

The Tao of Geometry

with Marnie Muller and Mark Hanf

NEW YORK APRIL 16-19, 2010

Deep within the ancient art and science of Geometry lies a beautiful and mysterious system of forms that has fascinated philosophers and sages from all spiritual traditions since antiquity.

In this Foundation Course we invite participants to awaken their own deeper levels of perception and to access the golden key of Sacred Geometry to unlock secrets encoded in the sacred symbols of China. We will explore the traditions of Taoism, Buddhism, and Confucianism and how the relationship of Human to Cosmos was an elemental expression of the Chinese culture.

This multifaceted course integrates hands-on geometric drawing with dynamic multimedia presentations and invites students to explore the harmonic balance of Heaven and Earth, Form and Emptiness, Science and Spirituality, Mastery and Mystery, Yin and Yang.



*The Great Square has no corners.
Just remain at the center of the circle
And let all things take their course.*

-Lao Tzu

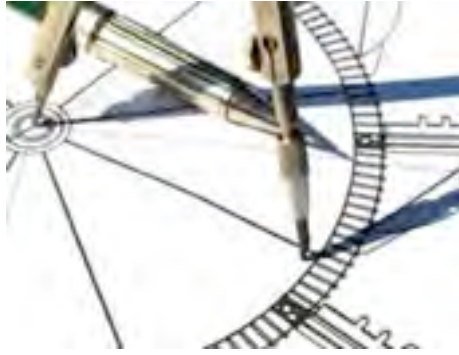


Through this dynamic foundation course you will:

- Develop a deeper understanding of the connection between Feng Shui principles and Sacred Geometry
- Gain proficiency in the classical skills of architectural compass drawing through meditative geometric practices and individual instruction
- Draw a series of traditional Chinese geometric patterns and designs to include in your own portfolio
- Explore how these archetypal geometric patterns and designs can be effectively applied to one's personal and professional life.

The content focus is:

- Decoding the hidden fractal and holographic geometries embedded in the Yin Yang and how they relate to modern science and principles of design
- Exploring the secret of how the Yin Yang is a multidimensional template (or map) for understanding geomagnetism and other core elements of Feng Shui
- Discovering how the flow of chi integrally relates to the Yin Yang form through the principles of Sacred Geometry
- Investigating how the Yin Yang is intimately related to the resonant proportions and symmetries of human anatomy
- Exploring the mysteries of Squaring the Circle and the harmonics of balancing Heaven and Earth



- Learning advanced construction techniques of the Ba Gua and other classic geometric symbols of China with architectural compass and straight edge
- Developing a sensory, kinesthetic 3-D geometric experience of these primordial patterns and flow-forms
- Zooming in on the toroidal and vortex geometries of ancient Chinese imagery and exploring how they reveal the living geometries of Nature

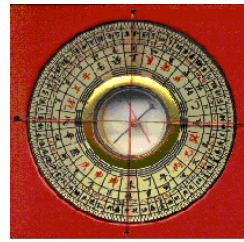
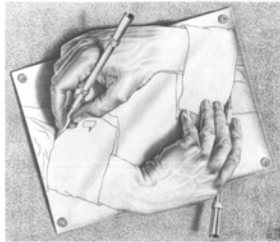
DAY ONE Circle and Square

Our path begins with a multi-media glimpse of the rich culture of ancient China and its cosmology. With Heaven Above, Earth Below, the deep geometries of Nature and the Universe are discovered embedded in art, architecture, astronomy, sacred measure, navigation, alchemy, and symbolism.

The primary tools of architectural compass and straight edge are at the heart of geometry. Throughout history, geometers have been initiated into the meditative art of geometric drawing as a spiritual practice and a practical skill. In this session we participate in this ancient tradition through drawing the archetypal forms of Circle and Square. We develop our confidence and skill level by progressing to more complex forms such as The Hexagonal Matrix, the Yin Yang and the Lo Shu Magic Square.

DAY TWO The Octagon and Other Key Geometric Forms

This session begins with a comprehensive multimedia presentation on Sacred Number, the Lo Pan Compass, the Ba Gua, the I Ching, the Five Elements and other key geometric patterns in Chinese cosmology. We will explore the pentagon and the Five Elements as well as octagonal geometries and how they all arise from the Yin Yang. Using advanced compass skills we will construct the Ba Gua and other complex forms and explore how they are interrelated. We will examine the geometric aspects of the Lo Pan Compass as well as the Sacred Geometry of the seasons and cycles of time in Chinese Astronomy.



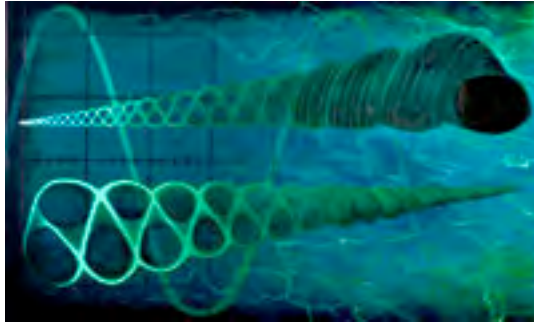
DAY THREE Yin Yang

The Tai Chi, known in the west as the Yin Yang, is a familiar symbol that embodies the philosophy of non-dualism or complementarity. Its key principles of polarity and harmony as well as cyclic and wave motion are reflected throughout the cosmos. We will explore this archetypal geometric form found throughout Chinese culture through a unique multi-media presentation and discussion.

By meditatively drawing variations of the Yin Yang with the geometer's tools we will explore the principles and pathways of :

Fractal, Toroidal, and Vortex Geometries

and how they map the phenomena of Electromagnetism, Chi, Human Anatomy, and Primordial Chi Kung Geometric Movements.



"Geometry has two great treasures: one is the theorem of Pythagoras, the other the division of a line into mean and extreme ratios, that is the Golden Mean. The first way may be compared to a measure of gold, the second to a precious jewel."
--Johannes Kepler (1571-1630)

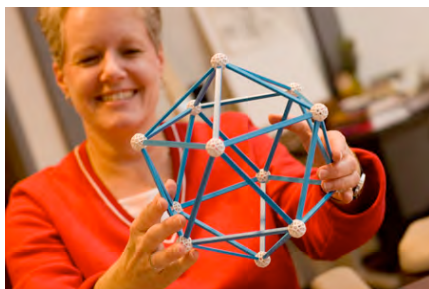
DAY FOUR Squaring the Circle and Cubing the Sphere

One of the oldest puzzles in human history is how to construct a square and circle that have equal perimeter or area. This problem has fascinated mathematicians all over the world for centuries leading to the mystery of pi and representing something that appears logically impossible. Like a Zen koan, this level of paradox can invite the mind to transcend the rigidity of logic and arrive at a deeper level of meaning. With Heaven as Circle and Earth as Square, this ancient riddle expresses an underlying aspect of the whole of Chinese cosmology that points towards the relationship of Emptiness and Form; Spirit and Matter. Our multimedia presentation explores how this paradox is woven throughout Chinese art and architecture.

In truest Taoist fashion, our final day brings us full circle back to where we began...in Mystery.

How can our sacred geometer's tools resolve this ancient riddle?

Using a variety of Advanced Geometric construction techniques, we will demonstrate that: ***The Tao is filled with infinite possibilities.***



The Tao of Geometry

with Marnie Muller and Mark Hanf APRIL 16-19. 10-5pm



Marnie Muller, MLA specializes in sharing "hands-on" experiential principles of this ancient geometry with participants of all ages. Marnie has immersed herself in the love of geometry and the ancient mystery traditions since the 1960's. She has worked as research associate at the Foundation for Mind Research, as Project Director of Art/Environment at the Savannah Science Museum, as a Math-Science Teacher, and as an editor and as an author. Her UNCA Masters thesis was on The Classical Seven-Circuit Labyrinth as Transcultural Phenomenon. Presently she is Director of The Universe Story Journey and is a founding member of the EarthVoyage Team which focuses on developing and presenting interdisciplinary, inter-generational "hands-on" programs and multi-media on a giant, geometric Dymaxion map projection of the world designed by R. Buckminster Fuller.



Mark Hanf is a teacher and professional artist who lives and works near Asheville, NC. His work tells a visual story and attempts to illuminate interconnectedness through the organic and geometric patterns inherent in nature. Mark attended the NC Governor's School of Mathematics where he studied fractal and non-Euclidian geometry. He received his degree in visual arts from Davidson College where he explored two and three-dimensional forms through acrylic painting, glass and wood. Mark has studied astronomy, chemistry, ancient geometry, architecture and physics, and integrated these topics into his art. He has taught math, science, and art in the classroom and has been creating a body of original work in the field of fractal geometry. Mark is co-founder and program director for Earth Voyage, an educational project of The Buckminster Fuller Institute that integrates environmental science and synergetic geometry on a gymnasium-sized Dymaxion world map to inspire sustainability through awareness of interconnection.

Throughout these 4 days we will also be exploring:

- * Art, Color, & Design
- * The relationship between Geometric Design & Architecture
- * The Golden Proportion in Nature, Art and Architecture

We will take a pictorial tour of key geometric shapes and symmetries that form the blueprint of our world from the macrocosmos to the microcosmos.

- * A look at images of the human body and how the golden proportion is an elemental aspect of our human make-up.
- * How the laws and principles of geometry surround us in our everyday lives
- * armillaryDiscover geometric shapes and symmetries that occur in Nature, by observing leaves, blooms, and other natural formations
- * Get to know the Geometer,s Tools- exploring with Compass and Straight Edge
- * Reflection, Discussion and Time to digest your feelings and thoughts.

Connecting with Geometry as a deep spiritual pathway to understanding who you are - what is the purpose of "Being Here Now" and the insights into Universal Philosophy

The Knowledge of which Geometry aims
Is knowledge of the Eternal.
-Plato, Republic VII, 52

Geometry is One and Eternal,
Shining in the Mind of God.
That share in it accorded to men
Is one of the reasons that Man Is the Image of God.
--Johannes Kepler

BOOKINGS: info@academysacredgeometry.com

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VENUE: MIDTOWN MANHATTAN

TUITION FEE

\$660 if paid by 1st April

\$880 if paid after 1st April