



Hope Community Academy Astronomy

Course Syllabus 2024/2025

Textbook: Openstax Astronomy

Instructor: Ray Gonzales

Email: raygonzales@hope-school.org

Website: www.gonzmosis.com

Week	Topic	Chapters	Homework	MN Standard
1 August 26-30	The Nature of Science The Night Sky	1, 2	Astro HW 1	
2 September 3-6	Orbits and Gravity The Earth and Moon and Apples	3, 4	Astro HW 2	9E.2.2.1.1
3 September 9-13	Light and Electromagnetic Radiation Telescopes	5, 6	Astro HW 3	9P.1.2.1.1
4 September 16-20	The Solar System The Earth	7, 8	Astro HW 4	9E.4.1.1.2
5 September 23-27	The Moon and Mercury Venus and Mars	9, 10	Astro HW 5	9E.4.1.1.2
6 September 30-October 4	Giant Planets Moons, Rings, and Pluto	11, 12	Astro HW 6	9E.4.1.1.2
TEST 1		1 - 12		
7 October 7-11	Comets and Asteroids The Origin of the Solar System	13, 14	Astro HW 7	9E.3.2.1.2
8 October 14-16	The Sun Fusion	15, 16	Astro HW 8	9E.2.1.1.1
9 October 21-25	Analyzing Starlight H-R Diagrams	17, 18	Astro HW 9	9E.3.2.1.1
10 October 28-November 1	Interstellar Medium Star Formation	20, 21	Astro HW 10	9E.3.2.1.2

Week	Topic	Chapters	Homework	MN Standard
11 November 4-8	The Death of Stars Black Holes	23, 24	Astro HW 11	9P.4.2.1.2
12 November 11-15	The Milky Way Other Galaxies	25, 26	Astro HW 12	9P.4.2.1.2
TEST 2		13 - 26		
13 November 18-22	Active Galaxies The Large Scale Structure of the Universe	27, 28	Astro HW 13	9P.4.2.1.2
14 November 25-26	The Big Bang	29	Astro HW 14	9P.4.2.1.2
15 December 2-6	Life in the Universe Contact	30	Astro HW 15	9L.3.2.1.2
16 December 9-13	Special and General Relativity		Astro HW 16	9P.2.1.1.1
17 December 16-20	Quantum Mechanics		Astro	9P.4.1.1.1
Test 3		27 - 30		

Homework: 30%

Tests: 70%