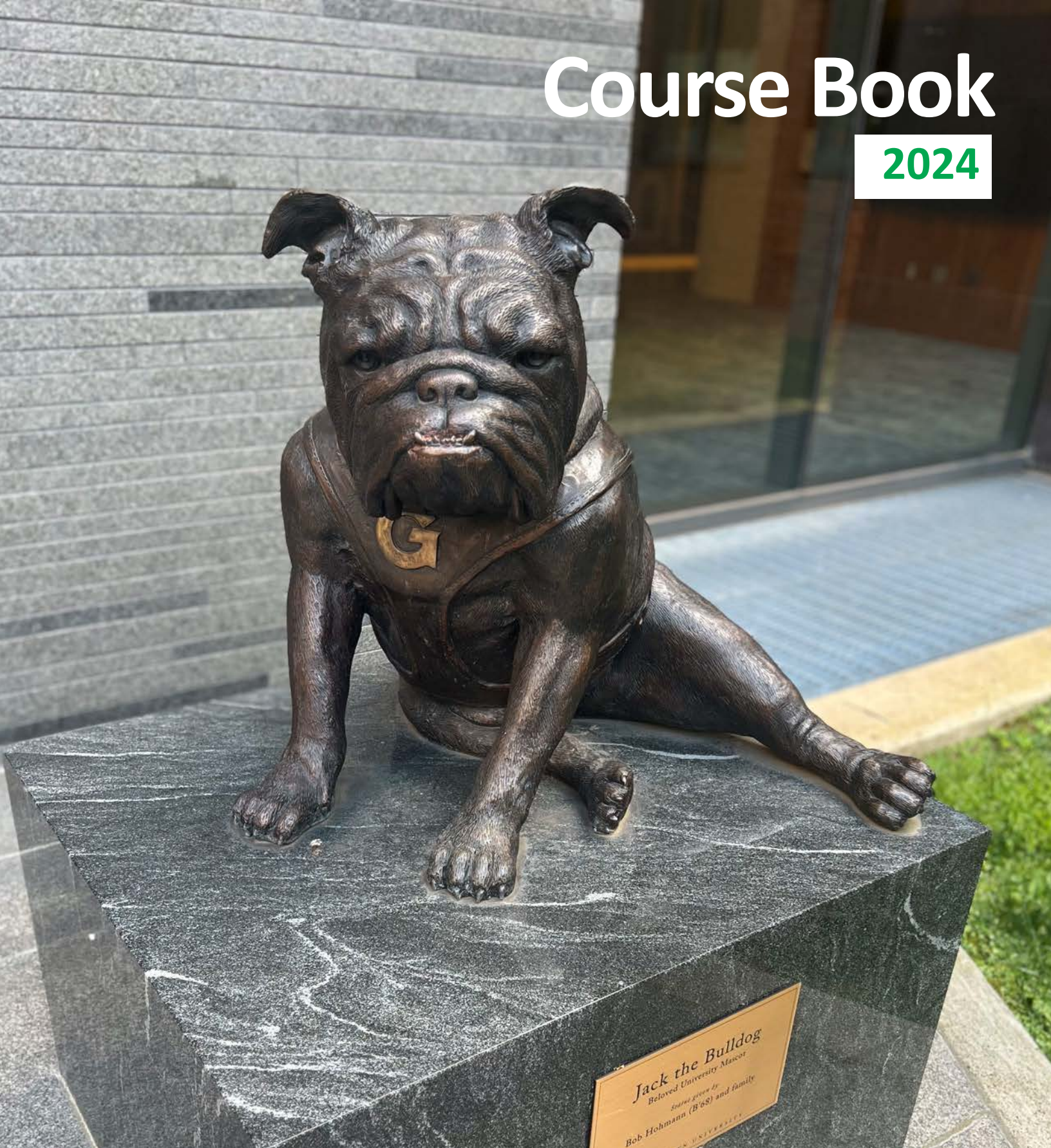


Course Book

2024



summer
discovery
middle school

GEORGETOWN UNIVERSITY
MIDDLE SCHOOL ENRICHMENT



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For more information on our programs, visit www.summerdiscovery.com

2-WEEK ENRICHMENT COURSES

DATES OFFERED

Session 1: 6/30/2024 - 7/12/2024 (Residential Dates)

Session 2: 7/14/2024 - 7/26/2024 (Residential Dates)

Students select 2 enrichment courses - one morning and one afternoon enrichment course for their program. Courses are selected after enrollment is completed. All courses are offered both session 1 and session 2.

Topic	Course Title	Course Time	Length
Entrepreneurship	Entrepreneurship: Charting Your Own Course	Morning	2 weeks
International Relations	Stealing Secrets: Espionage, Intelligence, & Surveillance	Morning	2 weeks
Law & Government	Mock Trial: Order in the Court	Morning	2 weeks
Psychology	Analyze This: Psychology	Morning	2 weeks
Sports Business	Fantasy Football: By the Numbers	Morning	2 weeks
Writing	Master Your Message: Introduction to Essay Writing	Morning	2 weeks
Finance & Business	Investment IQ: Discovering Your Financial Future	Afternoon	2 weeks
Forensics	The Science Behind Crime Solving	Afternoon	2 weeks
International Relations	Foundations of International Relations	Afternoon	2 weeks
Medicine	Careers in Medicine: An Introduction	Afternoon	2 weeks
Public Speaking	Speak Out! The Art of Persuasion	Afternoon	2 weeks

2-WEEK WORKSHOPS

DATES OFFERED

Session 1: 6/30/2024 - 7/12/2024 (Residential Dates)

Session 2: 7/14/2024 - 7/26/2024 (Residential Dates)

In addition to 2 enrichment courses, students need to select 2 workshops – one Monday/Wednesday, and the other Tuesday/Thursday.

Topic	Course Title	Course Time	Length
Art & Design	Art Explosion Jr	Mon/Wed	2 weeks
Physical Education	Healthy Lifestyles Jr	Mon/Wed	2 weeks
Physical Education	Outdoor Sampler Jr	Mon/Wed	2 weeks
Physical Education	Tennis Jr	Mon/Wed	2 weeks
Physical Education	Basketball Jr	Tues/Thurs	2 weeks
Physical Education	Beach Volleyball Jr	Tues/Thurs	2 weeks
Physical Education	Sports Conditioning Jr	Tues/Thurs	2 weeks
Physical Education	Yoga Groove Jr	Tues/Thurs	2 weeks



COURSE TITLE

Entrepreneurship: Charting Your Own Course

SUBJECT AREA

Business; Entrepreneurship

COURSE DESCRIPTION

Do you think you have what it takes to pitch the next great business idea? Experience an engaging, hands-on introduction to the necessary steps to become a successful entrepreneur! This program will help you tap into your business mindset and set you on the path to successful leadership. Students will explore the foundations of entrepreneurship from recognizing opportunities, generating ideas, and innovating. Whether you think you might want to start your own business one day, or work in a leadership position in an established company, the knowledge you'll gain in this course will be fundamental to a successful career. Course topics may include effective communication to garner support to sell your idea, problem solving to overcome obstacles including change aversion, organizational structure and crucial roles needed to build the perfect organization to execute your idea. Understanding these key elements is essential to develop a successful strategy and business plan. Learn what it takes to make a winning pitch, from documenting your new product or service, writing a compelling business plan, and pitching your business idea to investors. Join us and take your entrepreneurial potential to the next level!

COURSE TITLE

Investment IQ: Discovering Your Financial Future

SUBJECT AREA

Business; Business & Finance

COURSE DESCRIPTION

It's never too early to start investing in your financial future! The sooner you learn the power of compounded interest, the better off you'll be. Which is better - a bull market or a bear market? What's the difference between the NYSE and the NASDAQ? How do you read a prospectus? Throughout this course, students will be introduced to the basics of investing, saving, credit, interest rates, stocks and bonds. We will also help students learn how to navigate the stock market, including when to buy, when to sell, and how to make your money work for you. Examine models that compare investment goals if you start investing as soon as you turn 18 versus waiting until you are older - the difference is huge! Students will put together a mini-investment portfolio and hopefully watch it grow! By taking this class, students will learn valuable skills that will build their confidence in their ability to navigate the world of investing and control their financial future.



COURSE TITLE

Master Your Message: Introduction to Essay Writing

SUBJECT AREA

Humanities; Writing

COURSE DESCRIPTION

Why not amaze your high school or middle school teachers with your written prowess? Get a head start on your classmates and learn what it takes to succeed in that high school literature class. In this class, we will examine various elements of essay writing including grammar, mechanics, and syntax. You'll nurture your unique voice and articulate your thoughts with clarity and precision and explore the basics of essay construction, composition, editing, grammar, spelling, and punctuation to write a top-notch essay. With this foundation you will learn to develop your analytical and creative ideas to develop engaging narratives and define your writing. Nurture your unique voice and develop your craft as we break into small interactive workshops. Don't be afraid, pick up that pencil and write away! We invite you to discover the magic of storytelling through the power of words!



COURSE TITLE

Analyze This: Psychology

SUBJECT AREA

Social Science; Psychology

COURSE DESCRIPTION

Do you like scary movies? Have you ever been in a theater when... the ominous music begins, the actor opens the basement door, you try to telepathically tell him not to - your heart is pounding, your palms get sweaty, and you squirm in your seat. What are you so afraid of? What is the psychology behind fear? In this class, students will embark on a thrilling journey to explore psychology and how the brain works. Have fun learning the basics behind psychology as we test theories and conduct classroom experiments to develop a deeper understanding of the emotions that shapes our lives. From understanding the human psyche and psychological theories, to the mind-body connection and real-world application, we will examine how psychological principles are applied in various contexts. Bring your curiosity as we explore the human mind and how it functions to affect behavior.

COURSE TITLE

Foundations of International Relations

SUBJECT AREA

Social Science; International Relations

COURSE DESCRIPTION

Welcome to the complex stage of international relations where the interaction of nations-states, organizations, and individuals shape the global world we live in. In this course we will examine key concepts, theories, and dynamics that govern international relations, politics, and diplomacy. We will examine historical and modern-day relationships between the US and the rest of the world through case studies and analysis of current events, including de-stabilization in the Ukraine and Middle East. Students will learn about international organizations and the roles they play in global alliances and international trade. This course will analyze foreign policy, compare global political systems, and the impact of international terrorism in a post-Cold War world. Through a mixture of teaching, multimedia, and stimulating discussions, students will feel confident in their perspective of current day international relations.

COURSE TITLE

Mock Trial: Order in the Court

SUBJECT AREA

Social Science; Law & Government

COURSE DESCRIPTION

This interactive course gives students an inside view of the American justice system from a courtroom perspective. With this introductory course, students will learn the different viewpoints of various players, and the roles they play in a trial, including attorneys, defendants, witnesses, judges, and jurors. Explore the key components of trial practice and what goes into preparing and presenting arguments on hypothetical legal cases. Develop key critical thinking, problem solving, and public speaking skills crucial to success in the courtroom (and life!). Students will explore tips and techniques for persuasive opening statements, jury selection, witness testimony and cross examination, common objections, and closing arguments. Get your gavel ready, we've got a court date!





COURSE TITLE

Speak Out! The Art of Persuasion

SUBJECT AREA

Social Science; Public Speaking

COURSE DESCRIPTION

Do you struggle to get your point across? Want to learn the best strategies for conveying a winning argument? This course equips students with essential skills in persuasive communication, critical thinking, and effective public speaking. Whether you're already comfortable in the spotlight, or if you want to build your self-esteem to share your original ideas with an audience, come improve your communication, argumentation, and reasoning skills by engaging in debate and public speaking simulations in topics of interest and controversy. Students will explore the fundamental techniques of debate, verbal and nonverbal communication, delivery styles, audience analysis, speech topic selection, and organizational strategies and methods. This is a helpful course to overcome speech anxieties, learn effective ways to articulate ideas persuasively, and inspire confidence in public speaking (and everyday communication). Join us and captivate your audience with the art of persuasion!

COURSE TITLE

Stealing Secrets: Espionage, Intelligence, & Surveillance

SUBJECT AREA

Social Science; International Relations

COURSE DESCRIPTION

Do you love a good spy thriller? Does your heart race at the thought of revealing a hidden truth? Espionage is obtaining secret information through covert action. Explore the history of espionage in the United States and the most notorious international intelligence agencies in the UK, Russia, China, and more. Examine real-world case studies of espionage and the latest surveillance techniques. Consider how technology is changing the face of intelligence, as new forms of cyber espionage are making it more difficult than ever to ensure privacy and data protection within and across borders. Topics will include covert action, espionage, counterintelligence, the different types of intelligence organizations including military and civilian, and much more. Put your analytical, critical thinking, and problem-solving skills to the test to see if you just might be a CIA agent in the making.

COURSE TITLE

Careers in Medicine: An Introduction

SUBJECT AREA

STEAM; Medicine

COURSE DESCRIPTION

Do you have a dream of becoming a doctor? Ignite your passion for a career in medicine! This course will help you explore your options and provide insight into practicing medicine in the United States. Explore different aspects of the medical field - from clinical spaces to public health policy and administration. Learn how to navigate American medical school and evaluate your talents and preferences to identify what areas of medicine you may want to study. Through a combination of in-class lectures, presentations, and discussions, students will take their learning outside the classroom and be armed with the information they need to make informed decisions about career options in medicine and health science. Students will discuss current hot topics including medical ethics, health disparities, biomedical research, epidemics, health care costs, cancer research, genetic engineering, and health care reform. Whether you're drawn to the precision of surgery, the compassion of nursing, or the innovation of research, students will have the foundational knowledge to decide how they want to begin thinking about continued course work in the field of medicine and healthcare!

COURSE TITLE

Fantasy Football: By the Numbers

SUBJECT AREA

STEAM; Sports Business

COURSE DESCRIPTION

The fantasy sports market is estimated to be an almost \$20 billion dollar industry, with an anticipated jump to ~\$50 billion by 2027. With the football segment's leading market share, approximately 40 million Americans play fantasy football. But don't be fooled, fantasy football is not for the faint of heart, and according to a study done by M.I.T., fantasy football is not a game of luck, but a game of skill. Join us as we explore why fantasy football has driven a significant rise in interest in high-level mathematics and computer science. Fantasy football players with advanced degrees in mathematics, statistics, and computer science apply algorithms and advanced statistics to make strategic moves, such as player selection and team management - including draft picks and deciding what players to bench and when. There is a true science to creating a competitive edge. Whether you're a tremendous sports fan or are just driven by anything you can wrap an algorithm around - this course is a fun and engaging way to learn how to apply strategic analysis to this growing sports subculture and thriving online community. Who has what it takes to claim bragging rights?

COURSE TITLE

The Science Behind Crime Solving

SUBJECT AREA

STEAM; Forensics

COURSE DESCRIPTION

Whether you find yourself captivated by the intricate world of crime scenes, eager to unravel the path from evidence to justice, or you're simply fascinated by the actors who bring it to life on TV, this program invites students to embark on a journey into the realm of crime scene investigation. Explore the techniques, tools, and methodologies employed by seasoned investigators in the field of forensics. Students will not only understand the importance of maintaining the integrity of evidence but also learn the intricacies of upholding the chain of custody as they delve into their own crime scene investigation. In this hands-on experience, students will actively participate in the processes of discovering, preserving, and analyzing evidence, including the examination of fingerprints and fibers. They will also engage in diagramming, sketching, and photography, all while navigating the intricacies of balancing critical factors in cases involving firearms evidence, arson, and explosives. Embark on our journey into crime scene investigations and discover if the world on television crime dramas just might become your new reality.

COURSE TITLE

Art Explosion Jr.

SUBJECT AREA

Art & Design

COURSE DESCRIPTION

If you're interested in expanding your creative side, this workshop provides an exploratory space for seasoned and budding artists alike to experiment with different forms of the creative arts. This workshop introduces the design principles needed for creating artwork. It will also encourage a creative and fun approach to the application of these skills through a variety of techniques and projects; including bead-making, tie-dying, drawing, collage-making, and more. Whether you are an experienced artist or want to expand your visual creativity skills, this workshop is the perfect creative outlet.

COURSE TITLE

Basketball Jr.

SUBJECT AREA

Physical Education

COURSE DESCRIPTION

Let's practice our dribbling skills and shoot some hoops! If you're already on a team and want to spend some time playing your favorite sport or want to learn the basic rules and skills of this fast-paced game, you'll have a blast after class with this fun workshop. Practice shooting, dribbling, and passing. This is a concentrated basketball program emphasizing individual skills, game strategy, playing and practice. Play mini games 1-1 or scrimmage with the whole group and practice team-building. You will have the opportunity to get one-on-one interaction with our instructors throughout the workshop to improve your game. See you in the paint!

COURSE TITLE

Beach Volleyball Jr.

SUBJECT AREA

Physical Education

COURSE DESCRIPTION

Whether you're looking to improve your game or get an introduction to the basics of this engaging sport, this course is the ultimate definition of fun in the sun. Get a total body workout while practicing techniques for serving, passing, setting, and spiking. Students will learn offensive and defensive strategies as well as how to play effectively on a two-player team (vs. four-player indoor volleyball). Get your serving skills ready and we'll see you on the court!

COURSE TITLE

Healthy Lifestyles Jr.

SUBJECT AREA

Physical Education

COURSE DESCRIPTION

How do we learn to manage stress, exercise, eating well and relaxation? This class utilizes certified fitness instructors and nutritionists to create a total mind-body wellness experience. The class will focus on 4 areas: cardio fitness, strength training, mind/body/spirit work, and nutrition for the body & mind. Cardio days will be filled with aerobic sampler classes like spinning, swimming, jogging, cardio combat, cardio hip hop, step, or Zumba. To improve their strength, students work with a trainer to create a moderate impact personal weight training program. And students will get in touch with their mind/body/spirit connection and practice holistic wellness activities like yoga, Pilates, meditation and stretching.

COURSE TITLE

Outdoor Sampler Jr.

SUBJECT AREA

Physical Education

COURSE DESCRIPTION

Experience team activities and take a breath of fresh air. Students engage in traditional recreation sports and games - traditional school yard games such as dodgeball, kickball, capture the flag, volleyball, wiffleball, flag football, 4-square, etc. This class will focus on team building, skill development, physical fitness, and leadership.

COURSE TITLE

Sports Conditioning Jr.

SUBJECT AREA

Physical Education

COURSE DESCRIPTION

Do you like the freedom of being able to get your movement on whenever, wherever? Get your heart pumping and your blood flowing with this sports conditioning sampler. Sports conditioning will improve your cardiovascular performance to complement your favorite sports or is a great activity all on its own. We'll learn full-body functional exercises to get you moving and enhance your strength and coordination. Feel the burn!

COURSE TITLE

Tennis Jr.

SUBJECT AREA

Physical Education

COURSE DESCRIPTION

This class offers a great opportunity for students of all levels to dive into the exciting world of tennis. Whether you're a complete novice or looking to refine your game, local pros and players have designed a program to guide you through the core elements of tennis. Refine proper grip and stance. Master the essential tennis strokes including the forehand, backhand, serves, volleys, and lobs. Improve your agility, position, and court movement. Put your newly acquired skills to the test with a bit of competitive play.

COURSE TITLE

Yoga Groove Jr.

SUBJECT AREA

Physical Education

COURSE DESCRIPTION

Join us for a transformative journey into the world of Yoga Groove, where movement, balance, and mindfulness come together in perfect harmony. This dynamic high-intensity workout is designed to introduce students to the practice of yoga in a fun way. Yoga Groove focuses on flowing sequences, rhythmic breathing, and body awareness, all set to a backdrop of uplifting music. Get ready to increase flexibility, build strength, and enhance your overall health and mental focus. Get your asana on!

* All Workshops Are Subject to Availability