry or Death of a Salesman by Arthur Miller (drama). Students will respond to literature through both personal writing and formal analysis. Speaking in this course will include class discussion, small group discussions and both individual and group presentations of literary analysis.

## **EN400 World Literature**

**REQUIRED**

**Prerequisites:** English I, Eng II, & American Literature

**Open To:** 12

**Length:** One year - 2 credits

World Literature is a survey of the best literature of the world from the beginning of recorded history to the present. The course will include units of world myths and folk tales, reading from African, Ancient Middle Eastern, Greek, Roman, Indian, Chinese, Japanese, Persian, Arabic, Old English, and other literatures.

## ***Language Arts***

### ***Elective Courses***

#### **EN600 Writing for Publication**

**Prerequisites:** Eng I & II  
**Open To:** 10-12  
**Length:** One semester -1 credit

Writing for Publication provides English-proficient students with one semester of elective English credit. Students will write regularly and for a variety of real-world purposes and audiences, and improve their ability to write with fluency, clarity and correctness. Reading assignments, class discussions and analyzing others' writing will support student learning.

The reading and writing in this class will center around journalistic concerns. In our work, students will have opportunities to reflect on the role of news media in our society. By the end of the semester, students will have written papers in which they describe, analyze critique, argue for or against, and report on research they have conducted. The overall goal of this course is to develop the skills needed for effective communication for varied audiences.

#### **EN900 Communications**

**Prerequisites:** Eng I & II  
**Open To:** 10-12  
**Length:** One semester -1 credit

Communications Class will be focused on all aspects of communication including small group dynamics, public speaking, and effective listening. Students will be graded on active participation as speakers as well as listeners. For this reason, consistent attendance is crucial. Although the emphasis of the class is on class participation, students will be expected to produce written work as well. Students will use textbooks as well as curriculum used for Toastmasters, a civic organization devoted to promoting effective communication.

## EN500 College in the Schools-Writing

**Prerequisites:** Eng I & II, Pass Grad/MCA Reading & Writing, instructor approval  
**Open To:** 11-12  
**Length:** One semester -1 credit

WRIT 1201: (Writing Studio) introduces students to basic writing strategies needed for college-level courses. Students practice writing frequently and get regular feedback from the instructor. The class includes opportunities to write both in class and outside of class. Class activities also include discussing assigned readings, responding to other students' writing, and various activities designed to help you think critically about your writing.

The reading and writing in this class focus on the topic of education. During the course, students write papers which describe their educational experiences, analyze the experiences of others, critique ideas of educational reformers, argue for or against recommendations for educational reform, and report on research they have conducted.

This course is taught on the Ubah Medical Academy campus, but students are enrolled as University of Minnesota non-degree-seeking students. Students earn both high school credit and college credit upon successful completion of this course.

## EN505 College in the Schools-Literature

**Prerequisites:** Eng I & II, Pass Grad/MCA, Reading & Writing, instructor approval  
**Open To:** 11-12  
**Length:** One semester -1 credit

This class is a University of Minnesota course and is offered for high school students who have demonstrated exceptional abilities in reading and writing. This course is nearly identical to those taught on campus. In this semester, students read six to eight stimulating books of 20th and 21st Century fiction, ranging from the traditional to the unconventional, by authors such as Toni Morrison, Dai Sijie, and Tim O'Brien, as well as supplementary poetry and short stories.

Through intensive, close reading of a range of literary works, students will understand diverse experiences, languages, and forms, and genres. They will also find it necessary to understand knowledge in various fields (history, art, literature, music, politics, and philosophy) and social practices (gender, race, sexuality, and class, and more) in order to understand the basic "facts" of literary works. These are discoveries which they will make through the guidance of the instructor, the other students, and themselves. If the course is successful for students, they will have participated actively in personal reading (assigned and "discovered"), class lectures (listening), class discussions, small discussions (with other students, or with the instructor), asking questions, and analyzing the works closely. In the end they will gain an awareness of themselves, other cultures, other individuals; they will gain an ability to think critically and to express themselves orally and in writing; they will gain aesthetic sensitivity; they will acquire or further develop their intellectual curiosity, and perhaps be challenged by the remarkable range of knowledge available through literature.

Major Texts: *The Awakening* by Kate Chopin, *The Kite Runner* by Khaled Hosseini, *Shell Shaker* by LeAnne Howe, *Sula* by Toni Morrison, *The Things They Carried* by Tim O'Brien, *Persepolis* by Marjane Satrapi, *Balzac and the Little Chinese Seamstress* by Dai Sijie, *A Place Where the Sea Remembers* by Sandra Benitez.

## **ssxxx Creative Writing**

**Prerequisites:** English I  
**Open To:** 9-12  
**Length:** One semester -1 credit

This class will enable students to learn various forms of creative writing through the examination of a variety of genres. Students will also create their own works in order to improve their creative writing. Forms of writing that students will examine/employ will include: poetry, narrative writing, descriptive writing, comic writing, stream of consciousness, character sketches, etc.

## **AC100 Accelerated Reading**

**REQUIRED**

**Prerequisites:**  
**Open To:** 9-12  
**Length:** One semester -.5 credit

This course focuses on reading comprehension. Students will take a test called the STAR test to determine their current reading level. Once their level is determined, students will choose coded books from the library at their level. Upon finishing the book, students will take a reading comprehension quiz. After students score proficiently on consecutive comprehension quizzes, they will move to the next reading level. The goal is for students to work towards reading proficiently at grade level or higher. Because students are able to choose any book from their level, we hope this program will also help our students discover a joy for reading.

## **Social Studies**

### *Required Courses*

#### **ss100 Geography**

**REQUIRED**

**Prerequisites:**

**Open To:** 9-12

**Length:** One semester - 1 credit

Geography is the science of space and place on Earth's surface. We will learn the changing patterns of places in words, maps, numbers and graphics, and explain how these patterns come to be. We will be attempting to have students gain an understanding of the spatial context of people, places and environments on Earth. We will learn where important things are, why they are located in those places and the significance of the location patterns of the world. Furthermore, learning the nature and significance of multiple connections between people and places around the world

#### **ss200 U.S. History**

**REQUIRED**

**Prerequisites:**

**Open To:** 11-12

**Length:** One year -2 credits

This class will study the political, economic and social developments in the United States. Students will focus on three major themes. One is the challenge of balancing unity and diversity in forging a single nation from many cultures and races. Two, our nation's effort to shape a democratic government based on the ideals of liberty, equality and justice; the rights and duties of U.S. Citizenship will also be discussed. Lastly, is the challenge of fulfilling the promise of economic opportunity for all American's and the role of business in society.

#### **ss300 World History**

**REQUIRED**

**Prerequisites:**

**Open To:** 10-12

**Length:** One year- 2 credits

A study of ancient civilizations of South and East Asia, Africa, Rome Greece and others, to examine their role in the accomplishments of future civilizations. Major events including the Scientific, Glorious Revolutions and the Reformation will be examined to determine their impact.

## **SS400 Economics**

**REQUIRED**

**Prerequisites:**

**Open To:** 11-12

**Length:** One semester - 1 credit

In this course we will look at how people coordinate their wants and desires, given scarce resources and the decision-making mechanisms, social customs, and political realities of their societies. We will look at decisions made by consumers, workers, investors, managers, and government officials interacting to determine the allocation of scarce resources.

## **SS150 Government**

**REQUIRED**

**Prerequisites:**

**Open To:** 9-12

**Length:** One semester - 1 credit

In this course, we will be learning the foundations of our government, starting with the Constitution. We will learn about the 3 branches of government and how they function at the federal and state levels. We will also focus on the skills needed for informed, responsible, participation in public life. We will also spend time looking at the political processes and structures of government, grounded in the understanding of constitutional government under the rule of law.

## ***Social Studies***

### *Elective Courses*

#### **ssxxx Current Events**

**Prerequisites:**

**Open To:** 9,10,11,12

**Length:** One semester - 1 credit

This course deals with current political and social events. Students will be discussing “what’s happening now” and relating it to what’s happened before and what might happen later. Reading the newspaper(s), and watching (informative) T.V. programs is a must.

#### **ssxxx Psychology**

**Prerequisites:**

**Open To:** 10-12

**Length:** One semester -1 credit

In this course we will be looking at the following topics in Psychology: introduction and research methods, biological bases of behavior, sensation and perception, motivation and emotion, stress, coping, and health, life span development, personality and assessment, learning, memory, thinking and language, states of consciousness, individual differences, psychological disorders, treatment of psychological disorders, and social and cultural dimensions of behavior.

#### **ss900 African Studies**

**Prerequisites:**

**Open To:** 9 -12

**Length:** One semester -1 credit

African Studies will cover Africa from many perspectives including: history, geography, ethnic groups, religion, philosophy, arts and literature, government, economic systems, international relations and contemporary issues.

## **Science**

### *Required Courses*

#### **sc100 Integrated Science**

**REQUIRED**

**Prerequisites:** none  
**Open To:** 9  
**Length:** One year - 2 credits

Integrated science offers an introduction and background in many areas of science. Students will investigate Earth Science (geology and the universe), Chemistry (atoms, elements, periodic table) and Physics (motion, forces, light, electricity, magnetism, machines).

#### **sc200 Biology**

**REQUIRED**

**Prerequisites:** Integrated Sciences  
**Open To:** 10 -12  
**Length:** One year - 2 credits

Biology is the study of living things. This course focuses on the characteristics of living things; their structure and chemistry; the way they obtain food for energy; how they obtain the materials they need; the diversity of living things; how living things are classified; and how living things grow, reproduce, and develop. Students will also learn how organisms have changed over time. This course includes laboratory work and related hands-on activities. Students will learn to take notes, write lab reports, collect and analyze data and give presentations.

#### **sc300 Chemistry**

**REQUIRED**

**Prerequisites:** Biology  
**Open To:** 10 -12  
**Length:** One year - 2 credits

Chemistry is a way of studying matter. Class topics include lab safety, atoms, reactions, energy, the periodic table, bonding, and more. Students will also learn from first-hand experience in the laboratory.

## SC400 Physics

**REQUIRED**

**Prerequisites:** Biology, Algebra  
**Open To:** 11-12  
**Length:** One year - 2 credits

Physics is an area of science that explores the nature of basic things such as motion, forces, energy, matter, heat, sound, and light. It is a fascinating subject because the more you learn, the more you realize how complex even the simplest action or object is. Math application is an important tool to understand physics.

## sc900 Science Application

**Prerequisites:**  
**Open To:** 9-10  
**Length:** One semester- 1 credit

Science Applications is a basic math skills course that teaches skills to be used in future science classes. Some topics covered are: understanding graphs, measuring, estimating, factor-label method, conversions, and rearranging equations.

**Science**  
*Elective Courses*

**sc905 Anatomy and Physiology**

**Prerequisites:** Biology  
**Open To:** 11-12  
**Length:** One year - 2 credits

Anatomy & Physiology is designed for students to investigate the organization, structure, and functions of the human body systems. This class is designed to be a college prep course that will be especially helpful for students pursuing degrees in medicine and science.

# **Mathematics**

## *Required Courses*

### **MA100 Algebra 1**

**REQUIRED**

**Prerequisites:** Pre-Algebra

**Open To:** 9-10

**Length:** One year- 2 credits

The concepts presented in this course are important for the development of mathematical literacy in our world. Students link real world examples to the basic algebraic and statistics concepts that all student should master. Students will start off with a review of what they learned the previous year. Pupils will work on proven algebra concepts like:  $ax + b = c$ , learning key terminology so they can understand and start using the language of math. Some, but not all, of the topics they will work on are: law of exponents, reciprocals, inverse variation. Students will work on the coordinate plane, know how to graph linear equations and functions. Towards the end of the year, pupils will work with quadratic equations and know what its graph looks like.

### **MA200 Geometry**

**REQUIRED**

**Prerequisites:** Algebra

**Open To:** 9 - 12

**Length:** One year - 2 credits

This course covers the geometric terms and processes, logic and problem solving. It includes topics such as parallel line and planes, congruent triangles, inequalities, quadrilaterals and transformations. Various forms of proof are studied. Emphasis is placed upon reasoning and problem solving skills gained through study of similarity, areas, volumes, circles, Pythagorean Theorem, and coordinate geometry.

### **MA300 Algebra II**

**REQUIRED**

**Prerequisites:** Algebra & Geometry

**Open To:** 11-12

**Length:** One year - 2 credits

Algebra II covers basic mathematical operations, fractions, operations on Integers including positive and negative numbers, variables and terms and expressions. In addition, the course covers direct and indirect variations as well as joint variations. Students will learn how to interpret real life problems into mathematical equations and solve them. Students will also learn how to graph equations of straight lines and interpret the meaning of the graph. Furthermore, students will learn how to write an equation of a line in three different forms. Later on, students will learn how to solve system of linear equations. Algebra II also covers the quadratic equations and how to solve them. In other words students will learn the square roots and how to extract them. Students will learn about functions, Algebraic expressions, and multiplying and dividing rational expressions in addition to adding and subtracting rational expressions. While learning all these topics, students learn how to apply this knowledge to real life situations using modeling and real life problems.

# **Mathematics**

## *Elective Courses*

### **MA905 Probability & Statistics**

**Prerequisites:** Algebra I, Algebra II, & Geometry  
**Open To:** 11-12  
**Length:** One semester - 1 credit

Statistics is the science of collecting, organizing, analyzing, and interpreting data in order to make decision. The course covers such topics as the following topics: Measures of central tendency, Mean (Average), Median, Mode, Quartiles, and Range, Graphical Representation of Data, Line Plot, Bar Graph, Stem-and-leaf Plot, Graphs (Pie Chart), Line Graphs, Random Samples, Scatter Plots and Trends, Variances and Standard Deviation, Percentile, Probability, and Binomial Probabilities.

### **MA400 Pre-Calc/Trig**

**Prerequisites:** Geometry with Trig and Algebra II  
**Open To:** 11-12  
**Length:** One semester – 1 credit

Learning pre-calculus is not the same as learning arithmetic, algebra, and geometry. In those subjects, students learn primarily how to calculate with numbers, how to simplify algebraic expressions and calculate variables, and how to reason about points and lines, and figures in the plane. Pre-calculus involves those techniques and skills but develops others as well, with greater precision and at a deeper level. Pre-calculus covers the study of trigonometric and circular functions, their inverses, graphs, and applications. This course will emphasize the study of polynomial, logarithmic, and exponential functions in addition to some basic ideas of differential and integral calculus.

### **MA050 Pre-Algebra**

**Prerequisites:**  
**Open To:** 9  
**Length:** One year – 1 credit

In pre-algebra, students will start out reviewing simple math concepts like adding and subtracting like and unlike fractions. From here, pupils will move on to decimals, and positive and negative numbers. They will work on math word problems that will help them with the MCAs for knowing how to recognize key words in a sentence and what strategies to use. Afterwards, students will do measurements, patterns recognition and later move on to simple algebra concepts using variables.

## ***Fine Arts*      (One Year Required/Rest are electives)**

### **AR105 Drawing I**

**Prerequisites:**

**Open To:** 9-12

**Length:** one semester- 1 credit

In Drawing I, we will balance breadth and depth to explore drawing with various techniques and materials. We will spend most of our class time making our own drawings, but will also investigate alternative sources to augment and enhance the content of the course. We will be drawing, discussing drawing, reading about drawing, and even writing about drawing and art. Art relates to all aspects of life. Therefore, our areas of study are limitless! We will be adding to our portfolios throughout the semester.

### **AR110 Drawing II**

**Prerequisites:**

**Open To:** 9-12

**Length:** one semester- 1 credit

In Drawing II we take drawing to the next level and continue to build portfolios.

### **AR130 Media Arts**

**Prerequisites:**

**Open To:** 9-12

**Length:** one semester- 1 credit

In Media Arts, we will be focusing on the creative use of technology. We will be making art, discussing art, reading about art, and even writing about art, mostly as it relates to modern technology. Topics include, but are not limited to digital imagery, digital photography, video, audio, and web design/interactivity. We will be investigating these topics through consideration of others' works as well as production of our own. We will be experiencing a variety of work, adding to our portfolios throughout the semester.

## **AR115 Art History**

**Prerequisites:**

**Open To:** 9-12

**Length:** one semester- 1 credit

In Art History I, we will balance breadth and depth to explore art from many places and times. We will be using the text, "Understanding Art" from McGraw-Hill/Glencoe, but will also utilize alternative/outside resources to augment and enhance the content of the course. This semester, we will be making art, discussing art, reading about art, and even writing about art. Art relates to all aspects of life. By studying art history, we will be studying people and cultures from many places and times.

## **AR100 Art I**

**Prerequisites:**

**Open To:** 9-12

**Length:** one semester- 1 credit

In Art 1 students will work on various projects to get a wide range of experiences in the visual arts. We will be making art, discussing art, reading about art, and even writing about art. Art relates to all aspects of life. Therefore, our areas of study are limitless! We will be adding to our portfolios throughout the semester.

## **AR150 Digital Photography**

**Prerequisites:**

**Open To:** 9-12

**Length:** One semester - 1 credit

This course will develop your creativity and show you how to use digital imaging to produce astonishing images. We will discuss the workings of the camera, learn the controls and functions as well as master techniques that will produce better pictures. We will explore transferring images from camera to computer to the World Wide Web. The course work and exercises are designed for you to get a hands-on tour of the camera's features, learning technical terms as you go. In each exercise, you will discover your camera's potential by practicing classic shot techniques. Finally, you'll learn how to manage your digital assets, by editing, printing, and archiving images.

# ***Health & Physical Education***

## ***Required Courses***

### **PE100 Fall Sports**

**REQUIRED**

**Prerequisites:**

**Open To:** 9-12

**Length:** One semester - 1 credit

PE classes include units in both individual and team sports. We play a variety of games along with the units of sports. A minimum of 8 different sports are taught throughout the semester. Students also complete fitness testing in class and work on their own to improve a variety of fitness activities, with special emphasis on abdominal/core work. Progress is tracked throughout the semester. The final in this class is related to fitness testing.

The vision is that students in this class will become Physically Educated by achieving the following standards:

(1) Demonstrate competency in motor skills and movement patterns needed to perform a variety of physical activities, participates regularly in physical activities, achieves and maintains a health enhancing level of fitness, values physical activity for health, enjoyment, challenge, self-expression and/or social interaction, exhibits responsible personal and social behavior that respects self and others in physical activity settings. The format for this class will be in theory, history, and philosophy of sports, games and lifetime fitness.

### **PE150 Spring Sports**

**REQUIRED**

**Prerequisites:**

**Open To:** 9-12

**Length:** One semester - 1 credit

PE classes include units in both individual and team sports. We play a variety of games along with the units of sports. A minimum of 8 different sports are taught throughout the semester. Students also complete fitness testing in class and work on their own to improve a variety of fitness activities, with special emphasis on abdominal/core work. Progress is tracked throughout the semester. The final in this class is related to fitness testing.

The vision is that students in this class will become Physically Educated by achieving the following standards:

(1) Demonstrate competency in motor skills and movement patterns needed to perform a variety of physical activities, participates regularly in physical activities, achieves and maintains a health enhancing level of fitness, values physical activity for health, enjoyment, challenge, self-expression and/or social interaction, exhibits responsible personal and social behavior that respects self and others in physical activity settings. The format for this class will be in theory, history, and philosophy of sports, games and lifetime fitness.

## **HL100 Health I**

**REQUIRED**

**Prerequisites:**

**Open To:** 9-12

**Length:** One semester -1 credit

Health I is a semester long class that introduces the concept of decision making related to healthy choices. Using decision making as a basis for most units, students will explore the following topics related to health and wellness: Nutrition, personal and social health, drugs/alcohol/tobacco, communicable vs. non-communicable diseases, time management, and stress. This course includes a variety of learning experiences including reading comprehension of textbooks, magazines, and novels, as well as lecture, group work, discussions, and internet research.

## **HL200 Health II**

**REQUIRED**

**Prerequisites:**

**Open To:** 9-12

**Length:** One semester -1 credit

Health II is a semester long class that expands on the concept of decision making related to healthy choices. It is recommended that Health 1 be completed before Health 2, but not required. Some of the units in Health II are an expansion of the units in Health I, such as mental and intellectual health, a closer look at specific diseases, and drugs, alcohol, and tobacco. Other units covered include consumer health and the reproductive system. A portion of this class is also dedicated to review of some body systems in preparation for the MCA science test. This course also includes a variety of learning experiences including reading comprehension of textbooks, magazines, and novels, as well as lecture, group work, discussions, and internet research.

## *Health Science*

**REQUIRED**

## **HLXXX Intro to Body Systems**

**Prerequisites:**

**Open To:** 9-12

**Length:** One semester -1 credit

Introduction to Body Systems (Health Science I) is a semester long class, in which we cover the major systems of the body. With each system, you will learn about the function (job) of the system, the major organs and the functions (jobs) of the major organs. This is a class that requires a lot of memorization and recognition of body parts in scientific terminology.

## **HL900 First Aid/CPR**

**REQUIRED**

**Prerequisites:**

**Open To:** 9-12

**Length:** One semester -1 credit

In First Aid and CPR (Health Science II) we will review the function of the cardiovascular and respiratory systems and apply our knowledge to learn how to give care to adults and children in emergency situations. We will use the curriculum provided by the American Red Cross. If you successfully complete the skills and paperwork, you should be certified by the American Red Cross in Adult, Child, and Infant CPR, Adult AED, and First Aid.

## **HL905 Careers**

**REQUIRED**

**Prerequisites:**

**Open To:** 9-12

**Length:** One semester -1 credit

Careers (Health Science III) is a class that meets the medical career mission of Ubah. Although students are not required to complete their job shadows and career research projects in a field related to medicine, much of the curriculum is centered on the medical profession. Those two projects (job shadowing and career research) make up a majority of the class. Other units that are covered include job skills, career planning, environmental health, and completing resumes, cover letters, and applications. Students also learn vocabulary related to medicine and the work environment.

## ***World Languages***

### ***Elective Courses***

#### **FL100 Arabic 1**

**Prerequisites:**

**Open To:** 9-12

**Length:** One year - 2 credits

Arabic 1 is an introduction to basic language skills including reading, speaking, writing, and listening. Cultural aspects of daily life in Arabic speaking countries—the home, school, leisure activities, etc. are also studied and discussed. Much emphasis is placed on listening and speaking skills. Students will use the language they are acquiring in dialogues, and daily activities.

This class is designed for people with no knowledge of the language. By the end of the course the students will be able to communicate in very basic everyday-life situations, including greetings, daily activities, finding your way, telling the time and date, making simple purchases, and ordering a meal.

#### **FL200 Arabic II**

**Prerequisites:** Arabic 1

**Open To:** 9-12

**Length:** One year - 2 credits

Arabic II will teach a student how to communicate verbally on everyday matters, including personal and family information, shopping, dealing with simple health problems, housing, free time, and job-related issues. Students will be able to deal with simple written texts such as emails and letters and have an increased awareness of (language-speaking) life, culture and society.

## **ELL CLASSES**

### **EL105 Beginner ELL Reading**

**Prerequisites:** IPT Exam

**Open To:** 9-10

**Length:** One year -2 credits

In this class students will work on all parts of English language proficiency. The class will emphasize English reading skills. Students improve their English vocabulary and reading skills through use of the books Before Book One, Sounds Easy, Fast Track Phonics, and True Stories in the News. Using these books, students will work on English letter recognition, phonemic awareness, and eventually move on to reading texts of greater and greater complexity.

### **EL100 Beginner ELL Writing**

**Prerequisites:** IPT Exam

**Open To:** 9-10

**Length:** One year -2 credits

Beginner Writing teaches students the written skills necessary to get by in the English speaking world. Some of the major topics covered in class include: writing personal information (name, address, phone number, etc), writing lists, punctuation, spelling of high-frequency words and writing to communicate ideas, feelings, preferences and needs.

### **EL110 Beginner ELL Math**

**Prerequisites:** IPT Exam

**Open To:** 9-10

**Length:** One year -2 credits

Beginner ELL Math is designed for newcomer students. This course focuses on teaching basic math skills through the English language. Addition, subtraction, multiplication, division and fractions will be covered in this course, and extensive work will be done on money and telling time. English reading, writing, speaking and listening skills will be enhanced by coursework.

## **EL115 Beginner ELL Social Studies**

**Prerequisites:** IPT Exam

**Open To:** 9-10

**Length:** One year -2 credits

This course introduces students who are new to English to social studies concepts. Through lessons about the school, our local, national and global surroundings – we focus on developing English reading, writing, speaking and listening skills. During this class, students work with many manipulatives that provide real-life experiences. Students are also familiarized with all of the processes and procedures that they need to have to be successful in a school environment.

## **EL125 Beginner Science**

**Prerequisites:** IPT Exam

**Open To:** 9-10

**Length:** One year -2 credits

In ELL Beginner Science students develop and expand beginning science skills through reading, writing, listening and speaking in the science content area. Students will study the vocabulary associated with plants, animals, the weather, the earth, and physical science.

## **EL155 Advanced Beginner ELL Reading**

**Prerequisites:** IPT Exam

**Open To:** 9-10

**Length:** One year -2 credits

In this class we work on all parts of English language proficiency. We emphasize English reading skills. The students improve their English vocabulary and reading skills through thematic units, True Stories in the News worksheets, the Rosetta Stone computer program, and the reading of several short novels.

## **EL150 Advanced Beginner ELL Writing**

**Prerequisites:** IPT Exam

**Open To:** 9-10

**Length:** One year -2 credits

In this class we work on all parts of English language proficiency. We emphasize English writing and grammar. Students learn study skills that will help them improve their English on their own and in other contexts. For example, they learn dictionary skills and how to learn new words while reading. In this class the students study thematic units and our grammar text. They also regularly write journal entries and take spelling tests.

## **MA050 Advanced Beginner ELL Math (Pre-Algebra)**

**Prerequisites:** IPT Exam

**Open To:** 9-10

**Length:** One year -2 credits

In pre-algebra, students will start out reviewing simple math concepts like adding and subtracting like and unlike fractions. From here, pupils will move on to decimals, and positive and negative numbers. They will work on math word problems that will help them with the MCAs for knowing how to recognize key words in a sentence and what strategies to use. Afterwards, students will do measurements, patterns recognition and later move on to simple algebra concepts using variables.

## **EL165 Advanced Beginner ELL Social Studies**

**Prerequisites:** IPT Exam

**Open To:** 9-10

**Length:** One year -2 credits

Advanced Beginner Social Studies builds on the fundamental social studies skills and vocabulary learned in Beginner Social Studies. Some of the units covered this year include: the community, U.S. geographical regions, world geography and Minnesota history.

## **EL170 Advanced Beginner Science**

**Prerequisites:** IPT Exam  
**Open To:** 9-10  
**Length:** One year -2 credits

ELL Advanced Beginner Science  
To further develop and expand science skills through reading, writing, listening, and speaking science vocabulary and concepts. Students will be introduced to science laboratory skills through hands-on demonstrations and activities.

## **EL205 Intermediate ELL Reading**

**Prerequisites:** IPT Exam  
**Open To:** 9-12  
**Length:** One year -2 credits

This course is an intermediate level course that will prepare students to advance their English skills in reading, writing, speaking and listening. In this course we start by reviewing how to write sentences and decode words, and work our way up to reading novels and writing 5 paragraph essays. Students will learn about and have much practice with the format of the Minnesota Standardized tests that they are required to pass in order to graduate. Students will also develop strategies in reading, writing, speaking and listening that will benefit them in all of their other mainstream classes as well.

## **EL200 Intermediate ELL Writing**

**Prerequisites:** IPT Exam  
**Open To:** 9-12  
**Length:** One year -2 credits

This course is an intermediate level course that will prepare students to advance their English skills in reading, writing, speaking and listening. In this course we start by reviewing how to write sentences and decode words, and work our way up to reading novels and writing 5 paragraph essays. Students will learn about and have much practice with the format of the Minnesota Standardized tests that they are required to pass in order to graduate. Students will also develop strategies in reading, writing, speaking and listening that will benefit them in all of their other mainstream classes as well.

## **EL300 Advanced ELL Writing**

**Prerequisites:** IPT Exam  
**Open To:** 9-12  
**Length:** One year -2 credits

Advanced ELL Writing is an English language course which focuses on writing. Students will write essays and journal weekly to learn how to express and articulate their thoughts and ideas. They will be introduced to basic writing strategies that will aid them in mainstream classes. The purpose of the course is to support the students' writing so that they are able to successfully produce grammatically correct sentences, paragraphs, and essays.

## **EL305 Advanced ELL Reading**

**Prerequisites:** IPT Exam  
**Open To:** 9-12  
**Length:** One year -2 credits

In this course, advanced ELL students will read simplified English literature texts, such as Gulliver's Travels by Jonathan Swift, and The Garden Party by Katherine Mansfield. Extensive reading comprehension support is provided.

## **TR100 Transitional ELL**

**Prerequisites:** IPT Exam  
**Open To:** 9-12  
**Length:** One year -2 credits

Transitional ELL is an English language course which focuses on reading and writing. In reading, students will read a variety of books ranging from fiction to non-fiction. The course emphasizes reading comprehension strategies and vocabulary development. In writing, students will write some essays and journal weekly to learn how to express and articulate their thoughts and ideas. The purpose of the course is to support the students so that they are able to successfully transition to mainstream English classes and become capable readers and writers.