

Climbing the Distance Ladder: How astronomers survey the Universe

Schedule

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| WEEK ONE | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:30 | 1:30-2:30 | 2:30-3:30 | 3:30-4:30 | Evening |
|-----------|--|--|--|--------------------------------|--|--|---|---|
| 7/7/2014 | Orientation MMSS | LEC: Introduction and overview DH | Planetarium show (Angell H)-reserved MV | Lunch | VISIT: Old Detroit Observatory - Karen is expecting us | | LEC: Observing the Universe MV | |
| 7/8/2014 | LAB: Parallax GSI/USIs | LEC: Gravity DH | EX: Programming DH | Lunch | LEC: HR diagram MV | EX: Starry Night GSI/USIs | VISIT: CMB Detectors McMahon | Detroit Observatory night visit 9pm-11pm |
| 7/9/2014 | LEC: Low mass stars MV | LAB: Cepheids GSI/USIs | | Lunch | LEC: High mass stars MV | EX: Programming DH | LEC: Solar System GSI | Rain date (for Detroit observatory) |
| 7/10/2014 | LAB: Galactic star clusters GSI/USIs | LEC: Exoplanets MV | EX: Programming DH | Lunch | LEC: Galaxies MV | EX: Galaxy mergers GSI/USIs | Quiz Bowl GSI/USIs | Observing (Peach Mountain) |
| 7/11/2014 | Bagels and coffee 9:45 | EX: Programming DH | EX: Programming DH | Lunch | LEC: Relativity DH | Research: Introduction MV/DH/MS | LAB: Small Radio Telescope MW observing set up P. Hughes | |
| WEEK TWO | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:30 | 1:30-2:30 | 2:30-3:30 | 3:30-4:30 | |
| 7/14/2014 | EX: Milky Way rotation curve MV | | LEC: Three pillars of cosmology DH | Lunch | LAB: Tully-Fisher (1:30-3:00) GSI/USIs | VISIT: NH Museum planetarium ***3:30-4:30 PM*** (Confirmed 5/27) | | |
| 7/15/2014 | LEC: Dark matter DH | RESEARCH: | | Lunch: admissions presentation | Prepare scale model of Local Group | | | Rain date (Peach Mountain) |
| 7/16/2014 | Present Local Group model to passersby on Diag | | | Lunch: local restaurants | VISIT: Manuscript collection (1:45-3:30) confirmed | | LAB: Age of the universe GSI/USIs | Rain date (Angell Hall) |
| 7/17/2014 | LEC: Dark energy DH | RESEARCH: Complete research prepare presentations and handouts | | Lunch | LEC: Big Bang DH | NASA funding group activity DH/GSI | Quiz Bowl GSI/USIs | |
| 7/18/2014 | RESEARCH: group presentations | | Distance ladder, recap, highlights | Lunch | | | | |