ALMA COLLEGE

SPRING TERM

May 6 – May 28, 2021

General Information

Registration. Registration for the 2021 Spring Term takes place February 1 through February 5. Students needing guidance on selecting a course need to connect with their advisor. Online registration will close at midnight on February 7.

Registration is prioritized by student academic standing. Please see the Registrar's website to confirm your window for registration. **The registration system opens at 8:00 a.m.**

No registration is allowed for students who have a Business Office hold on their account. Please contact Kate Adams at (989) 463-7453 to discuss the account balance and develop a plan that will allow registration to take place.

First Class Day. Classes begin Thursday, May 6, 2021. Students may return to campus after noon on May 5th.

Special Notes:

1. Students enrolling in courses that require "Permission" (instructor signature) may register at any time during the registration week **by using the electronic Drop/Add form through the Inside Alma system.**
2. Students registering for a practicum, an independent study, or a field experience need to submit the respective electronic form which may be found at inside.alma.edu >> Under My Forms select "Other Forms" >> Registrar's Office >> select form.
3. Students may be enrolled in a maximum of 4 credits during Spring Term.
4. Completion of two Spring Terms is required for graduation.
5. One of the two Spring Term courses must be a designated "S" course indicated with symbol: S

Drop/Add

Should you decide to change your Spring Term registration after an election has been made, a Drop/Add form may be completed electronically after the Student Planning portal is closed for registration. The last day to add a Spring Term class is Tuesday, May 11, 2021. The last day to drop a Spring Term class or elect the pass/fail option is May 21st.

Charges

Tuition and Room. Students enrolled in Spring Term pay $1,764 for tuition and $600 for board, there is no room charge.

Fees. Equipment, laboratory, travel and off-campus room/board fees are charged as listed on the schedule and **are in addition to tuition.** An adjustment to room and board fees may be made for travel courses. All special fees must be paid in advance.

Spring Term Tuition - No refund of tuition for withdrawals that occur after the fifth business day from the start of the term. A full refund is provided for withdrawals during the first five business days of classes.

ANT 218M Introduction to GIS
Dr. Kristin Landau
Online Synchronous
SO, UL,
Have you ever wondered how Google Maps works? Did you notice any patterns in the distribution of COVID-19 cases across the country? What is the relationship between pesticide-use and contaminated waterways? Geographic Information Systems (GIS) analysis can answer all of these questions and more. GIS represents both a software platform and a set of tools to display, analyze, and store spatial data. The demand for skilled GIS analysts is projected to grow in the coming years, in industries as diverse as urban planning, environmental science, epidemiology, anthropology, and military intelligence. Toward that end, in this introductory course you will learn the basic concepts underlying GIS through class discussion, and apply these concepts by executing GIS procedures through ESRI's ArcGIS Pro software package. By the end of the course you will become adept at representing the 3D world in a 2D environment, creating representative and ethical maps, and answering research questions through the spatial analysis of data.
Limit: 18. **Prerequisite:** None.

ART 280M Raku Kiln Wonders
Mr. Alex Zablocki
Lecture
AH, UL
With its origins in 16th century Japan, Raku firing has been embraced by 21st century ceramists, who delight in balancing their skill and control of materials with the spontaneity and, sometimes unpredictable, nature of the process. Study forming techniques and design issues for ceramic forms in general, while working with the clay bodies, low-fire glazes, and special post-firing techniques specific to Raku. Pending the pandemic situation, field trips to the Japanese Tea House and Cultural Center in Saginaw and to the studio of a leading Michigan ceramist will inform work done in the studio.
Limit: 12. **Fee:** $40. **Prerequisite:** ART 140 or permission.

ART 319M/NMS 300M Art Theory/Media Theory & Culture
Dr. Anthony Collamati
Lecture
UL, (AH & for ART 319)
This class examines pivotal arguments about media, art, and technology and their role in formulating truth, history, and questions of being. It introduces a variety of theoretical approaches—from fields including communication, science, art, and philosophy. In addition to texts, the course surveys works of art and media artifacts, such as films, photographs, and interactive designs. The goal is for students to develop a critical awareness of contemporary life by becoming conversant in a history of ideas about creation and meaning.
Limit: 20. **Prerequisite:** ART 101 or NMS 101

AST 101M Planetary Science
Dr. Melissa Strait
Lecture
NS-2
Examines the solar system from the perspective of the interdisciplinary fields of planetary science. Study of both solid surfaces and atmospheres using the concepts and techniques of astronomy, geology, atmospheric science, meteoritics, physics and chemistry. Work involves theoretical and experimental studies of planetary processes at an introductory level in lecture, discussions and laboratory. **Limit:** 24. **Fee:** $25. **Prerequisite:** MTH 100

BCM 180M/380M Synthetic Biology
Dr. Devin Camenares
Lecture
NS-1, UL for 380M
Synthetic biology is a new and exciting field, the aim of which is to program new behaviors into living systems. This course will serve as your introduction to the field. It will also prepare you to be a leader on the Alma team in the International Genetically Engineered Machine competition (iGEM), the premier annual event in synthetic biology. In this interdisciplinary course, we will study past iGEM teams and synthetic biology projects, and examine the broader social impact of their work. We will discuss methods of DNA assembly, design genetic circuits, and model their behavior. You will even get to build your own genetic circuit in the laboratory.
Limit: 24. **Fee:** $200.00. **Prerequisite:** BCM 180M: None; BCM 380M: BIO 121 or permission

BIO 180M/380M Ethnobotany of Michigan: Medicinal Plants of "The Bog"
Dr. Brian Doyle
Lecture
NS-1, UL for 380M
Most native plant species growing in forests, fields, and even along the side of the road in Michigan have been used as medicine or food by Native Americans, and many introduced, or "exotic," species were brought by colonists because of their medicinal or other useful properties. As researchers struggle to develop adequate antibacterial and antiviral drugs, there has been renewed interest in exploring the vast chemical diversity found in nature, and plants, historically the basis of almost all medicines, are likely to continue to be a source of new therapeutic molecules. Studying the ways in which humans have used plants as medicine throughout history and around the world can guide researchers towards the plant species that are most likely to yield promising new therapeutic molecules. This course will focus on the medicinal and edible plants at the Alma College Ecological Station, aka "The Bog," but you can find many of the same plants in your own backyard. You might be surprised to learn that some of these plants contain molecules that are the basis of life-saving cancer chemotherapeutics while others have yet to be thoroughly investigated by researchers. We'll discuss the botany, ethnobotany, chemistry, and pharmacology of Michigan plants as well as field and laboratory techniques related to ethnobotanical and ethnopharmacological research. **Limit:** 20. **Fee: $50. Prerequisite:** BIO 180: None; BIO 380: BIO 121.

BIO 125M/325M Molecular Techniques
Dr. Tim Keeton
Lecture
NS-1, S, UL for 325M
The course is an introduction to basic molecular biology laboratory techniques and applications. Prepares students for upper level courses and summer research internships and independent studies in the molecular sciences. Laboratory. **Limit:** 20. **Fee:** $300. **Prerequisite:** BIO 125M: None; BIO 325M: Junior or Senior Standing.

BUS 224AM Managerial Accounting
Mr. Tom Ealey
Online Synchronous
UL
Study of accounting in the manufacturing and service sector, cost allocation and analysis, development of cash flow statements and analysis of financial statements. Emphasis on how cost and managerial accounting concepts and methods apply to the decision-making process. Students cannot earn credit for both BUS 222 and BUS 222A-E. **Limit:** 25. **Prerequisite:** BUS 221.

BUS 380M Strategic Leadership
Ms. Tina Rolling
Online Synchronous
UL, S
OPEN TO ALL STUDENTS. Today's business leaders confront an increasing array of choices in an environment characterized by constant change. Leadership requires knowledge and technical competence, but as important is the development of the skills needed to align, motivate, and guide diverse teams to perform at the highest levels in rapidly changing environments. This course will utilize a number of methods to engage the students in the kind of decisions that today's leaders face. Key to the class will be the opportunity to meet with successful alumni from a range of fields, in order to gain their perspectives on the characteristics of successful leadership. The class will be held online and meet daily.
Limit: 18. **Fee**: $250.00. **Prerequisite:** Permission.

CHM 411M Advanced Organic Chemistry
Dr. Jeff Turk
Lecture
NS-2, UL, S
An advanced study of spectroscopic and synthetic methods with an emphasis on biologically relevant molecules. This course has an intensive laboratory component that helps prepare students for post-graduate studies or direct employment in the scientific community. Advanced techniques include multi-dimensional NMR, rotary evaporation, chromatography, solid phase synthesis, reactions requiring inert atmospheres and multi-step synthesis. Special emphasis will be placed on developing laboratory procedures from the primary literature. Laboratory. **Limit:** 25. **Fee:** $50. **Prerequisite:** CHM 230 or Permission.

COM 353M Risk & Crisis Communication
Mr. Anthony VanWitsen
Lecture
AH, UL
This course examines the communication practices and resources through which individuals, groups, agencies, media organizations, and communities recognize and respond to natural and socially created risks and crises. Topics include the nature and types of risks and crises, the functional requirements for effective risk and crisis communication, the organizational and procedural elements of risk and crisis communication systems, and the communication skills needed to design and disseminate the verbal, visual, and multi-media messages to reduce risks and manage crises. The course will also examine different individual and social perceptions of risk; that is whether different people or different groups view different activities as risky or not.
Limit: 20. **Prerequisite:** COM 243 or 253, or Permission.

CSC 235M Computer Game Design
Dr. Andrew Thall
Lecture
, , NS3, UL
Explores the process by which computer games go from conception through formal design to implementation and testing. Uses coursework and team projects to cover aspects of the design process including brainstorming and narrative development, game programming, art and sound design, and marketing.
Limit: 20. **Prerequisite:** CSC 121, or permission.

DAN 380M/HUM 380M Dance & Pop Culture
Ms. Rosely Conz
Online Synchronous
AH, , UL,
What are the dances from stages, clubs, and screens that have drawn attention in the U.S. over the last century? Where do they come from? This class will explore and contextualize dance in popular culture and analyze who dances, how they dance, and how movement constructs identity and history. We will look at dances from around the world (e.g., Africa, Central, and South America) and their influences on U.S. culture. The course introduces methods for critical analysis and reveals the hidden heritage of dances we see in clubs, television, films, and musicals. Through reading selections, videos, and discussions, students will discover how popular dance reflects and affects perceptions of age, ethnicity, economic status, and disability. Overarching themes include the role of media in the development and dissemination of dance and issues of innovation and appropriation.
Limit: 18.

ECN 180M/ECN 380M Computational Models
Dr. Nhan Le
Hy-Flex
SO, UL for 380M
Computers can do more than simply solving problems superfast. Computer-based methods have inspired and enabled people to make amazing achievements in engineering, biology, environmental studies, economics and finance, etc.
Together, we will create mathematical models to analyze a wide variety of real-world problems. We will learn how the computer solves these models. We will write computer codes on the software MATLAB to solve and apply the models. We will also evaluate and improve existing models based on their usefulness and clarity. By the end, students of the course will master core computing techniques widely used in academic and business research.
The course is designed for students with experience in pre-calculus. No previous experience with computer coding is required. Strong math skills are welcome but not required at first: with an interactive and collaborative learning environment, the instructors hope to help students discover their own dormant interest in applied mathematics and use such tools to expand their critical thinking skill set.
Limit: 20. **Prerequisite:** ECN 180M: None, ECN 380M: ECN 111 or ECN 112.

EDC 493M Directed Teaching: Early Childhood
(2 Sections)
Dr. Peggy Thelen
Lecture
UL
Directed teaching experience of 280 hours in an early childhood setting under the guidance of a professional early childhood educator. Under guidance of cooperating teacher, students work effectively with parents as partners in their children's education. Students in the Directed Teaching course regularly reflect on and evaluate their experience with a College Field Instructor. Pass/Fail only.
Limit: 15. **Prerequisite:** EDC 183, 281, 282, 283, 383, SOC 220; TEP and ST Approval.

ENG 180M/WGS 280M Disney Fairy Tales
Dr. Chih-Ping Chen
Lecture
AH for ENG 180M, UL for WGS 280M
This course follows some thematic threads of literary fairy tales and Disney adaptations from the seventeenth-century to twentieth-century--such as the Snow White stories, the Sleeping Beauty stories, etc.—to compare/contrast the changing "civilizing" missions of fairy tales. With each story version, we close read the narrative elements (archetype, simile, metaphor, symbol, plot, setting, point of view, etc.) for analyzing how the stories carry messages. We also connect the stories to the social/cultural background and issues of gender, female beauty ideal, rites of passages, class, race, etc., to understand more why fairy tales convey both the "universal" appeal and pop culture significances.
Limit: 20. **Fee:** None. **Prerequisite:** None.

ENG 280M Fan Cultures
Dr. Matt Cicci
Hy-Flex
AH, S, UL
From Punk Rock to One Direction and from My Little Pony to English Football, this seminar explores media fandoms and the "texts" they revolve around. Particular attention will be paid to these fandom's values, practices, and membership, as well as the transformative works they produce. Students will engage with primary texts to see how they form fandoms and they will visit fandoms as they perform at conventions, conferences, and events. Students will also navigate fan created paratexts to better understand how far-reaching and impactful textual interpretation and reinterpretation can be while simultaneously examining the commercial/business effect of today's fan practices. Finally, they will immerse themselves in contemporary cultural scholarship so as to gain critical perspective of fan cultures.
Limit: 20. **Fee:** $350. **Prerequisite:** None.

HST 180M/380M "Best Sellers" in the First Information Age
Dr. Danny Wasserman
Lecture
SO, (& UL for 380M)
Today, the internet has made an unprecedented amount of information available to us. But in the past, humans have experienced other "information revolutions." The development of the printing press in Europe (c.1450) permanently changed the ways that people communicated ideas. The printing press facilitated an exchange of knowledge on a scale that had not been possible ever before. In this course, we will study sixteenth- and seventeenth-century Europe through reading some of the most popular books of the time, as well as more recent scholarly analyses of printing and its influence in early modern Europe. We will consider what sorts of books European readers sought most frequently. We also will explore the challenges that this newly accessible information posed for religious and political authorities.
Limit: 20. **Prerequisite:** HST 180M: none; HST 380M: Sophomore standing and one (1) history course, or permission.

HST 272M Plagues & Peoples
Dr. Patrick Furlong, Dr. Karen Ball
Lecture
SO, S,
Scientific and historical approaches to explore the connections between major epidemics and world history, combining a general overview of the subject with more focused case studies. Study the social, economic, political, cultural, religious, and technological contexts in which epidemics arose, how those contexts shaped responses to them, and the impact of these epidemics on society at large. (ESPIT/GP)
Limit: 20. **Prerequisite:** Permission.

HUM 110M Fine Arts Education
Dr. Sheryle Dixon
Lecture
AH, S
A study of the knowledge, understanding and application of the content, functions, and achievements of dance, music, theatre, and the visual arts to promote one's ability to create, perform and respond in and through the arts. While the course will be of special interest to Elementary Education majors, it is designed to be accessible to all interested students. Pending the pandemic situation, we might be able to go to the Detroit Institute of the Arts as well as attend local theater, dance, and/or music performances. Fees will be refunded if travel is not possible.
Limit: 20. **Fee:** $200.

HUM 380M/DAN 380M Dance & Pop Culture
Ms. Rosely Conz
Online Synchronous
AH, , UL,
See DAN 380M.
Limit: 18.

IPH 280M Fitness Assessment & Exercise Prescription
Dr. Alex Montoye
Lecture
Hands-on assessment skills for health-related fitness components. Development and implementation of individualized exercise prescriptions based on fitness and goal assessments for healthy and diseased individuals. Laboratory.
Limit: 24. **Prerequisite:** IPH 220.

IPH 380M Meals on Wheels
Ms. Marlene Wenta
Lecture
, UL
The course will explore sports nutrition and the relationship between the food you eat and your physical performance. We will consider how nutrition influences various body processes associated with energy production and recovery from exercise. The course will primarily involve road cycling, although other forms of exercise, such as walking, Zumba, etc. may be incorporated at times throughout the class. Participants must be prepared to cycle 500-600 miles throughout the term, including multiple group rides each week. Dependent on COVID-19 restrictions, there may be overnight trips involved; including 1 night and 2 night stays. Course fees will cover an Alma College cycling jersey, support (SAG) driver fees, nutrition for rest stops, lodging for any overnight stays, and expenses and/or stipend for one meal each day for overnight stays. Students will be responsible for all other expenses, including additional meals during overnight stays. The course is open by **instructor permission** to those that have a reliable fitness/hybrid or road bicycle. Any student interested in the course should contact the instructor for an application via email.
Limit: 14. **Fee**: $800. **Prerequisite:** Permission.

IPH 403M Neurophys & Motor Control
Dr. Jennifer Vranish
Lecture
UL
This course will explore the role that the nervous system plays in controlling, coordinating, and/or executing all of the human body's vital functions. Central concepts will include homeostatic mechanisms (e.g. autonomic function and thermoregulation) and control of movement (e.g. cortical regulation and neuromuscular physiology). In addition to traditional texts, students will be exposed to primary scientific literature and clinically-relevant examples of nervous system dysfunction. The class will meet for discussion-style lectures as well as make visits to the human performance lab for hands-on examples related to material discussed in class.
Limit: 20. **Prerequisite:** IPH 227 or BIO 207 and Junior Standing.

NMS 230M/330M Game Design I & II
Dr. Lauren Woolbright
Online Synchronous
UL, ,
Video game development is a burgeoning creative field that requires collaboration of experts with a variety of skill sets. Students in this course will take on the intense task of designing a video game from concept through storyboarding to prototyping and playtesting a paper model. Students will develop a game design document outlining the game's mechanics and story and will create art assets for game. Each student will demonstrate proof of concept for their game in a presentation using the assets they developed. No coding experience is necessary for this course, and no coding will be required in the course.
Limit: 25. **Fee**: None. **Prerequisite:** NMS 230M: none; NMS 330M: NMS 230.

NMS 280M/WLC 280M World Cinema
Mr. Nicholas Wracan
Hy-Flex
UL and (AH & for WLC 280M)
Students will be introduced to a variety of films from film industries and filmmakers outside of the U.S. The course will focus on political and cultural influences, as well as relationship to Hollywood and the overall cinematic landscape.
Limit: 20. **Fee:** None. **Prerequisite:** None.

NMS 300M/ART 319M Media Theory & Culture/Art Theory
Dr. Anthony Collamati
Lecture
UL,
See ART 319.
Limit: 20. **Prerequisite:** NMS 101 or ART 101 or Permission.

NUR 210M Clinical Skills, Medical Math & EMR (2 sections)
Ms. Laura Jean-Francois/Ms. Melodee Babcock
Lecture
Provides the theoretical base for nursing therapeutics (clinical skills, medical math and EMR) to provide safe-effective patient centered care. Patient centered caring practices are expanded to include issues of privacy, confidentiality, and responses to diversity. Quality and safety standards/competencies for nursing therapeutics are introduced and practiced within a laboratory setting. Students must also enroll in NUR-211.
Limit: 16. **Fee:** $50. **Prerequisite:** IPH 227, IPH 344, IPH 328 and IPH 340.

NUR 211M Physical Assessment (2 sections)
Dr. Ruth Chaplen/Ms. Wendy Webster
Lecture
Provides the theoretical base for a comprehensive health history and physical assessment utilizing the nursing process for a well adult patient. Incorporates spiritual, socio-cultural, psychological and physical dimensions of the patient for the health history and physical assessment. Patient centered caring practices are expanded to include issues of privacy, confidentiality, and responses to diversity. Quality and safety standards/competencies for the physical assessment are introduced and practiced within a laboratory setting. Student must also enroll in NUR 210.
Limit: 16. **Fee:** $150. **Prerequisite:** IPH 227, IPH 344, IPH 328 and IPH 340.

NUR 360M Community/Global Nursing Experience
Dr. Renee McCune
Online Synchronous
UL, ,
Provides the theoretical base to prepare professional nurses to become competent to care for the needs of patients from a designated community. The interrelationship of the patient, health, nursing and the environment are explored and practiced within a designated community setting. This course explores the health outcomes of a group of individuals, including the distribution of such outcomes within the group. The outcomes of mortality, quality of life and disparities will be examined through the reciprocal determinant factors of health care, individual behavior, social environment, physical environment, and genomics. The student will examine how policies and programs impact outcomes and determinants within current urban and global health care settings.
Laboratory/practicum
Limit 24. Fee: None. Prerequisite: None

NUR 500M Clinical Immersion Practicum
Dr. Ruth Chaplen
Lecture
UL
Provides for the transition of the student nurse to a professional baccalaureate nurse within an interdisciplinary, population-based model of care. The practicum is an immersion experience in which the student has the opportunity to practice the role of an entry-level baccalaureate nurse under the guidance of faculty and the direct supervision of an experienced clinician. Seminars are held to examine issues facing entry-level practitioners, such as ethical challenges, role transition, team building, conflict management, delegation, population-based care and community outreach, along with cost and quality outcomes in health care. Laboratory
Limit: 16. **Fee:** $200. **Prerequisite:** Permission.

POL 280M The Politics of Remembering
Dr. Britt Cartrite
Lecture
SO, UL
As protests swept across America in the summer of 2020, one of the major actions was the removal of a number of statues and the vandalization of many more, particularly but not only in the American South. These actions demonstrate that public monuments are widely understood as potent political symbols and raise a number of questions: who decides what will be publicly memorialized?; what should be memorialized?; how should it be remembered?; what if attitudes about the memorial change? This course explores these topics through two lenses. First, in two simulations we will explore the dynamics around remembrance in the United States, with a focus on the Vietnam War Memorial, and Argentina, following the restoration of democracy. We will then turn to the current controversies surrounding US memorials through individual projects, as well as a case study of the renaming of an Alma College residence hall this past summer. If local travel is possible, we will visit monuments in Alma and Ithaca.
Limit: 20. **Prerequisite:** None.

SOC 224M Women, Work & Calling
Dr. Catherine Fobes
Online Synchronous
SO, UL, ,
Examines the concepts of work, vocation, and calling as they apply to the lives of women, from a sociological perspective. Students are encouraged to apply insights from this course to their own vocational journeys.
Limit: 20. **Fee:** None. **Prerequisite:** None

WGS 280M/ENG 180M Disney Fairy Tales
Dr. Chih-Ping Chen
Lecture
UL for WGS 280M, AH for ENG 180M
See ENG 180M.
Limit: 20. **Prerequisite:** WGS 101 or 102, or Permission.

WLC 180M Visions of French Africa
Ms. Khanssa Canning
Online Synchronous
AH &
The course is designed to introduce students to the diversity of French and Francophone Cultures, especially in Africa.
Through the means of diverse media: photography, painting, music, and texts, we will be exploring the notions of Race, Other, Orientalism, and exotism in Africa allowing the students to be able to engage with different approaches to the cultural productions of several areas.
The course will introduce students to Francophone media, art, and literature, highlighting the diversity of the Francophone world, where we will be exploring an assortment of controversial topics such as race, cultures, and postcolonial politics. Students will be introduced not only to French and Francophone culture but will also be reinforcing their critical thinking skills using text, image, and discourse analysis while examining a range of cultural artifacts of the Francophone world.

Limit: 20. **Prerequisite:** None.

WLC 280M/NMS 280M World Cinema
Mr. Nicholas Wracan
Hy-Flex
UL, and (AH & for WLC 280M)
Students will be introduced to a variety of films from film industries and filmmakers outside of the U.S. The course will focus on political and cultural influences, as well as relationship to Hollywood and the overall cinematic landscape.
Limit: 20. **Fee:** None. **Prerequisite:** None.