

# Course Catalog — *Arts*

## **A230: How To Start A Fashion Blog**

*Kate Terentieva*

Do you have an unique sense of style and a passion for fashion? Have you been inspired by famous bloggers but don't think you have what it takes? Guess what - you do! Learn from an actual fashion blogger about how to get started, what you really need, how to gain readership, and more! Come with questions and be prepared to brainstorm!

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

**Class is FULL!**

## **A215: Intro to Meditation and Yoga**

*Emily Lytle Parker*

If you enjoy music, sleeping, yoga, meditation, or relaxing, this one's for you. This class aims to introduce basic yoga flow and meditative method in a relaxed, chill environment. This class is friendly to all levels, and is equal parts discussion and practice. Topics such as musical choice for yoga as a tool for success, types of asanas, and benefits of practicing yoga and meditation will be covered.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 12:20pm–1:05pm**

**Sat 11:25am–12:10pm**

**Class is FULL!**

## **A286: Introduction to Digital Manga Art**

*Esther Lee*

Do you want to learn how to draw manga style utilizing various digital programs such as Photoshop and Painttool SAI? This course will provide you with information on suggested digital mediums, various softwares, and design process. There will be demonstration and explanation on how to go from an idea in your head to the final product.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Class is FULL!**

## **A315: Life Drawing & Technique**

*Jess Woods*

Do you like art? Want to learn some more technique? Want to see how a college art class is conducted?

This class will run like a typical college studio class. There will be a short technique run-down, a couple of short "projects"/exercises, and an experimental critique (very low pressure, just so you can see how it works). We will focus on general graphite and charcoal mediums, freeing up hands, stylistic choices, and ways to better draw things from life, from humans to fruit to larger perspectives. Anyone of any skill level is welcome! If there is a large discrepancy between skill levels, exercises can be adjusted, so it shouldn't be high pressure or stressful!

*Open to students grades 9 through 12*

**Sat 10:30am–12:10pm**

**Sat 2:55pm–4:35pm**

**Class is FULL!**

## **A222: What Makes It Great?: A Cinema Survey**

*Isaac Boulter*

The goal of this class is to discover common elements of greatness in various film modes throughout the past century by surveying various scenes from movies and discussing what about them makes them great, mediocre, or downright awful. We will view seven one (1) to five (5) minute clips, and after each one discuss as a class what about it was effective or ineffective. If time allows, at the end we will view clips chosen by the students to discuss.

*Open to students grades 10 through 12*

**Sat 10:30am–12:10pm**

**Sat 2:55pm–4:35pm**

**Class is FULL!**

## **A261: Modern Calligraphy 101**

*Zaina Kuseybi*

Instruction for basic calligraphy skills including brush strokes and styles. Students will be provided with proper equipment and practice sheets.

*Open to students grades 9 through 12*

**Sat 11:25am–12:10pm**

**Sat 12:20pm–1:05pm**

**Sat 2:00pm–2:45pm**

**Sat 2:55pm–3:40pm**

**Class is FULL!**

## **A269: Music as Literature: Nirvana, Coldplay, and Miley Cyrus**

*Anna Shelton*

In this course, we will examine the literary theory behind the powerful lyrics and music of some of the most popular artists in recent history. The three artists that have been chosen cover the past three decades of music. We will use them to have a fun discussion of what we can learn about ourselves and society from their music.

*Open to students grades 10 through 12*

**Sat 11:25am–12:10pm**

**Sat 2:00pm–2:45pm**

**Sat 2:55pm–3:40pm**

## **A214: Learning Music Theory Through Pop**

*Evan Lauterborn*

Students with beginner to intermediate Music Theory experience will get a chance to learn about the theory behind their favorite pop songs. We'll take a look at Justin Bieber, Ed Sheeran and more!

Students who play guitar or piano will particularly enjoy/benefit from this course.

*Open to students grades 9 through 12*

**Sat 12:20pm–1:05pm**

**Class is FULL!**

**A284: Swing Dancing**

*Kristie Stovash*

Whether you've never taken a dance class before, or are just new to swing, this is the class for you! This course will introduce the concepts of leading and following as well as the basic rhythm and turns of Swing. If you have two left feet, don't worry. Swing is all about fun and is easy to learn. We will dance to timeless music and have a blast. You'll leave this class with a new skill that will impress anybody anywhere!

*Open to students grades 9 through 12*

**Sat 12:20pm–1:05pm**

**Class is FULL!**

**A288: The Art of Origami**

*Esther Lee*

A fun casual class where you come and learn how to fold several different origami figures such as animals and flowers. Each figure will be shown step by step with direction as you follow along.

*Open to students grades 9 through 12*

**Sat 12:20pm–1:05pm**

**Class is FULL!**

**A282: Who are you talking to? An Interactive Monologue Workshop.**

*Emma Scags*

Does your stomach drop when you hear an audition will be requiring a prepared monologue? Learn the methods to make your monologue come to life and build confidence in your audition skills in this monologue workshop. Please prepare a short piece (60 - 90 secs) to work with!

*Open to students grades 9 through 12*

**Sat 12:20pm–1:05pm**

**Class is FULL!**

**A242: Bachata and Cumbia Dance**

*Ana Araysa Rivera*

Interested in learning how to dance Latino musi? In this class you will learn the basic steps to Bachata dance originated from Dominican Republic and Cumbia originated in Colombia. We will also practice a small choreography and have fun while dancing and socializing with other students your age. Prepare to move those hips and feel the music in your bones.

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**Sat 2:55pm–3:40pm**

**A291: Swing Dancing for Beginners**

*Wesley Thompson, Katie Rice*

Swing dance is a fun and addicting form of dance that was popularized during Prohibition era in the Jazz clubs of New York. With basic steps and moves, anyone can learn how to dance!

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**Sat 2:55pm–3:40pm**

**Sat 3:50pm–4:35pm**

**Class is FULL!**

**A303: Theatre to Help the World**

*Ruth Allen*

Do you love theatre? Come discuss ways musicals and plays works toward social change. How do the dramatic arts affect LGBTQ+ people, women, people of color, and other marginalized groups? We want you (and your fabulous opinions) to join in this discussion- so please join us!

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**Sat 2:55pm–3:40pm**

# Course Catalog — *Humanities*

## **H304: Analyzing Your High School Experience- Education Policy 101**

*Ruth Allen*

Students will reflect on their own experience as high schoolers to analyze and critique public policy as it relates to education in North Carolina. We will discuss different types of high schools (public/private/charter/magnet) and how they impact students; the achievement gap and how education systems work differently for students of color and low-income students; and what makes a teacher effective. What you have to say is important- so please join us!

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

**Sat 12:20pm–1:05pm**

**Class is FULL!**

## **H306: Arbitration and Entertainment: What's the Deal With TV Courts?**

*Mackenzie Ammann*

Foremost, this course will discuss the arbitative process followed by most television courts. In addition, this course will explore how television courts portray the legal system, and we will discuss the effects this portrayal has on popular culture.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

## **H299: Bioethics: A Discussion of Ethics in Healthcare and Science**

*Vaibhav Shrishail*

A class based on discussion (forum-style) on the ethics of healthcare and science topics.

Topics will include controversial subjects such as abortion, assisted suicide, and doctor-patient confidentiality.

Coming with a stance on these topics to these debates will be helpful but overall, it's most important to keep an open mind with these topics.

*Open to students grades 9 through 12*

**Sat 10:30am–12:10pm**

**Class is FULL!**

## **H266: Journalism**

*Liz Chen*

This course will teach students proper grammar usage, and how to write articles and headlines.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Class is FULL!**

## **H239: Life Writing: Amp Your Diary to the Next Level**

*Smriti Singh*

Each of us have a collection of life narratives - funny, heart-breaking, mundane, surprising memories. But how can we take our biographies and transform them into creatively woven, breathtaking pieces? This is the one time in an English course where YOU get to be the highlight of your written story! Learn how to craft your story by trusting your reader, getting out of your comfort zone, and creating a powerful, lasting tale from your own life.

*Open to students grades 10 through 12*

**Sat 10:30am–12:10pm**

**Sat 2:00pm–3:40pm**

**Class is FULL!**

## **H302: Numismatics: The Study of Coins and Currency**

*Wesley Thompson*

One of the longest lasting forms of human interaction is trade and with it came coins and currency as modes of exchange. From ancient Mesopotamia to the modern United States, coins and currency have existed as the most popular forms of exchange, national and personal expression, and portable forms of art. This class on numismatics will give an overview of the history of these objects, the events which shaped their use, look, and composition, and how they can be preserved.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

**Sat 12:20pm–1:05pm**

## **H244: The Ethics of Star Wars: The Clone Wars**

*Joshua Pontillo*

We will be discussing events and ideas which this children's television show plays upon. We will seek to answer ethical questions that the show brings up both directly and indirectly. This course will be mainly discussion based and will incorporate philosophical topics in a manner pertaining to Star Wars.

*Open to students grades 9 through 12*

**Sat 10:30am–12:10pm**

**Sat 2:55pm–4:35pm**

**Class is FULL!**

## **H318: The Last City-State, Singapore**

*Melvin Soh*

City-States are sovereign entities that consist of a city and its territories. Singapore, the world's only fully-functioning city-state, maintains the 3rd highest GDP per capita in the world and consistently ranks among the world's top 3 in education standards. Its citizens enjoy a high standard of living, compared to other larger Asian countries. However, Singapore is no larger than the size of New York City, yet contains the population size of Colorado within its borders.

What is the secret behind its success? What are the dif-

ferences and similarities between Singapore and the United States? This discussion-based class will look at the challenges that young countries face in developing their citizenry and their status in the world.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

### **H271: Complicating Aid and Intervention: Introduction to Postcolonial Studies**

*Shaun Terry*

We will investigate American involvement in conflicts and humanitarian issues.

Throughout the world, the American government and American organizations intervene to offer assistance to troubled regions. There is a legacy of American reconstruction in post-WWII Europe and Japan, but aid seems to have mostly failed elsewhere. Why is that?

Around the world and throughout literature, there seems to be some consensus about some of the problems; namely, profiteering, globalization, and neoliberal policies have led to outcomes that leave American providers of aid with large sums of money and unfortunate areas of the world with persistent problems and unfulfilled promises.

*Open to students grades 9 through 12*

**Sat 11:25am–12:10pm**

**Sat 12:20pm–1:05pm**

**Sat 2:00pm–2:45pm**

### **H213: Plant Medicine throughout the Americas**

*Logan Pratico*

This course will focus on the power of herbal medicine and its real life applications throughout the Americas in medicine, culture, and every day use. Some topics of discussion will be the various types of medicinal plants, cultural Shamans, and local and global impact of herbal medicine.

*Open to students grades 11 through 12*

**Sat 12:20pm–1:05pm**

**Sat 11:25am–12:10pm**

### **H276: The War on Drugs: The Product of a Misinterpreted Phenomenon**

*Hanna Watson*

This class will focus on the causes of the War on Drugs, an effort by the United States government to thwart the rise in drug use in the late twentieth century, and the influence that governmental actions had on racial and class minorities. Covering the presidencies of Richard Nixon, Ronald Reagan, and beyond, we will analyze the impact of presidential policy on culture and the inverse impact of culture on presidential policy. Together, we'll explore the lingering effects marijuana, crack-cocaine, and inherent bias which still touch our nation today.

*Open to students grades 10 through 12*

**Sat 11:25am–12:10pm**

**Sat 2:00pm–2:45pm**

**Sat 12:20pm–1:05pm**

### **H265: A Fleshed Out History of Zombies**

*Paige Springman*

Love The Walking Dead, Left 4 Dead, or literally anything that has to do with zombies? Learn about where zombies came from and how pop culture has categorized and viewed them. You'll be dying to learn more!

*Open to students grades 9 through 12*

**Sat 3:50pm–4:35pm**

**Sat 2:55pm–3:40pm**

**Sat 2:00pm–2:45pm**

**Sat 12:20pm–1:05pm**

### **H323: Crazy, Stupid Love: The Nature of Romantic Love**

*Brooke Porter*

Love. Everyone craves it. It has been the inspiration for some of the greatest human achievements from songs, poems, books, movies, to buildings. Anthropologists have found the existence of love in 170 societies, and none without it. It is an universal human experience. It is the driving force behind acts of both kindness and cruelty. It has the power to bring an individual feelings of soaring elation and then deep depression. For centuries, philosophers, scientists, and artists have been fascinated with romantic passion but lacked the technology to explore it scientifically. Over the past few decades, our ability to study love has blossomed. Using the works on love from the past as the backdrop for their research, scientists have begun to deconstruct the nature of love. In this class we will explore how loves power originates from the symbiotic relationship between the physiology of love and human representation of love. The biological systems of love determine the behaviors we exhibit when we fall in love, while our expectations, rooted in culture and media, mold our perception and experience of love.

*Open to students grades 9 through 12*

**Sat 12:20pm–1:05pm**

**Class is FULL!**

### **H272: Creative Writing**

*Bonnie Meyer*

In this class, we will talk about different kinds of creative writing, tips on how to write an effective short story or poem, and practice doing a few relaxed short writing exercises. No experience necessary! You will have the optional opportunity to share your writing and participate in a workshop (where writers give each other constructive criticism). Everyone will provide feedback for others, but I will ask a few students to share their own writing, so sharing yours is completely optional! Come enjoy writing your own stories—whether they are creative nonfiction, fantasy, or something new!

*Open to students grades 9 through 12*

**Sat 12:20pm–1:05pm**

**Sat 2:00pm–2:45pm**

**Class is FULL!**

### **H341: Flags! Intro to Vexillology**

*Aditya Shetty*

Come look at some cool flags from across the world! Learn the basics of what is considered good flag design and bad flag design. You're gonna use that to make your own flags at the end of class

*Open to students grades 9 through 12*

**Sat 12:20pm–1:05pm**

**Class is FULL!**

### **H245: Introduction to Phonology**

*Lan-Anh Vo*

This course will provide students with a basic introduction to phonology, the branch of linguistics which examines sound patterns in language. Topics covered will include natural classes, sound alternations, and the implications our mental grammar has for second language acquisition. This class will be highly interactive, and will feature examples from a wide variety of languages.

*Open to students grades 9 through 12*

**Sat 12:20pm–1:05pm**

**Class is FULL!**

### **H330: The Legend of Pocahontas**

*Ananja Louw*

This course seeks to explore the myth of the “sexy savior of Jamestown” that is attributed to the incorrect (however romantic) common view of Pocahontas and her role in the colonization of Jamestown and colonial history in that time period. It will inform the ideals that were true to the woman, and will explore if she really did “paint with all the colors of the wind”.

*Open to students grades 9 through 12*

**Sat 12:20pm–1:05pm**

**Sat 2:00pm–2:45pm**

### **H274: A Modern Crack in the Wall: Why Snapchat is Today's Window into Another's Soul**

*Helen Hansel*

Do you like the Roman poet Ovid, Shakespeare, or musicals? Do you send a lot of snapchats? Do you like listening to music, poetry, or plays? Are you a modern youth? If you answered yes, then this class is for you. First, we will examine how the stories Pyramus and Thisbe, Romeo and Juliet, or “The Fantasticks” are actually just repurposed versions of the same story. We will listen to and watch clips of the three performances. Then, we will examine how the theme of communication through a small crack, hole, or window (a theme common to these three stories) is playing out today on the popular Application “Snapchat.” We will analyze statistics on the app, hear from experts about its usage, and gather primary source information from the class. This class takes a rigorous academic look at an everyday topic: how the youth of today are communicating. We will discover seek to answer the question: are the youth of today really that different from 2000 years ago?

Using the app “Snapchat” is not a necessary requirement for this class! The only requirement is enthusiasm.

*Open to students grades 9 through 12*

**Sat 2:00pm–3:40pm**

### **H221: Entrepreneurial Thinking**

*Kristen Chung*

Do you want to start your own business? Not sure what entrepreneurship is? Find out how you can use Entrepreneurial Thinking to succeed in your everyday life whether you're interested in becoming a millionaire through your next big business idea or just looking how to think more creatively!

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**Sat 2:55pm–3:40pm**

**Sat 3:50pm–4:35pm**

### **H248: How the Environment Shapes Your Genes**

*Hope Allen*

In this course, factors regarding how people's environments can shape their genes will be explored. Specifically, sickle cell anemia has developed in response to environments in situations where mosquitoes carrying malaria are prevalent. How mutations arose to combat this disease along with the pros and cons of having this mutation will be studied.

*Open to students grades 9 through 12*

**Sat 3:50pm–4:35pm**

**Sat 2:00pm–2:45pm**

**Sat 2:55pm–3:40pm**

### **H301: Kendrick Lamar, Hip-Hop, and Social Responsibility**

*Aribah Shah*

Where would Kendrick Lamar be if his father, a former member of Chicagos Black Disciples, had not taught him that real is responsibility? This seminar will look at the intersections of music, family, community, religion, repentance, and the broad idea of social responsibility within African-American communities and the influence that each of these things have in shaping the black experience in America.

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**Class is FULL!**

### **H328: MUSC 101: Music Theory I**

*Aaron Dallman*

Interested in music theory? This course will provide a basic introduction into music theory. Individuals who play an instrument are encouraged to bring their instrument (if it is portable) to aid in the instruction of the lesson.

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**Class is FULL!**

### **H217: Novel Writing**

*Abba Furry*

Are you thinking about writing a novel, writing one, or just curious about what a novelist's process might look like? This is the class for you! We'll take a look at the three Ps of noveling, Perseverance, People, and Plot, and I'll answer any questions you have based on my experiences from noveling for over a decade.

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**Sat 2:55pm–3:40pm**

**Sat 3:50pm–4:35pm**

**Class is FULL!**

**H338: Playing Dice with the Universe: Determinism, Free Will, and Einstein’s Mistake**

*Cara Price*

Consider, for a moment, a moment: the position of every particle, every action-in-progress. Given the laws of physics and chemistry, hasn't the successive situation already been determined? Now shift your focus to the brain: every neuron, every thought. Does the same principle apply? If so, what becomes of free will? Quantum theory has introduced Uncertainty to the debate, but its implications generally relate to determinism itself rather than free will; some argue that an intangible soul couldn't exert quantum influence. Of course, there are plenty who disagree, and that's part of the fun. In this class, we'll examine determinism and free will from both scientific and philosophical perspectives, analyzing how these issues have evolved since Ancient Greece and debating why/whether they matter.

*Open to students grades 9 through 12*

**Sat 2:55pm–3:40pm**

**Sat 2:00pm–2:45pm**

**Class is FULL!**

**H224: Predicting the Future: A Survey of Futurism**

*Isaac Boulter*

One of the most enduring genres of both film and literature has been that of science fiction, specifically those works that present Humanity as it might someday become. Many artists have shared visions of our future, ranging from optimistic to pragmatic to horrifying. In this course we will examine futuristic visions from five literary and cinematic sources: George Orwell's 1984, Suzanne Collin's Hunger Games, Gene Roddenberry's Star Trek, Joss Whedon's Firefly, and Andrew Stanton's WALL-E, and discuss the similarities and differences between each.

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**Class is FULL!**

**H238: Psychology Behind Star Wars**

*Siarra Deol*

This course offers a deeper perspective into The Star Wars cinematic universe. Together we will uncover the psychological aspects of each film and the character and discuss the true meaning of good versus evil. In the end, we will be able to grasp the mentality and motivation behind each of their favorite characters.

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**Class is FULL!**

**H290: Sacred Psychosexuality: The Difference Between the Sexes**

*Chinelo Umerah*

This class will discuss the philosophical differences between the two sexes, male and female, and how they have been designed by nature to exist in harmony. Class is highly theoretical, but has evidence grounded in reality and artwork. Delves deeply in how feminine and masculine energies play an integral role in our interpersonal relationships.

*Open to students grades 10 through 12*

**Sat 2:00pm–2:45pm**

**Sat 2:55pm–3:40pm**

**Sat 3:50pm–4:35pm**

**Class is FULL!**

**H256: The Death Star: The Galactic Trolley Problem**

*Christina Lim*

In addition to amazing cinematic visuals and jaw dropping light saber duels, Star Wars was also a franchise that gave it viewers deep moral and philosophical questions to ponder over. In this course, we'll explore several problems presented by this world and see if any of the advice from Master Yoda and Co. are worth following. Was the Death Star actually a force for good? Who killed more people, the Empire or the Rebels? Was Vader morally better than Luke? Do people intrinsically look down on cultures that are deemed "uncivilized"? All this and more, so be prepared to talk!

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**Class is FULL!**

**H297: African-American Slaves and Medical Experimentation**

*Hallie French*

This course will focus on the use and misuse of African-American slaves in medical experimentation in the Antebellum South. The course will bridge gaps between the past and present. While asking students to think openly and respectfully about hard parts of America's past. Students are sure to learn something new!

*Open to students grades 9 through 12*

**Sat 2:55pm–3:40pm**

**Sat 3:50pm–4:35pm**

**Class is FULL!**

**H227: Going Back to My Roots: My First Time in Majestic AND Mysterious India**

*Preeya Deol*

This course provides an insight into what it was like for me to go back to the place where my ancestors are from. We will also discuss the many cities I was able to visit, hear about the history behind these places, and get to know Indian culture. From showing Bollywood clips to vibrant photos taken while I was in India, I hope to expand your knowledge of this South Asian culture!

*Open to students grades 9 through 12*

**Sat 2:55pm–3:40pm**

**H307: Intermediate Spanish Conversations**

*Paulina Powierza*

Vamos a hablar en español y hacer algunas actividades usando la lengua. Esto es una oportunidad para practicar su español afuera de la escuela y conocer nuevos amigos que hablan en español.

*Open to students grades 9 through 12*

**Sat 2:55pm–3:40pm**

### **H289: Medicine, Literature, and Culture**

*Kaylyn Pogson*

In this course we'll be examining representations of medicine through the lenses of popular culture and literature. This course is designed for anyone interested in health, great movies, interesting pieces of writing, or just about anything related to medicine that's fun to discuss.

*Open to students grades 11 through 12*

**Sat 2:55pm–3:40pm**

**Sat 3:50pm–4:35pm**

**Class is FULL!**

### **H310: The Pixar Touch**

*Brooke Fisher*

Want to learn the elements that make up a Pixar movie? Want to learn how to come up with your own story idea for Pixar? This course will go over the basic elements of what makes a good story, and how Pixar has mastered the craft since Toy Story in 1995. Come out if you love to write and have a passion for great storytelling!

*Open to students grades 9 through 12*

**Sat 2:55pm–3:40pm**

### **H300: Gender in Politics**

*May Wang, Caitlin Young*

Does "playing the woman card" actually work? How do we explain the gender achievement gap in politics? Are there certain traits that make men better suited for politics? This course will introduce the role that gender plays in political power.

*Open to students grades 10 through 12*

**Sat 3:50pm–4:35pm**

**Class is FULL!**

### **H311: Intro to Bullet Journaling**

*Brooke Fisher*

Come and learn about how to get your life together in a cute, fun journal. Super popular now, we'll take the fifty minutes to set up a bullet journal and filling out first entry!

*Open to students grades 9 through 12*

**Sat 3:50pm–4:35pm**

**Class is FULL!**

### **H313: Science of Attraction**

*Sydney Howie*

This course will go into what makes people attracted to each other. It will investigate if/how we can manipulate our minds to change our perceptions of others.

*Open to students grades 9 through 12*

**Sat 3:50pm–4:35pm**

**Class is FULL!**

### **H308: Spanish Inquisition**

*Paulina Powierza*

We will learn about the events that led up to the Spanish Inquisition and then, each student will be assigned a specific role and participate in a pretend court trial. \*Students should be mature enough to discuss this topic in a serious manner and have parental approval for taking the class.

*Open to students grades 9 through 12*

**Sat 3:50pm–4:35pm**

### **H280: What's in a word- Intro to Phonetics/Phonology**

*Brent Eisenbarth*

This class will teach explain the basic properties of a speech sound, and how our brain organizes sounds into meaningful units (phonemes). We will also familiarize ourselves with IPA (the International Phonetic Alphabet, used for transcription) and the different branches of Linguistics.

*Open to students grades 9 through 12*

**Sat 3:50pm–4:35pm**

**Class is FULL!**

# Course Catalog — *Math & Computer Science*

## **M339: Introduction to web development**

*Crystal Zheng*

Have you ever thought of creating a web page to show your favourite recipe, or your cute little dog, or a fundraising idea for your club, or something else exciting to you? Then register for this class! In this course, we will start from the ground up by learning how to implement web pages with HTML and CSS. No prior experience required.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

**Class is FULL!**

## **M262: Exploring Cryptography and Cracking Secret Codes with Python**

*Ryan Court*

Starting from ancient secret codes used by Caesar, we'll discuss the historical development and applications of cryptography. To help illustrate these ideas, we will use the Python programming language to perform cryptanalysis and explore some examples of code cracking. Students can follow along with the programming examples if they're comfortable, but

it is not necessary to learn the material and enjoy the course!

*Open to students grades 10 through 12*

**Sat 11:25am–1:05pm**

**Sat 2:00pm–3:40pm**

**Class is FULL!**

## **M293: The Secrets Behind Building Your Best Online Brand**

*Bhavya Rai*

The truth is, our information is out there. We are Generation Z, and there is no stopped an individual or a company from learning all about you. Thankfully, however, knowledge is power. Come learn about how you can use your social media as a powerful and effective tool, especially when it comes to media giants such as Facebook and LinkedIn. These are the skills you need to get savvy, get hired, and get noticed!

*Open to students grades 9 through 12*

**Sat 11:25am–12:10pm**

**Sat 12:20pm–1:05pm**

**Class is FULL!**

# Course Catalog — *Miscellaneous*

## **X294: Boxing 101**

*Kathryn Thomann*

Splash into the rich history of boxing originating in Africa and spreading into the worldwide phenomenon it is today! Emphasis will be placed on modern boxing, its role in international culture, and basics of boxing will be demystified. The defensive nature of combat in relevant situations will also be highly emphasized. Basic boxing strikes and movement techniques will be instructed. No experience necessary.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

**Sat 12:20pm–1:05pm**

**Class is FULL!**

## **X259: College 118-How to slay in STEM**

*Shawn Ahuja, Forrest Wilke, Alvaro Nava*

This class will teach, not a particular STEM course, but rather general principles that are necessary to being successful in face of the rigors most STEM classes in college provide. These principles obviously aren't set in stone and should/can be adapted to specific demands of each class you take. After going over general principles, we'll demonstrate what they look like in action with specific examples. Class time will be more towards the 90 min range. While this class is designed for college stem classes, these strategies may be adapted to AP coursework or even high school science class.

*Open to students grades 10 through 12*

**Sat 10:30am–12:10pm**

**Class is FULL!**

## **X236: College Admissions 101**

*Ashish Khanchandani, Isha Sharma*

This course will give students a quick run-through for everything they will need to know for the college admissions process. This ranges from SAT's to deadlines to interviews and much more!

NOTE: This class is double-blocked and will meet for approximately 90-120 minutes.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Class is FULL!**

## **X314: F.R.I.E.S.: Consent Crash Course**

*Emily Bullins*

Consent is Freely Given, Retractable, Informed, Enthusiastic, and Specific. Come learn about sexual health and the importance of consent! We will discuss aspects of sexual health, sexual violence on campus, and what students can do to prevent violence.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

**Sat 12:20pm–1:05pm**

**Class is FULL!**

## **X319: Get Your Life 101**

*Tahjmare Warren, Kennedy Whiteside, Samantha Myers*

This course is intended to help high school students prepare for their future. Whether, that includes higher education or the work force. We want the students to walk out of the class with a sense of purpose for their lives. Our discussion will focus on the question, "What would you like to get out of life?"

*Open to students grades 11 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

**Sat 12:20pm–1:05pm**

**Sat 2:00pm–2:45pm**

**Sat 2:55pm–3:40pm**

**Sat 3:50pm–4:35pm**

**Class is FULL!**

## **X333: Guide to Being First-Generation**

*Jamie Ramos*

Are you a first generation student? Did your parents not attend or graduate college? Did they graduate in another country? Do you feel lost entering the world of college? Do you want to figure out how to use being first generation to your advantage? Do you feel like you're missing a lot of what you should be doing because you have no guide? This class will attempt to fill in all the gaps about what you should be doing, and how. You may also benefit from the information in this class if you are from a historically under-represented minority, whether it be racially, socio-economically, or in some other way.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

**Class is FULL!**

## **X231: Intro to Indian Dance**

*Kunal Lodaya*

Have you ever watched a Bollywood movie and wondered where those dance moves came from? In this course, we'll go through a survey history of India's rich history of dance, comparing traditional styles to modern, Western-influenced routines - and if time allows, you'll get to break out some moves with your instructor as well!

*Open to students grades 10 through 12*

**Sat 11:25am–12:10pm**

**Sat 12:20pm–1:05pm**

**Sat 10:30am–11:15am**

**Sat 2:00pm–2:45pm**

## **X260: Living With a Roommate**

*Emily Meggs*

Is that my shirt? Isn't it your turn to take out the trash? Why are there seven people I don't know in the room at

3AM? This class will give you the tools needed for surviving life with a roommate. This is a skill imperative for college and for your future life. You will learn how to accept the fact that rooming together does not contractually obligate you to be best friends, and how to establish a peaceful living environment. You will also learn that, even though you don't have to be friends, having a good relationship with your roommate is wonderful!

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

**Sat 12:20pm–1:05pm**

**Class is FULL!**

### **X278: Movement, Mindfulness, and Diet: A Holistic Guide to Self Care**

*Isaiah Stackleather*

This short introductory class will briefly explore the relationship between food, movement, and mindfulness. We will discuss statistics surrounding the importance of these to mental health as well as go through a mindfulness demonstration. The class will end with a final Q&A session and a list of resources students can use in the future to learn more and develop their own practices.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

**Sat 12:20pm–1:05pm**

**Class is FULL!**

### **X267: Netflix and Chill**

*Jack Davis*

First, this course will have no chill.

We'll explore the history of television, from its own internal evolution to how it has shaped our world. In addition, we'll look at TV's distinct ability to communicate ideas of politics, religion, information, work, sense of place, love, tragedy, beauty, power, money, commitment, and everyday life.

*Open to students grades 11 through 12*

**Sat 10:30am–12:10pm**

**Sat 2:00pm–3:40pm**

### **X336: Path To American Citizenship**

*Katrina Smith*

One of the key issues of this year's bizarre election season is immigration. But how does the naturalization process work? Who is eligible for a Green Card and how does one apply for one? Did you know that there is a Green Card lottery? As someone who moved to the United States on a visa, applied for a Green Card and became a citizen a year ago, I will give you a personal account of my experiences. We will discuss how the process was so much easier for me than it is for so many desperate people. We will examine the bias and injustice of the system, but also the beauty of this country's rich history of immigration.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

### **X254: Resum Writing and Self-Presentation**

*Anne Chao, Suraj Vege*

This course will discuss how to write and format a resum, and it will introduce presentation skills to be applied to job interviews and beyond.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

**Sat 12:20pm–1:05pm**

**Class is FULL!**

### **X316: Syria: A Humanitarian Crisis**

*Angela Chin*

Syria has been consistently referred to as the worst humanitarian crisis of our time by Amnesty International, the Mercy Corps, and the UN Security Council. It is being compared to the Rwandan Genocide and World War II. Yet, so many of us fail to understand the root of this complex problem and its players, including the Assad Regime, ISIS, Russia, and the Free Syrian Army. The first step to finding solutions and ending the injustice is having an awareness of the situation and that's exactly what you will get out of this class.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

**Class is FULL!**

### **X232: The History Of ISIS**

*Brian Fields*

This course will give a brief history of ISIS, from its origins in the mid-2000s and its involvement in the Syrian Civil War until present day. We will talk about propaganda, recruiting, and global efforts to combat the terror organization.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

### **X264: The Scientific World of Harry Potter**

*Callie Hucks*

Magic doesn't exist! Or does it? Come see in The Scientific World of Harry Potter! This course involves looking at multiple different spells, potions, and objects and observing the chemistry, biology, and physics behind them. This class will be interactive, involving some book/movie discussion and analysis, some scientific analysis, media comparisons of real life spells and enchantments, and lots of fun games! Don't worry if science is not your thing, the class will mostly be a discussion about how it can be related to Harry Potter. There will be a small welcome banquet to begin the course, as well as a final exam. The final is participation in the "Tri-Wizard Trivia Tournament" in which students will be given a Harry Potter scenario from the books/movies, as well as a scientific explanation. The students must guess the correct spell, object, etc. based on the information given, while competing against three other students. The winner of the tournament will receive a free t-shirt. All students that complete the course will receive a Hogwarts diploma with recognition in the Muggle Sciences.

*Open to students grades 9 through 12*

**Sat 10:30am–12:10pm**

**Sat 2:00pm–3:40pm**

**Class is FULL!**

**X252: The Truth About College Admissions**

*Ryan Huang*

Are you a senior trying to decide which schools to apply to? Are you a freshman trying to get a jumpstart on the BEST four years of your life?! Or are you someone who is curious about the real truth behind college admissions? Well, wherever you may fall, this course is for you! In a short 50-minute class, we will cover the basics of college admissions and college applications in a fun and entertaining way! If you have absolutely no clue pertaining to college admissions, no worries! This course will cover EVERYTHING you need to know about the application process, from the nitty-gritty details to the fun and exciting moments of picking the right school for you.

*Open to students grades 9 through 12*

**Sat 11:25am–12:10pm**

**Sat 10:30am–11:15am**

**X229: Winning Your High School Election!**

*Samuel Chao*

We'll be focusing on speech writing and public speaking skills - both essential for winning high school elections! Holding leadership positions is one of the most desirable traits in college applicants. You'll be given a chance to craft your own speeches and receive constructive criticism from your teacher and peers.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Class is FULL!**

**X340: Economics of Soccer**

*Aditya Shetty*

Students will learn about how the global transfer market works in soccer, how to apply various economic principles to understand certain decisions made by managers and players.

*Open to students grades 9 through 12*

**Sat 11:25am–12:10pm**

**Class is FULL!**

**X287: Into to Latin using Harry Potter Spells**

*Esther Lee*

In this course, you will learn the basics of understanding the Latin language using the spells used in the Harry Potter universe. No need to know anything about Latin to enroll!

*Open to students grades 9 through 12*

**Sat 11:25am–12:10pm**

**Class is FULL!**

**X233: American LGBT Rights in the 21st Century**

*Brian Fields*

This course will provide a brief, objective overview of the evolution of LGBT rights in the United States from 2000 to the present

*Open to students grades 9 through 12*

**Sat 12:20pm–1:05pm**

**Sat 2:00pm–2:45pm**

**X331: Cardiopulmonary Resuscitation**

*Holly Johnson, Caroline Glezil, John LeMoine*

This class will cover how the cardiovascular and pulmonary systems of the human body function, and what you can do when they stop working properly. This class is taught in conjunction with UNC's American Red Cross Club, but will not offer any type of certification for CPR.

*Open to students grades 9 through 12*

**Sat 12:20pm–1:05pm**

**Sat 2:00pm–2:45pm**

**Sat 2:55pm–3:40pm**

**Sat 3:50pm–4:35pm**

**X257: Intro to fitness nutrition**

*Shawn Ahuja, Forrest Wilke, Alvaro Nava*

In this class, we'll be giving a basic overview of If it fits your macros or IIFYM, otherwise known as flexible dieting. We'll go over the pros and cons as well as how to implement it in a day to day lifestyle as well as show why it's the best "diet" lifestyle in terms of attaining optimal nutrition for health and fitness as well as enjoying "unhealthy" foods while making strides to your personal fitness goals.

*Open to students grades 9 through 12*

**Sat 12:20pm–1:05pm**

**Class is FULL!**

**X268: Accio Sociology!**

*Gabrielle Brown*

If you love Harry Potter and the Hunger Games and hate that muggleborns are so mistreated and can't stand that the Capitol is full of such ignorant and vain people, this is your cup of tea!

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**Sat 2:55pm–3:40pm**

**X295: An Insider's Guide to Happiness**

*Bhavya Rai*

Ever get the feeling that something's missing, or that you're spreading yourself too thin? Unsure about the transition from high school to college? Afraid of failure? Maybe there's something useful for you here. In this class, we will learn about self care, goal-setting, the differences between fixed and growth mindsets, and the keys to being (and staying) your most positive, healthy self.

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**Sat 3:50pm–4:35pm**

**X253: Exploring Queer Representation in the Visual Media**

*Morgan Korzik, Arren Jones, Emil Eure, Irene Zellonis, Kylelyn Underhill, Elissa Phillips, Janae Gamara*

Why is LGBTQ+ representation lacking in the media? Why have over twenty LGBTQ+ characters been killed off in popu-

lar television shows in the past year? How does this influence young LGBTQ+ people who see these shows? This class will discuss these topics and dive deeper into past and current LGBTQ+ representation in the media and why it is so important to the LGBTQ+ community.

*Open to students grades 9 through 12*

**Sat 2:55pm–3:40pm**

**Sat 3:50pm–4:35pm**

**Sat 2:00pm–2:45pm**

**X332: Intro to Domestic and International Adoption**

*Brooke Fisher, Anna McQuillin*

Do you want to know more about adoption? Do you know someone who is adoption? Well, come out to this introductory class and learn more about domestic and international adoption. We'll discuss how adoption works, the differences between domestic and international adoption, and answer any questions you have about adoption.

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**X234: Introverts: How to Survive in an Extroverted World**

*Joanne Thayil*

Do you like talking to people but hate large crowds? Do you tend to shy away from public speaking? Do you tend to get mentally exhausted after a long day of socializing? Do you enjoy spending time alone? If any of these characteristics sounds like you, you probably have some introverted tendencies! Through this class, we will discover the pros and cons of being an introvert, how to work in highly-social work environments, and how to maximize your strengths.

*Open to students grades 9 through 12*

**Sat 2:55pm–3:40pm**

**Sat 2:00pm–2:45pm**

**Class is FULL!**

**X309: Mission to Mars**

*Paulina Powierza*

Each student will be assigned a role in a space mission and must decide whom they will take to colonize a new planet. Students who take this class will need to use problem-solving skills and use communication skills to interact with other members of the class. This class is most suitable for 9th and 10th graders, but all grade levels are invited.

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**Class is FULL!**

**X246: To Infinity...And Beyond! An Introduction to World-Building**

*Lan-Anh Vo*

Are you a fan of Star Wars, Harry Potter, or even Pokmon? Although different in many ways, these stories all have one thing in common: they are set in a captivating world. In this course, we will explore the basics of fictional world-building, including insights this process provides into our own, real world.

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**X219: VolunTourism—The Ethics of Volunteering**

*Clara Davison*

What is the face of volunteering abroad today? With the birth of Instagram and SnapChat, how has the face of international volunteering changed? What are the ethics of spending your spring break or summer abroad? Bring your personal experiences and open minds to talk about this question that has been debated for years!

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**X247: Leadership Seminar: Keys to Building a Successful Team**

*Lan-Anh Vo*

Are you a club president, team captain, camp counselor, or teaching assistant, or do you have plans to become one? If so, then this class is perfect for you! As a leader, you play a critical role in building up a sense of community and trust on your team. In this course, we'll explore how to do just that. You will get to see first-hand how a variety of team-building activities work—and you'll get to know your peers quite well in the process! By the time you leave here, you will have a toolbox full of creative ideas to build meaningful relationships and foster a positive dynamic on your team.

*Open to students grades 9 through 12*

**Sat 2:55pm–3:40pm**

**Sat 3:50pm–4:35pm**

**Class is FULL!**

**X312: Let's Talk About Sex (Baby)**

*Julia Corbett, Kaelan Forbes*

An attempt at comprehensive sex education in 50 minutes or less.

Consent.

Sexuality/Gender

Sex Positivity

Contraceptives.

Anatomy.

And more!

*Open to students grades 9 through 12*

**Sat 2:55pm–4:35pm**

**X237: Public Speaking and Presentations 101**

*Isha Sharma, Ashish Khanchandani*

An introduction to public speaking for high school students.

*Open to students grades 9 through 12*

**Sat 2:55pm–3:40pm**

**Class is FULL!**

**X296: Serving Those Who Serve**

*Briana Humes*

This service-learning course provides students with an opportunity to fuse academics and volunteering while benefiting American troops. In this course we will learn about the issues that service members face on and off the battlefield

and make a direct impact by writing letters and cards to our troops as a part of Operation Gratitude. Go Heels, Go America!

*Open to students grades 9 through 12*

**Sat 2:55pm–3:40pm**

**Sat 3:50pm–4:35pm**

**X220: Why Do We Go to Class?**

*Clara Davison*

We all think education is important, right? After all, that's why you're all here! But how does a person receive an education? Is it only through a classroom? What do we consider educational? Does it have to be something we learn in a classroom?

Come learn about the research for and against traditional forms of education (aka coming to a class to learn about research...so maybe a little contradictory). Learn about education systems around the world, those that work and those that do not, and think about ways that education can change in the 21st century.

*Open to students grades 9 through 12*

**Sat 2:55pm–3:40pm**

**Class is FULL!**

**X335: YAY, CUPCAKES.**

*Jamie Ramos*

This class will teach you how to decorate a basic cupcake using decorating tips with icing.

Please note that some allergens may be present, including but not limited to eggs, tree nuts, dairy, wheat, and gluten. If you have any food allergies or sensitivities, please contact splashunc@gmail.com before signing up for this class.

*Open to students grades 9 through 12*

**Sat 2:55pm–3:40pm**

**Class is FULL!**

**X320: Adoption: Making A Lasting Impact**

*Madeline Ray*

Come learn about the adoption process, why adoption is important, and how you can make a direct impact on a child's life!

*Open to students grades 9 through 12*

**Sat 3:50pm–4:35pm**

**Class is FULL!**

**X258: Intro-Intermediate Programming-What to do in the gym and how often**

*Shawn Ahuja, Alvaro Nava, Forrest Wilke*

In this class offered by Carolina Barbell, we will go over the basic programming structure for beginner to intermediate lifters as well as why it works and establish what sort of a longterm sustainable exercise regimen would look like. The emphasis here will be on strength but functional, cardiovascular fitness, as well as mobility will be noted. The exact mechanics of how to do some of the lifts will not be taught in this class but we will make reference to videos that can fully instruct. Therefore, all experience levels are welcomed.

*Open to students grades 9 through 12*

**Sat 3:50pm–4:35pm**

**Class is FULL!**

**X334: SELF 101- The Mental, Physical, and Emotional Interactions of Self-Care**

*Jamie Ramos*

This class will cover self-care in a broad context, ranging from self-esteem to real tips on how to take care of every aspect of your "self." You can expect information and discussion ranging from beauty and fashion tips, to the psychology surrounding the self, to real-world perspectives from classmates.

*Open to students grades 9 through 12*

**Sat 3:50pm–4:35pm**

**Class is FULL!**

# Course Catalog — *Science*

## **S327: AHSC: 210 Introduction to Autism and other Developmental Disorders**

*Aaron Dallman*

This course will provide an introduction into Autism Spectrum Disorder (ASD) and other related developmental disorders. This course will give a brief introduction into behavioral manifestations, treatment interventions, and related field that work with individuals with developmental disabilities.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

**Sat 12:20pm–1:05pm**

**Class is FULL!**

## **S218: Chemistry of Cookies**

*Grace Hildebrand*

In this class, students will learn the basic science behind baking! Baking is just a series of chemical reactions, and this course will inform students about what is actually happening as the cookies are in the oven.

*Open to students grades 9 through 12*

**Sat 11:25am–12:10pm**

**Sat 10:30am–11:15am**

**Class is FULL!**

## **S283: Emotional Intelligence**

*Kristie Stovash*

Before psychologists Peter Salovey and John D. Mayer published their landmark article Emotional Intelligence in 1990, it was unheard of to consider that there could be more forms of intelligence than just the standard intelligence quotient (IQ). Emotional intelligence is defined as the subset of social intelligence that involves the ability to monitor ones own and others feelings and emotions, to discriminate among them and to use this information to guide ones thinking and actions. Many psychologists now believe that standard measures of intelligence (i.e. IQ scores) are too narrow and do not encompass the full range of human intelligence. Instead, they suggest, the ability to understand and express emotions plays an equal if not even more significant role in how people fare in life.

In this course, students will be introduced to the Psychology topic of Emotional Intelligence. We will discuss current research and its real life implications, leaving students with tangible ways to develop Emotional Intelligence skills that are crucial for success in many areas of life.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Class is FULL!**

## **S281: Leaf-cutter Ants, Platypi, Jellyfish, and More: Why we're not as special as we think we are.**

*Emma Scaggs*

In an exploration of human evolution, students will see how

different animals have developed easier and more sustainable methods of survival than human's have ever considered. We may be at the top of the food chain, but we're certainly not the pinnacle of evolution.

*Open to students grades 9 through 12*

**Sat 10:30am–12:10pm**

**Sat 2:00pm–3:40pm**

## **S263: Pre-Med Prep!**

*Pooja Iyer, Francesca Gines*

A comprehensive course on navigating through the pre-medicine track as a student at UNC. Two students who took different routes through the pre-med track at Chapel Hill offer tips, suggestions, and recommendations on how to get involved with medically-related campus activities.

*Open to students grades 10 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

**Sat 12:20pm–1:05pm**

**Class is FULL!**

## **S324: We all Live Downstream**

*Charlotte Hopson*

In this course, we will talk about the science of watersheds and how what happens in a watershed can affect everyone.

In addition to learning some basic scientific principles, we will build our own watershed to understand impacts on the system.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

## **S228: What's really normal anyway?**

*alex koszeghy*

A brief overview of abnormal psychology. From depression to anxiety, bipolar to schizophrenia, this course will introduce students to a variety of common mental disorders and the treatments associated with each of them.

*Open to students grades 9 through 12*

**Sat 10:30am–11:15am**

**Sat 11:25am–12:10pm**

**Sat 12:20pm–1:05pm**

**Class is FULL!**

## **S243: You can't see them, but they're there**

*Xavi Velasquez*

This course intends to provide a broad overview of the effects of diatoms, a type of phytoplankton, in a marine environment. Also, I plan to give tips on how to get involved in lab work at Carolina.

*Open to students grades 11 through 12*

**Sat 10:30am–11:15am**

**S255: A Wookie, a Jawa and a Twi'lek Walk into a Catina...***Christina Lim*

The world of Star Wars is full of complex and fascinating creatures, each designed to live comfortably on their own planet and adapt to others. This course will mix concepts from biology, anatomy, physiology, and astronomy to see how aliens and humans are suited to survive their environment. Join us as we journey both far far away and close to home to see just how amazing our bodies and our world are!

*Open to students grades 9 through 12***Sat 11:25am–12:10pm****Sat 12:20pm–1:05pm****Class is FULL!****S337: Introduction to Experimental Psychology***Jenna Perry*

What goes on in a psychology lab? Why do they wear those white coats? How is psychology and neuroscience research carried out, anyway, and why does it matter?

These questions and more will be addressed in this brief introduction to experimental psychology, taught by an undergraduate researcher with three years of experience in the field. We'll cover topics like research methods, experimental control, ethical standards, and brain imaging techniques. We'll also devote a bit of time to historical experiments considered "mad science" by today's standards... and what we can do as budding scientists to avoid the same mistakes.

*Open to students grades 9 through 12***Sat 12:20pm–1:05pm****Sat 2:00pm–2:45pm****Sat 2:55pm–3:40pm****Sat 11:25am–12:10pm****Class is FULL!****S292: Living and Learning Sustainably***Emily Hightower, Lauryn McMiller*

Are you interested in the environment, sustainability, and/or permeable pavement? If so, then this is the class for you! Learn about the environment, how to live sustainably, and various sustainable innovations as taught by the UNC EcoReps! (If you don't know what an EcoRep is, sign up to find out!)

This class will be an interactive look at all the components of sustainability: water, energy, transportation, permeable pavement, geothermal wells, etc. We will have a variety of fun activities to help you understand what it means to be sustainable.

*Open to students grades 9 through 12***Sat 11:25am–12:10pm****Sat 12:20pm–1:05pm****Sat 2:00pm–2:45pm****S285: Public Health***Kristie Stovash*

An introductory level Public Health course. (still working on ideas- planning to teach a specific topic in public health)

*Open to students grades 9 through 12***Sat 11:25am–12:10pm****Class is FULL!****S223: Dust to Dust: An Overview of the Life Cycles of Stars***Isaac Boulter*

The goal of this class is to give students a brief overview of the life cycles of stars, moving from their birth through the different stages of life and finishing with the various ways in which they die. Throughout the course we will discuss the basic atomic processes, time scales, temperatures, and conditions of all stages of stellar evolution.

*Open to students grades 10 through 12***Sat 12:20pm–1:05pm****Class is FULL!****S225: The Brain: Mysteries, New Findings, and an Overview***Mark Burnett*

In this class we will discuss the three main parts of the brain: the forebrain, the midbrain, and the hindbrain. However, this will not be your typical anatomy class. An introduction will be presented on how the brain works, but the rest of class will cover the mysteries of the brain, recent discoveries about the brain, and new medical applications for the brain.

*Open to students grades 9 through 12***Sat 12:20pm–1:05pm****Class is FULL!****S240: The Science of Relationships***Smriti Singh*

Got a crush on that cute classmate? Are your parents bugging you all time? Laugh with your friends a lot? In this course, we will examine the biology and psychology behind basic human relationships. Topics we'll dive into include nature vs. nurture, hormones and their roles, and the cultures of eastern and western societies.

*Open to students grades 9 through 12***Sat 3:50pm–4:35pm****Sat 12:20pm–1:05pm****Class is FULL!****S277: Unraveling the Brain: A Biological Masterpiece***Noah Miller, Katarina Swaim, Amir Adib Azihan*

Join some of the executive officers of the Carolina Neuroscience Club as we explore the fascinating organ we call The Brain.

How do electrical impulses turn into beautiful art? And jelly-like folds to exquisite childhood memories? We will explore intriguing questions like these and many more during our course at SPLASH UNC!

*Open to students grades 9 through 12***Sat 12:20pm–1:05pm****Sat 2:00pm–2:45pm****Sat 2:55pm–3:40pm****Class is FULL!**

**S345: An Introduction to the Life of a Pre-Med/  
BME Student***Divya Srinivas, Jamal Khan, Anup Rao*

Are you interested in going to medical school or becoming a biomedical engineer? Explore the right steps to take in undergrad to follow your dreams. Learn more about how to balance all these classes with other student requirements. The path towards these careers may seem tough and nerve-racking, but with these helpful tips it can be easily manageable.

*Open to students grades 9 through 12***Sat 2:00pm–2:45pm****Sat 2:55pm–3:40pm****Sat 3:50pm–4:35pm****Class is FULL!****S251: Cardiology 101***Francesca Gines*

What does your blood pressure actually mean? What's really happening when someone has a heart attack?

This course offers an introduction to the cardiovascular system. We will discuss blood flow, blood pressure, disease, and cardiac emergencies. Get excited to learn about the coolest part of the human body!

*Open to students grades 9 through 12***Sat 2:00pm–2:45pm****Sat 2:55pm–3:40pm****S235: Chemistry as a Catalyst***Ushma Vaidya*

Often times in chemistry courses, the science of chemistry is taught but the fun implementation of it is neglected. The purpose of this course is to bring light to the fun aspects of chemistry, aside from the numbers and equations that make it up. While basic terms and concepts will be discussed, the majority of this class will be spent doing hands on activities.

*Open to students grades 9 through 12***Sat 2:00pm–2:45pm****Class is FULL!****S326: From the Big Bang to Today: The History of  
the Entire Universe***John Martin*

Taking American History for the third time isn't your thing? Annoyed for taking a full year of classes devoted to ~300 years of history on Earth? Frustrated by the fact you can and will be able to spew out the birth dates of all 44 presidents for the next 30 years? No longer will your time be wasted with memorizing uninteresting facts that have no relevance to your current life! This course is a 50 minute summary of the entire history of the universe with take away facts that are actually interesting and that you won't be embarrassed to share with your hip friend group.

*Open to students grades 9 through 12***Sat 3:50pm–4:35pm****Sat 2:55pm–3:40pm****Sat 2:00pm–2:45pm****S249: Herpetology 101: Reptiles and Amphibians***Nicole D'Avignon, Seraphina Wong, Kylie Fackrell*

This course offers an introduction to herpetology, which is a branch of zoology that studies reptiles and amphibians. We'll learn about different types of reptiles, such as snakes, lizards, turtles, and crocodilians, and amphibians, such as frogs, toads, and salamanders. This course will go over the natural biology, feeding mechanisms, ecology, and special characteristics of each type of animal. We'll also be bringing some live ambassador animals to the program and students will be able to touch and observe snakes, lizards, turtles, and salamanders up close. Don't miss out on the chance to see feeding demos, touch snakes, and learn about some of the most fascinating creatures on the planet!

*Open to students grades 9 through 12***Sat 2:00pm–3:40pm****S279: How Big is the Universe?***Elizabeth Smith*

Introduction on how we measure the size of the universe. The course will also try to convey the scale of various celestial objects in relation to the universe.

*Open to students grades 9 through 12***Sat 2:00pm–2:45pm****Sat 2:55pm–3:40pm****S226: I've Got a Bone to Pick With You***Preeya Deol*

This course offers an introduction to the anatomy of the musculoskeletal system.

We will also discuss musculoskeletal disease, and various treatment options, such as physical therapy and surgery. Get excited to learn more about how our body works to keep you movin' and groovin' everyday!

*Open to students grades 9 through 12***Sat 2:00pm–2:45pm****Class is FULL!****S342: Living Sustainably***Aditya Shetty*

Come learn about a variety of different ways to modify your lifestyle to improve the impact you leave on the environment. Learn about how people all over the world are innovating to improve the future of our planet.

*Open to students grades 9 through 12***Sat 2:00pm–2:45pm****S298: Nutrition: The Science of Food and Drink***Vaibhav Shrishail*

This course will cover the basics of Nutrition and how food and drink affect our body function!

We will be taking your personal eating habits and analyzing them for how the food you eat makes an impact on your daily life.

Nutrition will also be looked at in relation to exercise and

diet.

*Open to students grades 9 through 12*

**Sat 2:55pm–3:40pm**

**Sat 3:50pm–4:35pm**

**Sat 2:00pm–2:45pm**

**S325: Trust Your Gut: Split Second Decision Making**

*Isaiah Kim*

Have you ever looked at a test question and just felt that choice C was the correct answer? Learn what happens inside your head when you get that “gut-feeling” and how to train yourself to make better split second decisions.

*Open to students grades 9 through 12*

**Sat 2:00pm–2:45pm**

**Sat 2:55pm–3:40pm**

**Sat 3:50pm–4:35pm**

**Class is FULL!**

**S317: Altruism - Why Do We Help People?**

*Melvin Soh*

“Survival of the fittest”. “Eat or be eaten”. These well-known phrases emphasize the difficulties of survival in the world, and describe a mechanism by which Darwinian natural selection works. So then, it might come as a surprise to many why people even choose to help one another! Isn’t altruism incompatible with survival of the fittest? Won’t helping someone disadvantage me by allowing others to do better? Won’t I be taken advantaged of if I’m nice?

This class will look at the basis of altruism from an evolutionary perspective, with reference to some animals (including us humans!) that demonstrate altruism.

*Open to students grades 9 through 12*

**Sat 2:55pm–3:40pm**

**Sat 3:50pm–4:35pm**

**S329: Introduction to Occupational Therapy and related Fields**

*Aaron Dallman*

Have you ever thought about working as an occupational therapist or other allied health professional? This course will cover the range of opportunities available for individuals interested in occupational therapy.

*Open to students grades 9 through 12*

**Sat 2:55pm–3:40pm**

**Class is FULL!**

**S275: Body Condition of Green Turtles**

*Emily Kian*

In this course, I will go over a bit of background information on the green turtle, one of the seven species of sea turtles. I will discuss some previous research studies conducted on green turtles and the different methods of quantifying body condition of sea turtles. I will present the findings and implications of a research study I conducted on the body condition of green turtles living in three different natural protected areas, including a discussion on the possible effects of fibropapillomatosis tumors on body condition index values.

*Open to students grades 9 through 12*

**Sat 3:50pm–4:35pm**

**Class is FULL!**

**S322: The World Water Crisis**

*Laura Feinleib*

1 out of 9 people world wide do not have access to clean drinking water. In this class, we will explore the effects of the global water crisis and what we can do to help. Through interactive activities, scavenger hunts, and video clips, students will learn about water in our world and the water footprints they leave every day. Light refreshments will be included in the curriculum.

*Open to students grades 9 through 12*

**Sat 3:50pm–4:35pm**

**Class is FULL!**

**S270: What’s in Your Lunch?: Exposure Science 101**

*Claudia Meyer*

We are exposed to hundreds of natural and man-made chemicals in our environment everyday. But how much gets from the outside into our bodies, and will they make us sick? These are key questions at the heart of exposure science. In this class, we will take a beginner’s look at how exposure science works as well as some of the famous discoveries and legislation in the field across US history.

*Open to students grades 10 through 12*

**Sat 3:50pm–4:35pm**

**Class is FULL!**

# Course Catalog — *Walk-in Activity*

**W216: Spanish Conversation Time***Abba Furry*

Spanish speakers of any level are welcome to come talk with me and their peers in Spanish. This is totally casual - you can talk about whatever you want, and I'll be there to help. I need to practice my Spanish too!

*Open to students grades 9 through 12***Sat 10:30am–11:15am****Sat 11:25am–12:10pm****Sat 12:20pm–1:05pm****W344: UNC Campus Tour***Joe Aunce*

Take a tour of the UNC-Chapel Hill campus led by a Splash UNC volunteer, meet on the steps of Wilson Library

*Open to students grades 9 through 12***Sat 10:30am–11:15am****Sat 11:25am–12:10pm****Sat 12:20pm–1:05pm****Sat 2:00pm–2:45pm****Sat 2:55pm–3:40pm****Sat 3:50pm–4:35pm**