



# The Tao of Geometry

with Marnie Muller and Mark Hanf

Explore the harmonic balance  
between Heaven and Earth,  
Science and Spirituality,  
Mastery and Mystery,  
Form and Emptiness,  
Yin and Yang...

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New York City

[www.FengshuiSeminars.com](http://www.FengshuiSeminars.com)

# The Tao of Geometry

There was something formless and perfect  
Before the Universe was born.

It is serene. Empty.

Solitary. Eternally present.

It is the mother of the Universe.

For lack of a better name,  
I call it the Tao.

-Lao Tzu

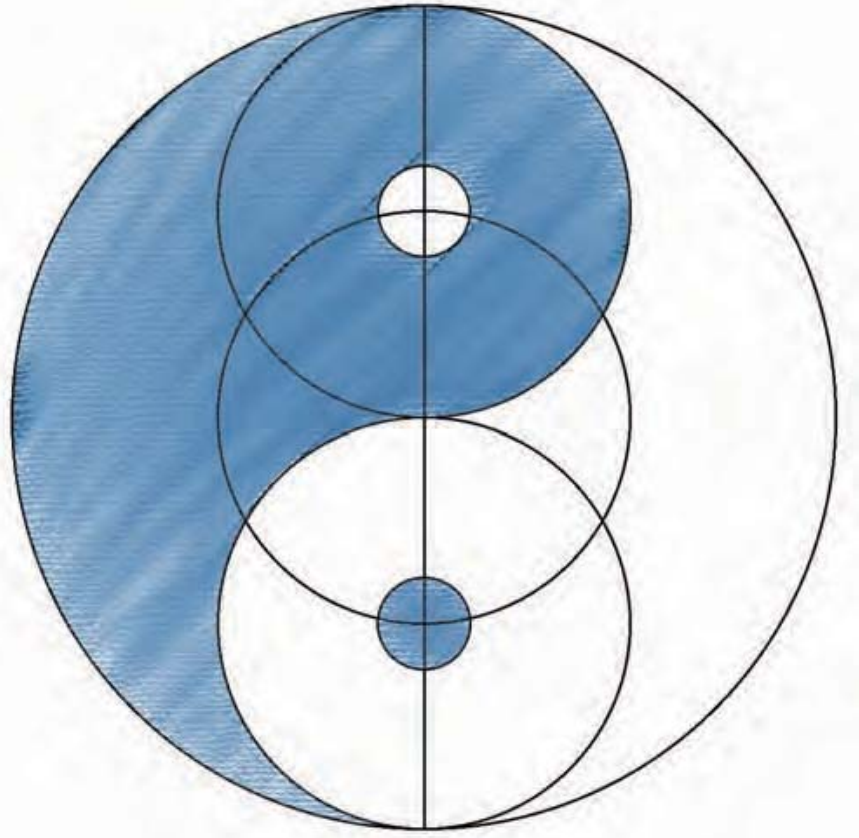
Tao is most often translated as “way” or “path” and in this 4 day course our labyrinthine path leads us towards the center of Chinese Geometry. Deep within the ancient art and science of Geometry lies a beautiful and mysterious system of forms that has fascinated philosophers and sages from all spiritual traditions since antiquity. In this particular 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 art, architecture, science, and sacred symbols of China. This multifaceted course integrates hands-on 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.

Develop a deeper understanding of the  
connection between Feng Shui principles and  
Sacred Geometry

Gain proficiency in the classical skills of  
geometric compass drawing through meditative  
geometric practices and individual instruction

Explore how these archetypal geometries can  
be effectively applied to one's personal and  
professional life

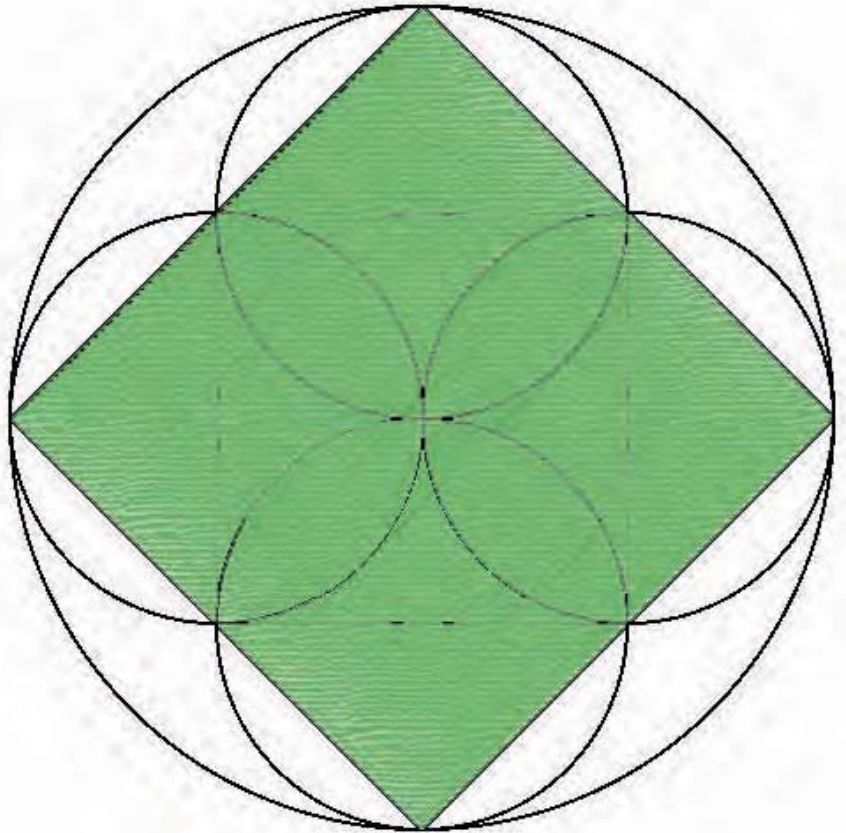
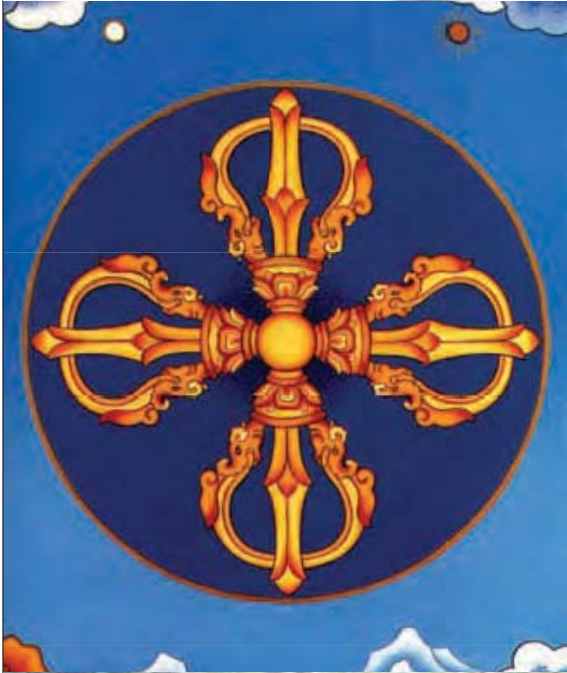




# The Yin Yang

Being and Non-Being create each other...  
-Lao Tzu

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.

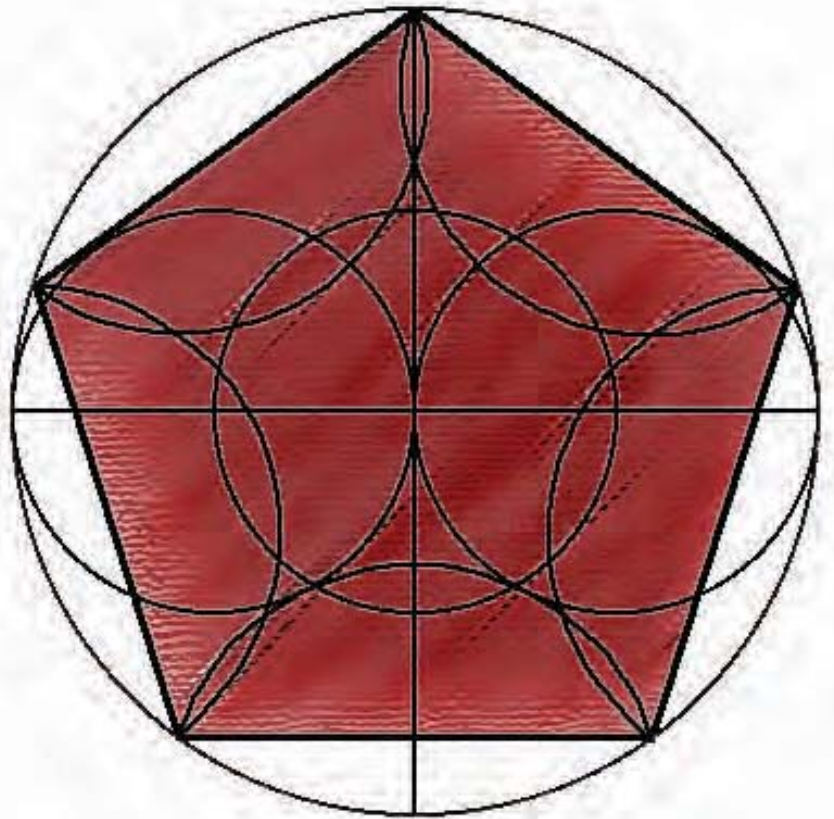
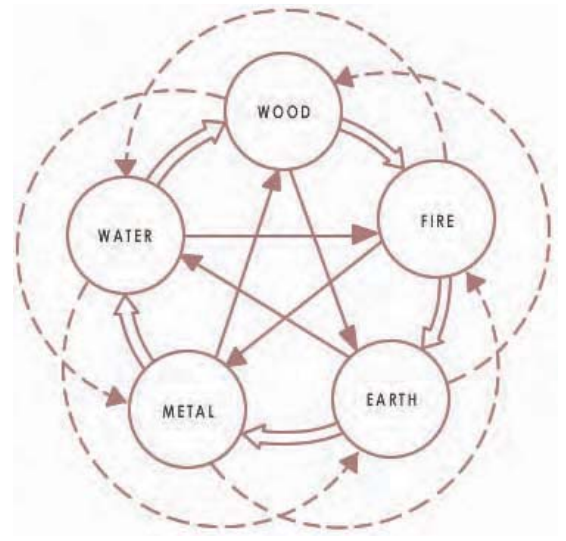
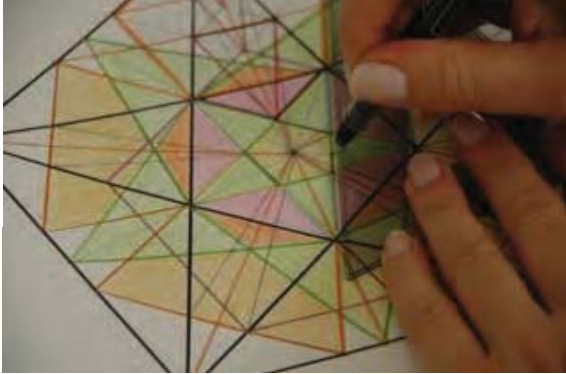


## The Circle and The Square

Just remain at the center of the circle  
And let all things take their course.  
-Lao Tzu

It is said that the Great Square has no Corners.  
-Lao Tzu

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 represents 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.

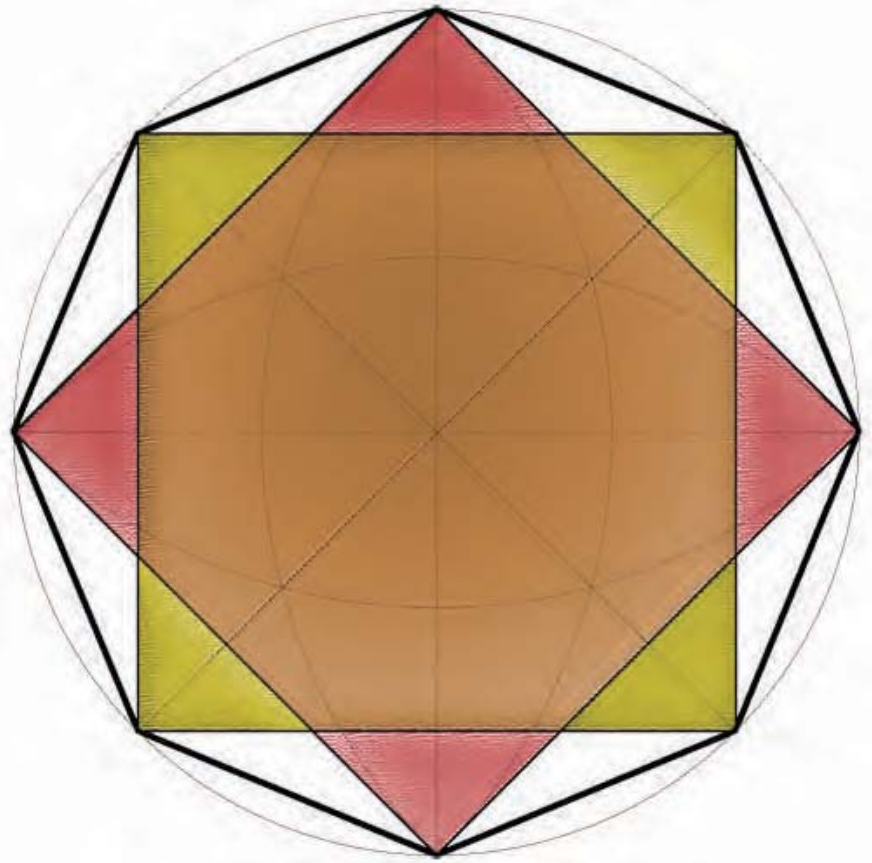
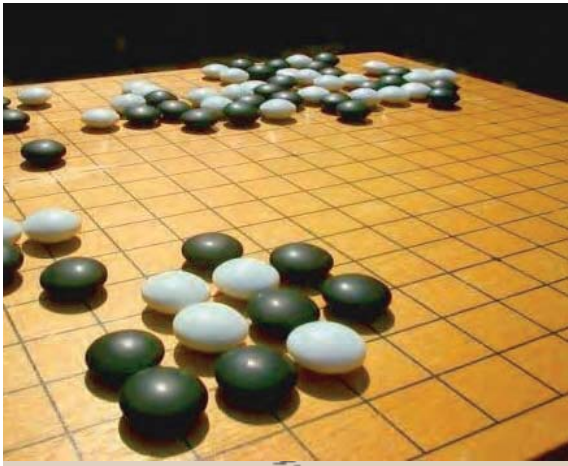


## 5 Elements and the Pentagon

The Way is unimpeded Harmony;  
its potential may never be fully exploited.  
It is as deep as the source of all things.

- Lao Tzu

We will explore the pentagon and the relationships hidden within the Five Chinese Elements. Using the compass and straightedge we will unveil how they emerge from the Yin Yang. These investigations will lead us to experience the magic and harmony of the Golden Ratio and discover the kaleidoscopic, fractal dimensions of its geometry.



## Magic Squares and The Bagua

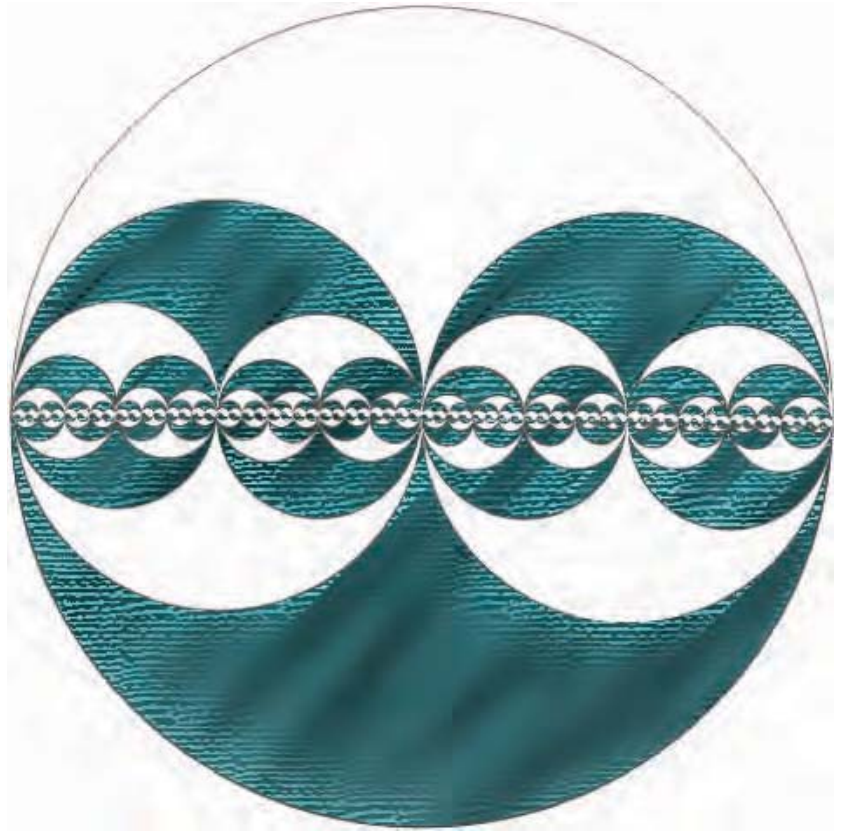
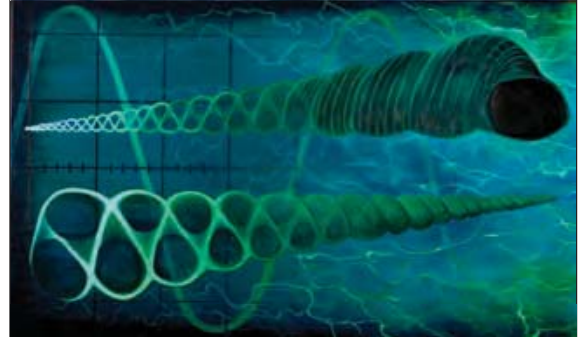
I Ching Magic Square

8	58	59	5	4	62	63	1								
49	15	14	52	53	11	10	56								
41	23	22	44	45	19	18	48								
32	34	35	29	28	38	39	25								
40	26	27	37	36	30	31	33								
17	47	46	20	21	43	42	24								
9	55	54	12	13	51	50	16								
64	2	3	61	60	6	7	57								

The Tao gives birth to One.  
 One gives birth to Two.  
 Two gives birth to Three.  
 Three gives birth to the Ten Thousand Things.  
 -Lao Tzu



This session begins with a comprehensive multimedia presentation on Sacred Number, the Lo Pan Compass, the Bagua, and the I Ching. The ancient Chinese were highly advanced mathematicians and applied their studies to a number of practices including, Geomancy, Divination, and Numerology. Using advanced compass skills we will construct the BaGua and other complex forms and explore how they are interrelated.



## The Vortex and the Wave

Harmonize the light,  
assimilate the world.

This is called mysterious sameness.

-Lao Tzu

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 physical phenomena of Electromagnetism, Chi, Gravity, Biology, Human Anatomy, and Primordial Chi Kung Geometric Movements.



Mark Hanf was nominated in 1995 to attend the NC Governor's School in Science, Art, and Mathematics, and ultimately chose to study Fractal and Non-Euclidean Geometry. He received a BA in Visual Arts from Davidson College in 2000, with a special focus on Science, Religion, and Environmental Architecture. While still in school, he researched, designed, and drew blueprints for a passive solar, off-grid, earth-sheltered home that incorporates key elements of geometric design like the golden ratio, as well as rain water cisterns, recycled materials, solar panels, and a bio-diesel generator. With the help of family and friends, he has been building and living in that house for the last nine years.

Mark is also a professional artist and creates work that weaves together his wide range of interests including science, math, and history. His paintings examine Nature's architecture and symmetry and recently he has been using CNC (Computer Numeric Controlled) routers and lasers to create a body of sculpture that explores fractal Geometry. His studio is part of Marshall High Studios, a complex located on a tiny island in the French Broad River in the Mountains of NC.



Marnie Muller, MLA specializes in sharing experiential aspects of ancient sacred geometry with participants of all ages. She has extensively studied the classic ancient geometry tradition with Keith Critchlow, Randall Carlson, Robert L. Powell, Sr. and other key teachers, and continues to connect with leading colleagues in this field. In the 90's, she helped to birth the "hands-on" Sacred Geometry movement in the Asheville, North Carolina area and continues to focus on bringing forth the kinesthetic aspects of 2-D and 3-D geometries, from compass drawing—to 3D construction ---to helping activate "body wisdom" by moving inside of life-size geometric forms. She emphasizes the ancient approach of linking the experiential study of geometry with the awakening of consciousness, regarding it as a tool for "opening the doors of perception". Marnie graduated cum laude from Marymount College, Tarrytown, New York in Philosophy with Interdisciplinary Studies in Analytic Geometry, Symbolic Logic and Far Eastern Studies. Then, as Research Associate at The Foundation for Mind Research, with Jean Houston and R.E.L. Masters, she investigated key aspects of creativity, perception, and problem-solving and their application to a broad range of disciplines. Her UNCA Masters thesis, The Classical Seven-Circuit Labyrinth as Transcultural Phenomenon, explored uncharted connections between this ancient pattern and cultures around the world.

Mark and Marnie are the co-founders of [www.GeometryofNature.com](http://www.GeometryofNature.com), and since 2007, have also been designing and teaching a series of dynamic, hands-on geometry courses. Together they have presented numerous lectures, classes, and workshops in collaboration with a variety of schools and organizations including AB Technical College, NCCAT (The North Carolina Center for the Advancement of Teaching), The Black Mountain College Museum, The Vesica Institute, The Buckminster Fuller Institute, the AIA (American Institute of Architects), The Academy of Sacred Geometry, and The New York School of Feng Shui.

For more information or to register for this course please visit:

[www.FengshuiSeminars.com](http://www.FengshuiSeminars.com)  
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