

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI**COURSE PLAN (June - November 2026)**

Department : Mathematics
Name/s of the Faculty : Dr. P. Subbulakshmi
Course Title : Celestial Wonders
Course Code : 23MT/GE/CW22
Shift : II

COURSE OUTCOMES (COs)

COs	Description	CL
CO1	acquire some basic knowledge in astronomy	K1
CO2	classify the reasons behind the celestial events	K2
CO3	examine and critique the expansive and dynamic nature of our universe	K3

Week	Unit No.	Content	Cognitive Level	Teaching Hours	COs	Teaching Learning Methodology	Assessment Methods
Jun 15 – 22, 2026 (Day Order 1- 6)	1	Celestial Sphere and Diurnal Motion 1.1 Celestial Sphere 1.2 Diurnal Motion – Celestial Axis and Equator	K1-K3	2	CO1-3	Lecture Video	Questioning

		1.3 Celestial Horizon					
Jun 23 – July 1, 2026 (Day Order 1- 6)	1	Celestial Sphere and Diurnal Motion 1.4 Zenith and Nadir – Celestial Meridian 1.5 Cardinal Points – Different Hemispheres	K1-K3	2	CO1-3	Lecture	Slip Test
July 2 – July 8, 2026 (Day Order 1- 6)	1	Celestial Sphere and Diurnal Motion 1.6 Visible and invisible Hemispheres 1.7 Declination circles, verticals 1.8 Rising and Setting	K1-K3	2	CO1-3	Lecture	Questioning
July 9 – 16, 2026 (Day Order 1- 6)	1	Celestial Sphere and Diurnal Motion 1.9 Transit or Culmination 1.10 Annual Motion of the Sun – First Point of Aries, First point of Libra, Equinoxes and Solistices	K1-K3	2	CO1-3	Lecture	Questioning
July 17 – 24, 2026 (Day Order 1- 6)	1 & 2	Celestial Sphere and Diurnal Motion 1.11 Circumpolar Stars Unit 2 The Stellar Universe 2.1 The Milky Way Galaxy 2.2 Zodiacal Constellations	K1-K3	2	CO1-3	Lecture Video	Questioning
July 25 – 28, 2026 (Day Order 1- 3)	2	The Stellar Universe 2.3 Stars – Double Stars, Multiple Stars and	K1-K3	1	CO1-3	Lecture	Questioning

		Variable Stars					
July 29 – Aug 3, 2026	No C.A.						
Aug 4 - 6, 2026 (Day Order 4 - 6)	2	The Stellar Universe 2.3 Stars – Double Stars, Multiple Stars and Variable Stars	K1-K3	1	CO1-3	Lecture	Questioning
Aug 7 – 14, 2026 (Day Order 1- 6)	2	Planetary Phenomena 2.4 Direct Motion and Retrograde Motion 2.5 Stationary Points	K1-K3	2	CO1-3	Lecture Video	Questioning
Aug 17 - 24, 2026 (Day Order 1- 6)	2	The Solar System 2.6 Sun, Planets, Comets, Meteors and Meteoroids	K1-K3	2	CO1-3	Lecture	Questioning
Aug 25 – Sep 2, 2026 (Day Order 1- 6)	2	The Solar System 2.7 Space Probes	K1-K3	2	CO1-3	Lecture	III Component Group Presentation [Unit 2] (15 Marks)
Sep 3 – 11, 2026	3	Moon and Eclipses	K1-K3	2	CO1-3	Lecture	Questioning

