

Calendar for Astronomy Picture of the Day discussions. Each topic is listed for the day *after* the lecture on that topic. You are expected to give one 3-minute talk during the course. No more than 2 students can sign up for any day, but you can select from any topic on that day.

Day 1-2: Devin & Adam examples

Day 3 (July 8th, 2010): Light and Spectra

<http://apod.nasa.gov/apod/ap071125.html> - Rainbow

<http://apod.nasa.gov/apod/ap070505.html> - Galaxy in many colors

<http://apod.nasa.gov/apod/ap070624.html> - Solar Spectrum -- **Christine**

Day 5 (July 12th, 2010): Gravity, Motion, and Doppler Shift

<http://apod.nasa.gov/apod/ap090104.html> - Redshifted Spectra

<http://apod.nasa.gov/apod/ap070114.html> - Galactic Center orbits -- **Jessi**

(<http://www.astro.ucla.edu/~ghezgroup/gc/pictures/orbitsMovie.shtml>)

Day 6 (July 13th, 2010): Telescopes, & Lookback Time

<http://apod.nasa.gov/apod/ap100312.html> - James Webb Space Telescope

<http://apod.nasa.gov/apod/ap090525.html> - Hubble Space Telescope

<http://apod.nasa.gov/apod/ap090403.html> - Telescopes around the world

<http://apod.nasa.gov/apod/ap020311.html> - Green Bank Telescope

<http://apod.nasa.gov/apod/ap060514.html> - Very Large Array

Day 7 (July 14th, 2010): Parallax & Distance

<http://apod.nasa.gov/apod/ap960110.html> - Cepheids in M100

Day 8 (July 15th, 2010): The Sun

<http://apod.nasa.gov/apod/ap100316.html> - Corona -- **Stephanie B.**

<http://apod.nasa.gov/apod/ap100228.html> - Pauli Exclusion Principle

<http://apod.nasa.gov/apod/ap100609.html> - The Sun

Day 10 (July 19th, 2010): Stars and Fusion

<http://apod.nasa.gov/apod/ap100211.html> - Open cluster M34

<http://apod.nasa.gov/apod/ap100106.html> - Betelgeuse

Day 11 (July 20th, 2010): Stars: stellar life cycle and the HR diagram

<http://apod.nasa.gov/apod/ap100204.html> - Dust & Birth in Perseus -- **Taylor**

<http://apod.nasa.gov/apod/ap100331.html> - Omega Centauri Globular Cluster -- **Joseph**

<http://apod.nasa.gov/apod/ap100426.html> - Pillars & Outflows in Carina -- **Rahkee**

Day 12 (July 21st, 2010): Stellar death, White Dwarves, Neutron Stars, Black Holes

<http://apod.nasa.gov/apod/ap100221.html> - NGC 2440 Planetary Nebula forming -- **Holly**

<http://apod.nasa.gov/apod/ap100411.html> - IC 418 - The Spirograph Nebula

<http://apod.nasa.gov/apod/ap100425.html> - Mz3 - The Ant Nebula

<http://apod.nasa.gov/apod/ap100501.html> - Pulsar Nebula PSR B1509-58 -- **Lucien**

Day 13 (July 22nd, 2010): The Interstellar Medium

<http://apod.nasa.gov/apod/ap100112.html> - Flame Nebula -- **Chris**

<http://apod.nasa.gov/apod/ap100113.html> - Spider and Fly

<http://apod.nasa.gov/apod/ap100214.html> - Rosette Nebula -- **Emma**

<http://apod.nasa.gov/apod/ap100302.html> - M78 and Orion

Day 15 (July 26rd, 2010): Galaxies: The Milky Way

<http://apod.nasa.gov/apod/ap100125.html> - The Magellanic Stream -- **Randy**

<http://apod.nasa.gov/apod/ap100320.html> - The Milky Way from the ground -- **Tiffany**

<http://apod.nasa.gov/apod/ap100322.html> - The Milky Way in cold dust -- **Thao**
<http://apod.nasa.gov/apod/ap081110.html> - The Galactic Center -- **Mike P.**
 Day 16 (July 27th, 2010): Galaxies: Others
<http://apod.nasa.gov/apod/ap100107.html> - The SMC Dwarf Irregular -- **Matt**
<http://apod.nasa.gov/apod/ap100109.html> - Andromeda Spiral
<http://apod.nasa.gov/apod/ap100114.html> - M94 Spiral
<http://apod.nasa.gov/apod/ap100520.html> - M87 Elliptical
 Day 17 (July 28th, 2010): Galaxies: Groups, Clusters, & Dark Matter
<http://apod.nasa.gov/apod/ap100121.html> - NGC 7771 group
<http://apod.nasa.gov/apod/ap100222.html> - Hickson Group 31 mergers
<http://apod.nasa.gov/apod/ap100529.html> - Black Holes in mergers -- **Mike B.**
<http://apod.nasa.gov/apod/ap080917.html> - MACSJ0025 Galaxy Cluster merger
<http://apod.nasa.gov/apod/ap080823.html> - The Bullet Cluster -- **Raleigh**
 Day 18 (July 29th, 2010): Clusters & Large Scale Structure
<http://apod.nasa.gov/apod/ap100502.html> - Coma Cluster -- **Miles**
<http://apod.nasa.gov/apod/ap090716.html> - Hercules Cluster -- **Naveen**
<http://apod.nasa.gov/apod/ap070516.html> - Cluster CL0024+17
 Day 20 (August 2nd, 2010): Large Scale Structure & The Distance Ladder
<http://apod.nasa.gov/apod/ap091028.html> - Furthest galaxy cluster -- **Josh**
<http://apod.nasa.gov/apod/ap070827.html> - Void
<http://apod.nasa.gov/apod/ap031028.html> - Sloan large structure
<http://apod.nasa.gov/apod/ap071211.html> - The Universe nearby -- **Emily**
 Day 21 (August 3rd, 2010): Cosmology & CMB
<http://apod.nasa.gov/apod/ap030212.html> - WMAP CMB
<http://apod.nasa.gov/apod/ap031231.html> - WMAP CMB, the age of the universe -- **Lisle**
<http://apod.nasa.gov/apod/ap061007.html> - COBE CMB -- **Forbes**
 Day 22 (August 4th, 2010): Expansion/Fate of the Universe & Dark Energy
<http://apod.nasa.gov/apod/ap010404.html> - Type Ia and expansion -- **Tyler**
<http://apod.nasa.gov/apod/ap060307.html> - Type Ia in M100
<http://apod.nasa.gov/apod/ap040227.html> - Many Type Ia
 Day 23 (August 5th, 2010): Big Bang & Inflation
<http://apod.nasa.gov/apod/ap100103.html> - Casimir Effect
<http://apod.nasa.gov/apod/ap060323.html> - "Inflating the Universe" diagram
<http://apod.nasa.gov/apod/ap000503.html> - BOOMERANG CMB
 Additional topics for week 5: Spacetime & Relativity
<http://apod.nasa.gov/apod/ap100207.html> - Einstein Cross Gravitational Lens
<http://apod.nasa.gov/apod/ap090921.html> - Cluster gravitational lens
<http://apod.nasa.gov/apod/ap050601.html> - White Dwarves making gravity waves