

Archetypal Geometry Course Schedule

Schedule for the Archetypal Geometry course at Emerson College on 7–8 February 2026.

Time	Saturday, 7 February	Sunday, 8 February
9:00 - 10:30	Geometry – The Archetype of Knowledge	Straight to Curved
	Geometry as an archetype for knowledge, both for the spiritual seeker and the modern scientist. Its role in the unification of phenomena. The historical context of the course.	Ascent to Salmon's Theorem and the Penrose 8-conic Theorem, exploring the transition from points and lines to curves.
10:30 - 11:00	Break	Break
11:00 - 12:30	Hands-on Drawing	Curved to Straight
	A practical drawing session focusing on fundamental geometric phenomena, including Pappus' Theorem and Pascal's Theorem on a circle.	"Straightening" the Penrose Theorem into standard theorems of projective geometry, exploring the transition from curves back to lines and points.
12:30 - 1:30	Lunch	Lunch
1:30 - 3:00	The Regulus – Seeing Metamorphoses	Group Puzzle-Solving
	An introduction to the regulus surface, exploring geometric metamorphoses through a hands-on construction exercise.	A hands-on exploration of Desargues' Theorem as an archetypal example of Penrose's Theorem. Group work, bringing together the themes of the day.
3:00 - 3:30	Break	Break
3:30 - 5:00	Duality – Alignment and Coincidence	Recapitulation
	A deep dive into the principle of duality, the perfect partnership of projective geometry. Views and slices of the regulus.	Summary and review of the key concepts, theorems, and practical applications covered in the course, concluding with a round of feedback.