Nirma University
Bachelor of Design, Department of Design
Year I, Semester I

L	T	P	C
		4.5	3

Course Code	**DSK112**
Course Title	**Geometric Construction – 2D**
Credits	**3**
Teaching hours:	**67.5 hours**

Course Learning Outcomes (CLO):

Geometry (literally 'earth (geo) measure') is primarily a philosophical pursuit, along with   arithmetic, Music & Astronomy, Geometry was one of the four obligatory educational studies in ancient times. It provides the tools, methods and vocabulary to giving tangible form to abstract ideas, which is the primary concern of Design.
It enables the analysis and description of shapes, patterns and their interrelationship.
It sensitizes designers to the hidden geometric order in natural forms, which can contribute significantly to their work

Syllabus:

Introduction to tools, Basic Concepts & Terminology, Shapes, Proportions, Series & Progressions, Symmetry, Tiling & surfaces

Suggested Readings^:
- Gail Greet Hannah, Elements of Design, Princeton Architectural Press, 2002
- Lauer, David; Design Basics, Wadsworth Publishing, 1999
- W. Wong; Principles of Two Dimensional Design, John Wiley and Sons, 1972
- J. Bowers; Introduction to Two Dimensional Design: Understanding Form and Function, John Wiley & Sons, 1999
- Proctor, R.M.; The principles of pattern, Dover Publications, 1990
- Elam, Kimberly; Geometry of Design: Studies in Proportion and Composition, Prince ton
- Architectural Press, 2001

w.e.f. Academic year _2018 and onwards
Key: L= Lecture, T= Tutorial, P= Practical, C= Credit