

## Honors Seminars Fall 2021

These seminars satisfy your First-Year Experience (FYE) requirement, so we encourage you to explore and find some that sound interesting to you. Seats are limited, have a few options in mind.

### [HC 110-1A: Nutrition in Young People](#)

Monday/Wednesday/Friday 8:00 – 8:50 am  
Ali Elliot, CRN: 62165

### [HC 110-2E: Let's Talk: A Dialogue on Race and Racism in the US](#)

Tuesday/Thursday 2:00 – 3:15 pm  
Cortney Johnson & Rebecca Harkless, CRN: 64826

### [HC 111-2B and HC 111-2C \(two sections available\): Engineering Innovation and Design](#)

Tuesday/Thursday 9:30 – 10:45 am \*or\* Tuesday/Thursday 11:00 am – 12:15 pm  
Timothy Wick & Iwan Alexander, CRN: 63992 (9:30) & 58389 (11:00)

### [HC 112-2B: Comedy & Health](#)

Tuesday/Thursday 9:30 – 10:45 am  
Kevin Fontaine, CRN: 59671

### [HC 114-2B: Persuasion](#)

Tuesday/Thursday 9:30 – 10:45 am  
Mike Wittman, CRN: 59653

### [HC 114-2D: Think Like an Entrepreneur](#)

Tuesday/Thursday 12:30 – 1:45 pm  
Joel H Dobbs, CRN: 59654

### [HC 116-2C: History of Alabama](#)

Tuesday/Thursday 11:00 am – 12:15 pm  
Kaye Nail, CRN: 64827

### [HC 116-2G: US Foreign Policy Post-Cold War](#)

Tuesday/Thursday 5:00 – 6:15 pm  
Adrian Rickert, CRN: 63989

### [HC 117-2D: Understanding the World through Data](#)

Tuesday/Thursday 12:30 – 1:45 pm  
Lauren Rast, CRN: 64835

[HC 117-2G: Strange Brains](#)

Tuesday/Thursday 5:00 – 6:15 pm

Robin Lester, CRN: 62151

[HC 117-VT: Talking Immunology](#)

Monday/Wednesday 12:20 – 1:35 pm

Heather Bruns, Louis Justement, CRN: 63000

[HC 118-1B: Film and the World](#)

Monday/Wednesday/Friday 9:05 – 9:55 am

Daniel Siegel, CRN: 64829

[HC 118-1C: Invented Language](#)

Monday/Wednesday/Friday 10:10 – 11:00 am

David Basillico, CRN: 64886

[HC 118-1CA: Crime Fiction & Identity](#)

Monday/Wednesday/Friday 10:10 – 11:00 am

CRN: 65003

[HC 118-1F: Witch Narratives](#)

Monday/Wednesday/Friday 1:25 – 2:15 pm

Aparna Dwivedi, CRN: 58397

[HC 118-2B: Ethical Conflicts in Healthcare](#)

Tuesday/Thursday 9:30 – 10:45 am

Mariko Nakano, CRN: 58397

[HC 118-2C: Quest for Integrity](#)

Tuesday/Thursday 11:00am – 12:15 pm

Bill Blackerby, CRN: 64832

[HC 118-2E: Classical Music in Pop Culture](#)

Tuesday/Thursday 2:00 – 3:15 pm

Julianne Steele, CRN: 64056

[HC 118-2F: Film Fest 101](#)

Tuesday/Thursday 3:30- 4:45 pm

Gareth Jones, CRN: 60851

[HC 118-2FA: America's Religious Diversity](#)

Tuesday/Thursday 3:30 – 4:45 pm

David Barnhart, CRN: 64057

[HC 119-2C: Women's Healthcare](#)

Tuesday/Thursday 11:00 – 12:15 pm

Lynn Nichols, CRN: 58398

[HC 119-2F: Research College Success](#)

Tuesday/Thursday 3:30 – 4:45 pm

CRN: 64887

[HC 120-2B and HC 120-2C \(two sections available\): Engineering Experience](#)

Tuesday/Thursday 9:30 – 10:45 am \*or\* Tuesday/Thursday 11:00 – 12:15 pm

Zoe Dwyer, Gregg Janowski, CRN: 64830 (9:30) or 64833 (11:00)

[HC 120-VT: Eco-Soap Making Project](#)

Tuesday 2:30 – 4:30 pm

Judith McBride, Kochurani Jacob, CRN: 62973

## [HC 110-1A](#)

### **Nutrition in Young People**

***Monday/Wednesday/Friday 8:00 – 8:50 pm***

**Ali Elliott, MS, RDN, LD, CLC**

This course is focused on Maternal and Child Nutrition. The course will take students through topics in infant, early childhood nutrition, and adolescent nutrition. The course will reflect current research, opinions, and discussions in the field. A focus on age and stage-based nutrition, as well as relevant health issues, such as allergies and obesity will be at the forefront of study, discussion, competencies and group projects.

Registered Dietitian representatives from the local Alabama WIC Program, Children's Hospital of Alabama, and Alabama schools Child Nutrition Program will be scheduled to present current on-goings in their prospective fields of maternal and pediatric nutrition.

**CRN: 62165 HC 110-1A HnSm:Nutrition in Young People, UABHH 102**

## [HC 110-2E](#)

### **Let's Talk: A Dialogue on Race and Racism in the US**

***Tuesday/Thursday 2:00 – 3:15 pm***

**Cortney Johnson, Assistant Director, Student Multicultural and Diversity Programs/Student Experience, Division of Student Affairs**

**Rebecca Harkless, Coordinator of Social Justice Education, Student Multicultural and Diversity Programs, Division of Student Affairs**

We all have multiple and complicated identities, including race, and these identities affect how the world sees us. This intergroup dialogue aims to create a space for students of color and white students

to discuss this aspect of themselves. Students will learn from each other's perspectives, read and discuss relevant material, and explore their own and other groups' experiences in various social and institutional contexts. In conversations such as these, emotions rise, debate ensues, and there is a fast end to conversation. To ensure an open space, with intentional conversation, the tenants of dialogue are taught to all participants and will be maintained in the space. Topics discussed in this dialogue include: interracial relationships, cultural appropriation, immigration, and more.

**CRN: 64826 HC 110-2E HnSm:Dialogue Race/Racism, UABHH 102**

## [HC 111-2B and HC 111-2C \(two sections available\)](#)

### **Engineering Innovation and Design**

***Tuesday/Thursday 9:30 – 10:45 am \*or\* Tuesday/Thursday 11:00 am – 12:15 pm***

**Dr. Iwan Alexander, Professor and Chair, Electrical and Computer Engineering, School of Engineering**

**Dr. Timothy Wick, Interim Dean, School of Engineering**

The ability to innovate is an essential skill that drives existing economies, creates new markets and generates new jobs. Indeed, innovation is necessary to successfully meet the challenges facing our global society. This course provides hands-on learning of a disciplined approach to engineering design and innovation. Course topics include Design Thinking, design concept development, decision-making techniques, sustainable design

practices, project management and product lifecycle assessment. Developing an iterating prototypes is an important method to quickly and efficiently communicate a product, app or concept to potential clients, users, investors and other constituents. During the course students gain hands on experience developing, presenting and iterating prototypes that demonstrate key features of their design. Throughout the course, students develop team building, client management, communication, and presentation skills that improve their confidence and career-readiness. The skills develop will enable each team to iteratively develop a product with commercial potential and societal impact. By the end of the course, each team will be able to succinctly articulate and defend the team's design concept and prototype invention in the form of an 'investment pitch'.

**CRN: 63992 HC 111-2B (9:30) OR 58389 HC 111-2C (11:00) Honors Seminar in Engineering, HOEN 260**

### [HC 112-2B](#)

#### **Comedy, Health and Well-being**

***Tuesday/Thursday 9:30 – 10:45 am***

**Dr. Kevin Fontaine, Professor, Department of Health Behavior, School of Public Health**

This course examines the potential role of comedy in promoting health and well-being. We will explore questions such as: What makes something humorous? How do comedians broach sensitive topics in a way that is both humorous and hard-hitting? How does laughter influence health and well-being? How do comedians develop their routines? How can comedy used to promote behavior change and public health? Students will read articles, writes jokes, keep a free writing journal, watch performances, analyze, and discuss classic and contemporary comedians, as well as create and present a final project (or performance stand-up).

**CRN: 59671 HC 112-2B HonSem: Comedy&Health, UABHH 102**

### [HC 114-2B](#)

#### **Persuasion: How to Get More of What You Want and Make Others Feel Good About Giving It to You**

***Tuesday/Thursday 9:30 – 10:45 am***

**Dr. Mike Wittmann, Professor and Chair, Department of Marketing, Industrial Distribution, and Economics, Collat School of Business**

Why do some people get more of what they want? How do you tell a compelling story? How do I ask someone for something and actually get what I want? Why are some advertisements and sales pitches effective and others just irritating and useless? The art and science of persuasion requires an understanding of elements of creativity, communication, psychology, processes, and ethics. In this course, we explore these elements in a highly interactive environment with cases, current readings, teamwork, guest speakers, and a heavy dose of practice. By the end of the semester, students will have a better understanding of how persuasion works and how to put ethical persuasion into practice.

**CRN: 59653 HC 114-2B Honors Seminar-Persuasion, CSB 109**

## [HC 114-2D](#)

### **Think Like An Entrepreneur**

***Tuesday/Thursday 12:30 – 1:45 pm***

**Dr. Joel Dobbs, Executive in Residence, Collat School of Business**

What sets successful entrepreneurs apart? How do they think? How do they solve problems? How do they develop and sell their ideas? This course teaches students how to solve problems through entrepreneurial thinking. Students will be divided into diverse teams and select a problem that is relevant to their world. Using a combination of interactive lectures and discussions, in-class working sessions, and interviews with “customers”, they formulate and test potential solutions to their problem. Students will also visit local sites such as Innovation Depot and meet and hear from several successful local entrepreneurs. Several team presentations and brief written assignments throughout the semester will culminate with a “Shark Tank” style presentation to a group of outside judges.

**CRN: 59654 HC 114-2D HnSem: Think Like Entrepreneur, CSB 101**

## [HC 116-2C](#)

### **History of Alabama**

***Tuesday/Thursday 11:00 – 12:15 pm***

**Kaye Nail, Credentialed Course Instructor, Department of History, College of Arts and Sciences**

This course traces the history of Alabama from its first inhabitants, through European contact, statehood, the Civil War and Reconstruction. Students will also look closely at 20th century Alabama by investigating some of the state's most interesting and controversial people and events. Emphasis will be placed on several individuals whose contribution shaped Alabama and our contemporary landscape. By exploring our past, we can better understand the state's regional tensions, political scandals, class antagonisms, racial divides, and gender inequalities of today.

**CRN: 64827 HC 116-2C History of Alabama, UABHH 225**

## [HC 116-2G](#)

### **United States foreign policy in the Post-Cold War Era**

***Tuesday/Thursday 5:00 – 6:15 pm***

**Dr. Adrian Rickert, Instructor, Department of Political Science, College of Arts and Sciences**

Scholars have debated the role of the United States in the post-Cold War era, being the only superpower in the world. What threats do we face, and from whom? Are we exercising our power wisely, or are we squandering precious resources in regime change wars such as Iraq, Afghanistan, and elsewhere, as some scholars have argued? Are we making mistakes made by other great powers that have led to decline, or is such talk alarmist and unhelpful? These are some of the issues of focus, along with topics such as NATO expansion and its consequences, the sustainability of U.S. deficits and debt, and the impact of increasing domestic political and cultural polarization in shaping U.S. foreign policy and impacting its role in the world. Students will examine

these issues by reading important scholarly literature on the topic, along with contemporary developments to determine answers to these important questions.  
**CRN: 63989 HC 116-2G HonSem:USFrnPol Post Cold War, UABHH 225**

### [HC 117-2D](#)

#### **Understanding the World through Data**

***Tuesday/Thursday 12:30 – 1:45 pm***

**Dr. Lauren Rast, Assistant Professor, Department of Physics, College of Arts and Sciences**

This course is designed to provide students of all disciplines with an introduction to using data and models to understand systems. This course features a carefully guided and curated selection of introductory-level topics related to modeling and simulation. Emphasis is placed on developing the inductive and deductive reasoning skills specific to the use of models in the physical sciences. Students will make and explore conjectures about data in a variety of disciplines, including physics, data science, biology, the social sciences, business, and finance. Students will be introduced to the use of simple models to visualize and qualitatively understand quantitative information via the Python programming language. No prior programming experience is necessary.

**CRN: 64835 HC 117-2D HnSm: Understanding World Data, UABHH 225**

### [HC 117-2G](#)

#### **Strange Brains: How Myths and Legends Shaped the History of Neuroscience**

***Tuesday/Thursday 5:00 – 6:15 pm***

**Dr. Robin Lester, Professor, Neurobiology, School of Medicine**

While stone age doctors may have drilled holes in the skulls of patients to release them from the convulsions of demonic possession, trepanation is still used today to quickly reduce intracranial pressure from hemorrhage. Even so, the Egyptians largely ignored the brain in favor of the heart; and while certain Greek philosophers and physicians associated the brain with sensation, mental and emotional function, others still endorsed the cardiocentric perspective! Over the next millennia or two, neuroanatomists took apart the brain, publishing their beautiful illustrations of the nervous system. But, how did it all work together to produce human behavior? Did animal spirits or pneumatic fluids course through the body, or did mechanical mechanisms push and pull to create sensory-motor reflexes? And where did the mind and soul reside? Meanwhile physicists were literally shocking nerves, and physiologists were recording electrical signals. Refinements in staining techniques allowed the anatomists to recognize individual neurons and glia, and the pharmacologists discovered neurotransmitters that jumped across synapses. In parallel, the clinical fields of neurology and psychiatry emerged based on the deficits resulting from selective brain damage; and parts of the brain (and their connections) then acquired specific functions. In the last few decades, it has become possible to look within the head and observe how activity travels from region to region as emotions, sensations, and cognitive processes take shape.

**CRN: 62151 HC 117-2G HonSem: Strange Brains, UABHH 102**

## [HC 117-VT](#)

### **Talking Immunology: Say What?!**

***Monday/Wednesday 12:20 – 1:35 pm***

**Dr. Heather Bruns, Associate Professor and Dr. Lou Justement, Professor,  
Department of Microbiology, School of Medicine**

The two primary goals of this course are to enhance understanding of the immune system and promote the development of effective communication skills. In this course, students will explore the immune system as friend and foe and its roles in health and disease through the eyes of Matt Richtel, author of *An Elegant Defense*. “The immune system is our body’s essential defense network, a guardian vigilantly fighting illness, healing wounds, maintaining order and balance, and keeping us alive.”

Through activities that parallel the reading of this engaging nonfiction book, students will learn concepts in information literacy such as where to find scientific literature and information, how to determine appropriate sources, perform effective literature searches, and extract relevant information. Students will also engage in activities that emphasize the importance of being able to communicate complex ideas to a broad audience and allow them to develop best practices in effective science communication to the public.

**CRN: 63000 HC 117-VT HonSem: Talking Immunology, UABHH 225**

## [HC 118-1B](#)

### **Film and the World**

***Monday/Wednesday/Friday 9:05 – 9:55 am***

**Dr. Daniel Siegel, Associate Professor, Department of English, College of Arts  
and Sciences**

From the earliest movies, filmmakers have balanced two competing impulses: to show the world as it is, and to imagine the world as it might be. “Realist” films hold a mirror up to the lives that we know, reflecting them back to us in ways that can encourage or unsettle us. Other films show us worlds we have never seen, worlds born of our fears and desires. This class will look at movies from both traditions.

The movies we study will be diverse, some old and some new, drawn from many genres and world cinemas. You are encouraged to take the course even if you’ve never studied film before! Outside of class, students will view films, write about them, and learn to make their own critical documentaries. In class, we’ll examine scenes together, sometimes shot by shot. We’ll discuss, debate, analyze, and enjoy the many ways in which movies engage with— or reinvent—the world.

**CRN: 64829 HC 118-1B HonSem: Film and the World, UABHH 102**

## [HC 118-1C](#)

### **From Esperanto to Dothraki: The Art and Science of Invented Languages**

***Monday/Wednesday/Friday 10:10 – 11:00 am***

**Dr. David Basilico, Associate Professor, Department of English, College of Arts  
and Sciences**

This course has two related but distinct goals. The first is to study the broad phenomenon of invented languages (also known as constructed languages or conlangs). Humans have created languages for special purposes probably since the beginnings of language itself. Some of the best-known invented languages are Esperanto and Volapük, constructed in the late nineteenth

century; they were created for use as auxiliary languages in real-world situations (and are sometimes referred to as auxlangs). Others were created for imaginary worlds, such as artistic use in literary and film applications; Klingon (from the Star Trek universe), Dothraki (from Game of Thrones) and the Elvish languages (from Tolkien's Middle-Earth) are probably the most popular of these. The second goal of the class is to understand and begin to apply the structural elements of language construction. As a class, we will explore the important parts of language, including the phonotactics (sound system), morphology (word structure), syntax (sentence structure), lexicon (vocabulary), semantics (meaning), pragmatics (intent), and orthography (written form) of language. We will take a typological approach, examining what can and can't happen in language as we know it. The major project for students to complete will be an invented language of their own. <https://spark.adobe.com/page/v3BwxYSz1Y22L/>

**CRN: 64886 HC 118-1C Hon Sem: Invented Language, UABHH 102**

## [HC 118-1CA](#)

### **Crime Fiction & Identity**

***Monday/Wednesday/Friday 10:10 – 11:00 am***

**Mary Dutta, Adjunct Instructor**

Crime fiction tells stories of power, knowledge, and justice. In recent decades, those stories have increasingly confronted, corrected, and contextualized the predominantly male, overwhelmingly white, and uniformly straight portrayals of detectives that have long dominated the genre. Crime fiction traditionally concludes with social balance restored, and modern detective tales increasingly find ways to tip that balance in a more inclusive direction. Through novels, short stories, and films, this course will examine how representation in crime fiction has expanded, and how that increased representation both embraces and challenges genre conventions. We will consider issues of authority, discuss the ways in which identity shapes stories and characters, weigh perceptions of guilt and innocence, and grapple with notions of social and legal justice.

**CRN: 65003 HC 118-1CA HonSem: CrimFiction & Identity, UABHH 225**

## [HC 118-1F](#)

### **Witch Narratives**

***Monday/Wednesday/Friday 1:25 – 2:15 pm***

**Dr. Aparna Dwivedi, Credentialed Course Instructor, Department of English  
College of Arts and Sciences**

We will use various multidisciplinary methodological approaches from the domains of history, sociology, and anthropology, to explore the relationship between witch hunts and the processes of land enclosures, economic status, growth of capitalism, rise of medicine etc. After establishing the sociohistorical context of witches, we will go on to study three novels, and parts of the corresponding texts that they derive from, to understand how authors have resisted the established discourse on witches and appropriated the witch narrative from the past to make it relevant in the current global context. For instance, we will situate Maryse Conde's *I, Tituba: Black Witch of Salem* within the context of Arthur Miller's representation of Tituba in *The Crucible*, and gather

other narratives from around the world in order to consider the many appropriations of Tituba's voice in present times. The two other novels will be Gregory Maguire's *Wicked: The Life and Times of the Wicked Witch of the West*, and Helen Oyeyemi's *Boy, Snow, Bird*. Apart from the three novels, all materials will be available on Canvas. The semester will be divided into three sections of about 4 weeks each. In each unit, assessments will be based on small group discussion/participation, and one major assignment involving research, collaboration, and presentation using Adobe Creative Cloud applications. Throughout the semester, students will maintain a reflection blog in which they record their response to the reading materials on a weekly basis.

**CRN: 64828 HC 118-1F HonSem: Witch Narratives, UABHH 102**

## [HC 118-2B](#)

### **Ethical Conflicts in Healthcare**

***Tuesday/Thursday 9:30 – 10:45 am***

**Dr. Mariko Nakano, Assistant Professor, Department of Medical Education, School of Medicine**

This course will be a student-led, discussion-based course that takes an interdisciplinary approach to an analysis of central moral dilemmas in health care research, policy and practice. Topics will include: ethical dilemmas in parental choice, death with dignity, clinical research ethics, biomedical research on nonhuman animals, moral status of human embryos, transplant ethics, triage ethics during a pandemic, and more. Students will (1) discuss those contemporary issues in healthcare research and practice with sufficient knowledge of their historical, scientific, and regulatory background, (2) understand the basic tenets of traditional ethical theories and apply their understanding to constructively critique real life healthcare conflicts, (3) consider how to strike a balance between public ethical debates and personal beliefs, and (4) articulate their criteria of permissible and impermissible practice in health care, so that they can critically examine existing policies and regulations while being based on evidence and solid ethical reasoning.

**CRN: 58397 HC 118-2B HSem: Ethical Conflicts Hlthcre, UABHH 225**

## [HC 118-2C](#)

### **"Now I Become Myself": The Quest for Integrity**

***Tuesday/Thursday 11:00 – 12:15 pm***

**Bill Blackerby, MA, MDiv, Adjunct Instructor**

May Sarton's poem, "Now I Become Myself," points toward the basic human desire to live a life of integrity. Parker Palmer writes that what one is seeking in such a life can be described in a variety of ways. Thomas Merton called that being sought as true self. The Buddhists speak of big self and the Quakers inner light or inner teacher. Hasidic Jews refer to a spark of the divine. Palmer calls that being sought as soul or as integrity. Whatever one calls it, seeking integrity is a lifetime journey of discernment. This course will explore the quest for integrity by hearing from people who have taken this journey and have reflected on it in memoirs, poetry, video talks, and in their life's work. Additionally, guest speakers will share their personal stories about their journeys of discernment. Students will engage the quest for integrity by writing reflection papers on the readings and video lectures, and by participating in small group discussions. A final

paper will ask students to articulate what they have learned about their quest for integrity with an annotated outline of the chapters of their lives

**CRN: 64832 HC 118-2C HonSem: Quest for Integrity, UABHH 102**

## [HC 118-2E](#)

### **Classical Music in Popular Culture**

***Tuesday/Thursday 2:00 – 3:15 pm***

**Julianne Steele, Instructor, Department of Music, College of Arts and Sciences**

This course will explore the role of music in popular cultures around the world and throughout history. With an emphasis on western classical music, an overview of music fundamentals will lay the groundwork for the course (no prior musical knowledge required!). We will then delve into how the presence of music in social experiences serves to build and define communities. Some of the social experiences that will be examined include wartime, religion, celebrations/ceremonies, sporting events, movies, and video games. Through engaging discussion, reading, listening, and concert attendance we will discover how music unites us.

**CRN: 64056 HC 118-2E HnSm: ClassicalMusicPopCulture, UABHH 225**

## [HC 118-2F](#)

### **Film Fest 101: Independent Film and Spreading Knowledge**

***Tuesday/Thursday 3:30 – 4:45 pm***

**Gareth Jones, MA, Assistant Director, Service Learning and Undergraduate Research**

Film as an art form and as a means of challenging the status quo continues to be one of the most effective mediums of spreading knowledge and ideas. Through this seminar, students will create a film festival. The process will begin by watching films, conducting research, and strengthening critical thinking through guided writing and discussion. Students will gain hands-on experience by designing, programming, and implementing a film festival for both the campus community and the Birmingham community at large.

**CRN: 60851 HC 118-2F HnSem: FilmFest101, TBA**

## [HC 118-2FA](#)

### **America's Religious Diversity**

***Tuesday/Thursday 3:30 – 4:45 pm***

**David Loren Barnhart, Adjunct Instructor**

This seminar explores the United States' rich religious diversity. While a majority of Americans who are religious identify as Christian, millions in the U.S. identify with other faith traditions. Birmingham is a good place to encounter this array of religious expression. Not only can one find a wide variety of Christian churches representing numerous denominational and non-denominational affiliations, one can also find religious centers for Jews, Messianic Jews, Muslims, Hindus, Buddhists, Baha'is, and Sikhs within the metropolitan area. This seminar will take advantage this local array of religious expression to learn about many of the faith traditions found in the United States.

**CRN: 64057 HC 118-2FA HnSm: America'sReligiousDiversity, UABHH 225**

## [HC 119-2C](#)

### **Ethical Issues in Women's Health**

***Tuesday/Thursday 11:00 – 12:15 pm***

**Dr. Lynn Nichols, Associate Professor, School of Nursing**

How do healthcare professionals advise their patients regarding difficult ethical situations? What information is considered while these ethical situations are considered by the healthcare team? What rights to patients have and how do healthcare professionals respect these important rights? These questions will be explored in this course, while ethical issues in women's health are explored. This course will focus on ethical issues related to women's health, including, but not limited to: family planning, prenatal testing, surrogate motherhood, sexually transmitted diseases, right to genetic information, fetal viability issues, human trafficking, postpartum depression, domestic violence/abuse, rape/trauma, vaccinations, opioid epidemic, and pertinent political/legal issues. The course will feature discussion of ethical issues in the writing of Florence Nightingale, a pioneer nurse visionary from the 1860s, and students will visit the Reynolds-Finley Historic Library on campus to interact with the original letters of Florence Nightingale and other historical medical instruments that are related to the course. Guest speakers who are experts in women's health will host informative discussion forums during several class sessions. Additionally, students will have the opportunity to earn a Stop the Bleed course certificate. The format of the course will be an engaging seminar and discussion of the issues, with active learning strategies to help the student to gain an understanding of the complexity of ethical issues present in women's health.

**CRN: 58398 HC 119-2C HonSmnr- Women's Healthcare, TBA**

## [HC 119-2F](#)

### **The Research on How YOU Can Succeed in College**

***Tuesday/Thursday 3:30 – 4:45 pm***

**Dr. Christina Morra, Adjunct Instructor**

This course will give students unique insights into how to drive their success in college. Researchers are beginning to parse how complex, intersectional student identity (personal, cultural, academic, etc.) impacts student success in college. Students will explore strategies to leverage their identities to become successful in college. Throughout this course students will reflect on why identity impacts success, why certain strategies are more successful for certain people, and what defines student success. A focus is placed on the research methods used to identify and evaluate strategies for success. By the end of the course, students will (1) begin applying strategies for success in college, (2) understand fundamental aspects of research, (3) have the skills to develop the next generation of research questions on how students can be successful in college, and (4) produce a guide for student success with the goal of sharing their findings from this course with their peers.

**CRN: 64887 HC 119-2F HonSem: ResearchCollegeSuccess, UABHH 102**

## [HC 120-2C and HC 120-2B \(two sections available\)](#)

### **Engineering Experience**

***Tuesday/Thursday 9:30 – 10:45 am \*and\* Tuesday/Thursday 11:00 – 12:15 pm***

**Dr. Zoe Dwyer, Associate Dean, Department of Materials Science and Engineering, School of Engineering**

**Dr. Gregg Janowski, Professor, Department of Materials Science and Engineering, School of Engineering**

Introduction to the profession of engineering, ethics and safety, engineering specialties, career opportunities, and educational requirements; introduction to engineering design, team work, and technical communication; and present and future societal demands on profession. Students will use these tools to analyze and propose a solution to a current engineering problem.

***CRN: 64830 HC 120-2B (9:30) and 64833 HC 120-2C (11:00) HonSem: Engineering Experience, EEC 354 and CH 19-B1***

## [HC 120-VT](#)

### **Safety and Sustainability-The Eco-Soap Making Project**

***Tuesday 2:30 – 4:30 pm***

**Dr. Rani Jacob, Assistant Director of Research Health & Safety, Department of Environmental Health & Safety**

**Judith McBride, Director of Laboratory Health and Safety, Department of Environmental Health & Safety**

The soap-making project using recycled materials would use a hands-on approach to teach safety and sustainability. The project will use the concept of upcycling to transform waste materials and by-products into useful biodegradable commodities. It is very important to teach students to consider the concept of safety and sustainability while designing their science projects. This soapmaking project is intended to address all three components of sustainability (environmental, economic and social) while emphasizing safety. Every year UAB spends thousands of dollars to dispose of unused lab chemicals. This project will illustrate a way to repurpose some of the chemicals collected from the UAB chemical disposal facility. The students will collect waste cooking oil and mix it with repurposed chemicals from the waste facility to make biodegradable handmade soap via saponification process. After the completion of the saponification, the hot soap is then transferred into molds of different shapes and left to dry. The mold can be made from inexpensive recycled materials like milk carton, Pringles container, yogurt containers etc. Students can also design and print different shapes of molds using the 3-D printing technology at Makers Space. The soap will then be distributed to charitable organizations or shelters. The soap-making project will be carried out inside a chemical fume hood at the training laboratory of the Department of Environmental Health and Safety under the supervision of safety professionals. Students will conduct a risk assessment for each step and develop safety plans before engaging in the activities. They will be learning about and applying different exposure control strategies used in research laboratories. Each of these activities is a team effort to emphasize the concept of working as a team. Working effectively in a team and

learning to rely on team members is essential for creating a culture of safety in the laboratories, and ultimately in the workplaces when students enter the workforce.  
***CRN: 62973 HC 120-VT HonSem:Eco-Soap Making Project, CH19-B1***