JANUARY PROGRAM

January Program (Jan Plan) options include courses for credit, independent study, internships, noncredit courses, and faculty-led courses abroad.

Selected courses offered in January may be used to fulfill the January Program requirement, which is described in the Academic Requirements section. A complete list of offerings is available through the Curriculum Search link on the registrar’s website in October, when students elect a course for the January term. Some Jan Plans, such as those that involve travel or other special arrangements, may have early information sessions and application deadlines or may require a deposit. Enrollment is limited to 30 or fewer students in nearly all courses. First-year students have priority in all noncredit and 100-level courses unless otherwise indicated.

A more complete description of the January Program with information about previous Jan Plan activities is maintained at colby.edu/janplan. An online list of Jan Plans there is updated each year during the fall semester.

Most courses to be offered in January are described under the sponsoring academic department or program in this catalogue along with the regular semester offerings (a “j” following the course number indicates a January Program course). Some courses, however, are independent of any specific department and can be found by searching for “JP” courses in Curriculum Search on the registrar’s website.

Examples of such Jan Plans offered in recent years include Mindfulness, Furniture Making, Blacksmithing, Sheep to Shawl, Stress and the Human-Environment Interaction, Meteorology, Premed Academy, and Introduction to Entrepreneurship.

Course Offerings

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<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor(s)</th>
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<td>AA338j</td>
<td>Field Study in African Development</td>
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<td>SEAY</td>
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<tr>
<td>AM117j</td>
<td>Fundamentals of Screenwriting</td>
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<td>VAN TIL</td>
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<tr>
<td>AR131Jj</td>
<td>Introduction to Studio Art</td>
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<td>A. BOURNE</td>
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<td>AR136j</td>
<td>Introduction to Digital Media Design</td>
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<td>A. JACOBSON</td>
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<td>AR217j</td>
<td>Figure Drawing and Anatomy</td>
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<tr>
<td>AR218j</td>
<td>Architectural Design Workshop</td>
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<td>SHAW</td>
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<tr>
<td>AR219j</td>
<td>Introduction to Bookbinding: Techniques and Intangibles</td>
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<td>EDDY</td>
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<td>AR221Jj</td>
<td>Drawing I</td>
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<td>A. K. ENGMAN</td>
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<td>AR288j</td>
<td>Global Photographies</td>
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<td>AY119j</td>
<td>The Anthropology of Utopias</td>
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<td>AY125j</td>
<td>Design Thinking and Product Innovation</td>
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<td>BI111j</td>
<td>Emergency Medical Technician Training</td>
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<td>BI118js</td>
<td>Sustainable Agriculture and Food Systems</td>
<td>3</td>
<td>N. MARSHALL</td>
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<td>BI197j</td>
<td>Biodiversity Conservation in a Rapidly Changing World</td>
<td>3</td>
<td>N. DONIHUE</td>
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<td>BI242j</td>
<td>Comparative Biomechanics</td>
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<td>BI265j</td>
<td>Introduction to Human Anatomy and Physiology</td>
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<td>N. KLEPACH</td>
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<tr>
<td>BI329j</td>
<td>Synthetic Biology</td>
<td>3</td>
<td>FERNANDEZ-ROBLEDO</td>
</tr>
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Generated July 17, 2020, on colby.edu
BI358j  Ecological Field Study in Belize  Three credit hours.  MCCLENACHAN, NEAL

BI371j  Applied Biomedical Genomics  Three credit hours.  TILDEN

CI297j  Postwar U.S. Cinema and Culture, 1946-1964  Three credit hours.  HAUSKE

CL143j  Introduction to Greek and Roman Archaeology  Three credit hours.  H. GARLAND

CL147j  Representing Rome  Three credit hours.  L. WELSER

CL197Bj  Gladiators and Ghosts: Death and the Afterlife in Ancient Rome  Three credit hours.  L. CURRIE

CS269j  Computer Game Design  Three credit hours.  MAXWELL

EC117j  Introduction to Financial Decision Making  Three credit hours.  LARGAY

EC171j  Global Financial Markets  Three credit hours.  ATKINSON

ED221j  Creating Media for Social Change  Three credit hours.  PIERCE

ED225j  Teach Freedom  Three credit hours.  AYERS

ED228j  Women, Children, Gender, and Human Rights  Three credit hours.  DOHRN

ED297Bj  Indigenous Knowledge(s), Education, And Schooling  Three credit hours.  SABA

ED351Jj  Practicum in Education  Three credit hours.  PROTO

ED374Jj  Educating All Learners in Inclusive Classrooms  Three credit hours.  PARISER

EN120Pj  Language, Thought, and Writing: Critical Writing  Three credit hours.  W1. OSBORNE

EN174j  Public Speaking  Two credit hours.  DONNELLY

EN237j  Postcolonial Pastoral: Ecology, Travel, and Writing  Three credit hours.  L, I. ROY

EN297j  For Colored Girls: Writing a Choreopoem  Three credit hours.  A, U. WHITE

EN397j  Radical Romantic Poetry, 1750 to 2020  Three credit hours.  L. ROBINSON

EN413Sj  Author Course: Two Early 19th-Century Novelists: Scott and Austen  Three credit hours.  L. SUCHOFF

ES143j  Sustainable and Socially Responsible Business  Three credit hours.  PENNEY

ES151j  Landscapes and Meaning: An Exploration of Environmental Writing  Three credit hours.  L. MACKENZIE

ES214Jj  Introduction to GIS and Spatial Analysis  Three credit hours.  GIMOND

ES224j  Creative Environmental Storytelling  Three credit hours.  WILLIAMS

ES237j  Advocating for the Environment  Three credit hours.  INCHES
ES279j  Geology of Bermuda  Three credit hours.  RUEGER

ES358j  Ecological Field Study: Belize  Three credit hours.  MCCLENACHAN, NEAL

FR127Jj  French III (Paris)  Three credit hours.  DAVIES

GE279j  Geology of Bermuda  Three credit hours.  N, Lb.  RUEGER

GK111Jj  Introductory Greek  Three credit hours.  BARRETT

GO245Jj  Memory and Politics  Three credit hours.  S, W2.  YODER

GO297j  Writers against the State: Reading the Political Novel in Prague  Three credit hours.  L, U.  BABIK

GO297Aj  Data for the People?: Government Data in the Age of Open  Three credit hours.  PAIGE

GO338j  Field Study in African Development  Three credit hours.  SEAY

GO397j  Law and Lawlessness in the United States  Three credit hours.  S, U.  JACOBS

GS245Jj  Memory and Politics  Three credit hours.  S, W2.  YODER

HI226j  Cities from Scratch: A Global History of New Towns  Three credit hours.  H.  MEREDITH

HI297Aj  Cuban Revolution  Three credit hours.  H, I.  BALDACCI

HI297Jj  America’s Whitest State? Immigration in Maine, Yesterday and Today  Three credit hours.  H, U.  ASCH

IT153j  Modern and Contemporary Italian Fiction in Translation in Verona  Three credit hours.  L.  MCFADDEN

JA125Jj  Elementary Japanese  Three credit hours.  SHMAGIN

JP003j  Premed Academy  Students will be paired with MaineGeneral-affiliated physicians in the Waterville area for intensive job shadowing and clinical observation. They will also develop and complete a project of benefit to the practice of the supervising physician and spend time reflecting on their experiences through group discussions centered on relevant readings. Nongraded. Prerequisite: Biology 163 and 164, or Chemistry 141 and 142, or 145; sophomore or higher standing; and significant interest in medicine as demonstrated through previous volunteer work or job shadowing. Application required. Upload résumé, unofficial academic record including courses in progress, and cover letter describing your learning goals and the relevance of the course to your professional plans in CareerLink.  Noncredit.  BERKNER

JP006j  Furniture Making  An introduction to the basic techniques and design skills that will enable students to create fine furniture. Hand- and power-tool techniques taught in a well-equipped shop at the Colby-Hume Center. $100 lab fee. Nongraded. Prerequisite: Permission of the instructor. Contact Daniel Camann at djcamann@colby.edu  Noncredit.  CAMANN

JP007j  Blacksmithing  An intensive introduction to the fundamental processes involved in forging and forming iron (steel), taught in a well-equipped shop at the Colby-Hume Center. Primary focus will be the development of the skills and understanding necessary to complete assigned exercises using fire, hammer, and anvil. Students will also work individually with the instructor to design and execute a final project. Materials fee: $100. Nongraded. Prerequisite: Prospective students should submit a brief essay outlining their interest in the course to the instructor, Steve Murdock, at scmurdock@uninets.net. Final selection will be by personal interview.  Noncredit.  MURDOCK

JP021j  Integrating Mindfulness into Work, Health, Play, Relationship  Mindfulness is the study and practice of paying attention to what is happening right here, right now, before judgment, and responding to the situation from the place of balance and center rather than reacting from old patterns. We will study the history and neuroscience research of mindfulness with emphasis on techniques for everyday life. With lightheartedness we will study the mind/body connection. Our study and practice comes from the work of Nancy Hathaway, founder of the Center for Studying Mindfulness, and Jon Kabat-Zinn, founder and director of the Mindfulness Program at the University of
**JP024j  Sheep to Shawl**  Build a portfolio as you spin wool, silk, cotton and bamboo on a drop spindle and spinning wheel. Learn to knit. See how the characteristics of each fiber type appear in the fabrics we create. Visit a local alpaca farm. Explore color theory through carding, spinning and knot and crochet design. No experience required. Nongraded.  **Noncredit.  FOWLER**

**JP114j  The Wide World of Story**  The shortest distance between two people is a story. No matter what you do in life, being a good storyteller will serve you well. In addition to being an effective way to teach, stories help us influence customers, clients, and voters and win friends. This course will help you get better at this powerful life skill. We will explore personal narratives, comedy, folk/world tales, teaching stories, ballads, and oral history. We will improve our craft, experimenting with voice, song, timing, and movement. After helping each other develop our stories in class, participants will share in at least one other setting: for children, seniors, or in a public venue. Previously offered as JP197C (January, 2018).  **Three credit hours.  A.  GILLMAN**

**JP116j  Firefighting**  Conducted in partnership with the Waterville Fire Department, this course will prepare students to operate as a firefighter. Students will learn skills including fire suppression, ropes, ladders, search and rescue, forcible entry, hazardous material management, vehicle extraction, ventilation, and firefighter safety. The course will consist of both classroom and hands-on skills work. Students must be medically cleared prior to beginning the class, and participate in a weekend of live fire sessions. After completion of the course students will have the opportunity to obtain Pro Board Fire Fighter I certification and to volunteer for the Waterville Fire Department. Nongraded.  **Two credit hours.  ALDERMAN**

**JP118j  Handbell Choir**  Handbells are an old and unique instrument where each person is vital to the performance. We will be looking at the notation, techniques, and terminology specific to handbells. As the music requires, we will also use handchimes. Prior experience with handbells is not required, but a basic understanding of music notation is suggested. The performance at the end of the session will be the final exam. Nongraded. Previously offered as JP197F (Jan Plan 2019).  **Three credit hours.  KELLY**

**JP137j  AIDS and the Meaning of Life**  This class will stimulate personal emotional growth and self-empowerment: it might even change your life. The HIV/AIDS issue is not over, nor is our obligation to address it. Together, we will consider this important topic using a variety of disciplines, from the epidemiology of the disease to the cinematic/theatrical portrayals and everything in between, including the history, sociology, biology, spirituality and poetry of AIDS. Along the way, students will have the opportunity to apply their own interests so that others can benefit from their perspective and expertise. One important "textbook" for this course will be the professor's personal experiences living with HIV from its emergence in the '80s. Previously offered as JP197 (January, 2018).  **Three credit hours.  FRIED**

**JP146j  Values Education: Understanding and Teaching Values in Everyday Life**  Provides an in-depth exploration of key concepts and a history of values in the United States, different approaches to values education, how values systems are formed and function within groups, and the relationship of values and leadership. Course material includes readings from the literature about values, examples from current media, and use of films, literature, and other material from the arts. Participants in this course will come away with a better understanding both of their own values and those of the society in which they live. Previously offered as JP197C (Jan Plan 2019).  **Three credit hours.  S.  MERSON**

**JP148j  From Idea to IPO: Business Strategy Basics for Next Gen Titans**  Poses a key question: why do some organizations succeed and others fail? Through the lens of recent initial public offerings (IPOs) including Uber, Lyft, Pinterest, Snap, Levi's, Beyond Meat and others, students will focus on the concept of sustainable competitive advantage. Beginning with the basics of strategy, students will assess how entrepreneurs take an organization from an idea to an IPO. The class will ponder the decisions made along the way and ask why some firms choose to complete an IPO, while others remain private. Through the use of case studies, students will work in teams and will analyze companies that have succeeded and failed in complex and dynamic environments. The course will conclude with student-led mock board presentations.  **Three credit hours.  POWIS**

**JP151j  Water and Sanitation in Developing Communities**  An introduction to water supply, quality, and treatment in rural and urban developing communities; sanitation practices and technologies; other interventions for improvement of public health; and the social and political issues surrounding water and sanitation in such communities. These topics will be explored through lectures, case studies, readings, and guest speakers who work in international development. Students will critically assess a water or sanitation solution and present their findings to the class. Previously offered as JP197G (Jan Plan 2019).  **Three credit hours.  WAIN**

**JP153j  Meteorology**  Using text and real-time data, students discover how the basic principles of meteorology are used to understand weather systems and learn how to forecast weather patterns using these principles. A field trip allows those enrolled to interact with working meteorologists and discuss how forecasts are made for the public and private sectors. Students present their own meteorological research efforts, demonstrating their understanding of the principles and practices presented during Jan Plan. (Does not earn lab science credit.)  **Three credit hours.  N.  EPSTEIN**
**JP157j Music, Money, and Markets: A Socio-Economic Look at the History of Western Music** Explores how the rise of capitalism, commerce, merchant banking and a burgeoning merchant class affected the makers, consumers, and patrons of western music alike from 1450 to the present. Emerging markets in the history of music will be identified, and several publishers, composers, performers, institutions, and financiers who exploited them will be singled out. Students will be introduced to economic history and theory and will see how composers over a period of 500 years either capitalized on economic trends or did not. *Three credit hours.* KMETZ

**JP197j Consulting 101** An introduction to human capital consulting based on an industrial and organizational psychology perspective. Human capital consulting addresses the people aspects of businesses and organizations, which include recruitment, selection, leadership, teams, performance management, training, workforce planning, communications, and organizational change. Lecture topics include the role of the consultant, client management, and determining objectives and metrics. Students will create skills-based resumes, LinkedIn profiles, conduct a consulting engagement at Colby or with a local organization, and create a "consulting portfolio" of consulting materials and deliverables. *Three credit hours.* BROOKS-SHESLER

**JP197Bj Looking at Cave Art in an Age of Climate Change** Over the course of 20,000 years during the transition from the Ice Age to our current one, Homo sapiens witnessing climate change and mass extinctions ventured deep into caves to create images of animals that survive to this day. In this class, we'll engage with scientific, art-historical, philosophical, and creative interpretations of cave art while developing our own interdisciplinary responses. What does it mean for us to try to interpret images unaccompanied by a written record, images with largely uncertain cultural contexts? What does it mean for us to try to interpret such images now, in our own era of climate change and mass extinction? How does cave art affect us through these interpretive frames? *Three credit hours.* COLLEY

**JP197Cj Malaria: An Introduction** Focuses on malaria, a vector born disease caused by the Plasmodium parasite and transmitted by Anopheles mosquitoes that continues to afflict the poorest populations on the planet. Students will learn about the biology and epidemiology of malaria, transmission dynamics, evolution, clinical treatment and prevention and social implications. The course will be conducted in a seminar format with readings, discussions, written homework assignments, one presentation and a final exam. *Three credit hours.* N, I. LARSON

**JP197Dj Making Home: Community, Place, and Audio Storytelling** As humans, we all seek out a place in the world or a sense of home — what home means, however, and how we make it, is complex and varied. In this class students participate in an ongoing conversation about home, in the classroom and in Waterville, while also learning interviewing, storytelling, and podcasting skills. the course asks, What is home and how do we talk about it? Through readings, podcasts, discussions, and guided exercises, students gain a broader sense of different ways of making and understanding home while also honing their interviewing skills around the topic. students use these skills to carry out interviews in the local area with a diverse range of community members. Students learn to take audio interviews and craft audio portraits. *Three credit hours.* AVILES

**JP223j Art of the M&A Deal** Executing a business acquisition may be the most high-stakes challenge any executive could face. Featuring an experienced M&A professional and other special guest speakers who have spent their careers on the frontlines of major deals, students will learn real-world insights about successful deal making, through the major stages of the process. Students will evaluate a target company and its industry, understand the due diligence process (including data and analytics), price and structure a deal, formulate a negotiating approach and analyze post acquisition considerations to create sustainable value in a transaction. Previously offered as JP297C (Jan Plan 2019). *Prerequisite:* Economics 121. *Three credit hours.* MCHALE

**JP225j Product Management: A Path from Colby to the Tech World** On a software team, a product manager is responsible for guiding the success of a product and leading the cross-functional team responsible for building it (all the while working with individuals of all levels of technical expertise) through establishing the product strategy, product roadmap, and product definition. It is the product owner who ultimately determines the how, when, and what of an engineering team will create software. Students (whether they focus on technical or non-technical paths) will learn about different roles within the world of software, technology, and startups. Previously offered as JP197H (Jan Plan 2020) Nongraded. *Three credit hours.* RIMSA

**JP233j Editing for Publication** Students will be both author and editor as they learn first-hand how an article, essay, or review becomes a published or publishable piece. We will cover the mechanics of editing; look in detail at several style guides; discuss editing for different audiences and media; and explore the different types of editors, along with fact checkers and proofreaders. The class will emphasize the give and take between writer and editor, and the balance between the needs of the author and audience. Previously offered as JP297D (Jan Plan 2019). *Prerequisite:* Any W1 course. *Three credit hours.* SHAVELSON

**JP237j Advocating for the Environment** This is a communications and advocacy course for environmental studies, environmental policy and government majors, as well other interested students. It covers both conceptual and practical advocacy skills required to create change in the environmental field. It presents the practical side of how to effectively communicate and advocate in the current political climate. It coincides with the second half of 129th Maine Legislature, and students will have a chance to observe policy making in action.
Students will learn about the psychology and mental models underlying public policy, apply analytical tools, and draft testimony on an environmental topic of their choosing. These skills are essential for those who would like to pursue social change, public policy, government, and/or environmental issues as part of their career path. Previously offered as JP297E (Jan Plan 2019). Prerequisite: Any Environmental Studies course. Three credit hours. INCHES

JP297BJ  Story Sense and Structure: The Art of Narrative Non-Fiction  Students will explore long-form print journalism to better comprehend elements of effective story-telling and to refine critical-thinking skills. Narrative journalism and story composition techniques, from choosing perspective to maintaining narrative flow within the parameters and ethics of a non-fiction structure, will be discussed. Unique ways of framing stories will be explored. Source material will come from traditional magazines, such as New Yorker, New York Times Magazine and Atlantic Monthly, as well as newer non-fiction platforms such as Epicmagazine.com and Atavist.com. Prerequisite: Any W1 course. Three credit hours. KORTEN

JS226j  Community Organizing and Social Justice  Three credit hours. ASCH

LA297j  Cuban Revolution  Three credit hours. H, I. BALDACCI

LA297Aj  Crime, Violence, and Security in Latin America  Three credit hours. PUCK

MU091fjs  Music Lessons: Noncredit or JP  Noncredit. FACULTY

MU114j  Jazz Improvisation  Three credit hours. A. THOMAS

MU116j  Acoustic/Electric Grunge/Rock Songwriting: A Composition Seminar  Three credit hours. A. FOURNIER

MU118j  African Music  Three credit hours. A. BENISSAN

MU218j  Seeing, Then Hearing: Graphic Design for the Music Industry  Three credit hours. A. JEE

MU223j  Perception of Music  Three credit hours. A. HELM

PH253j  Electronic Measurement in the Sciences  Three credit hours. CONOVER

PL253j  Skepticism East and West  Three credit hours. COHEN

RE242j  The Good Life  Three credit hours. S. HARPER

RU125Jj  Elementary Russian I  Three credit hours. PARKER

SO212Jj  Introduction to GIS and Spatial Analysis  Three credit hours. GIMOND

SO214j  African-American Elites and Middle Classes  Three credit hours. S, U. GILKES

SP132j  Conversation and Composition in Salamanca  Three credit hours. I. ALLBRITTON

ST297j  Epidemics in History: From the Black Death to Ebola  Three credit hours. H. GUERRINI, OSBORNE

ST491f, 492s  Independent Study  One to four credit hours. FACULTY

TD297Aj  Childs Play: Making Great Theater with Children  Three credit hours. A. LEGAWIEC

TD297BJ  Moving Towards Change: Dance and Civic Engagement  Three credit hours. A. CUMBIE