

Note: Course Dates indicate Beginning and Ending Dates

M=Monday, T=Tuesday, W=Wednesday, R=Thursday, F=Friday, S=

CRN	Instructor	Days	Time	Room	D	CRN	Instructor	Days	Time	Room	D
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## Astronomy

### ASTR 115 Planetary Astronomy

3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, MATH 030.

The astronomy of the solar system including the history of astronomy, Newton's and Kepler's laws, light, telescopes, the Sun, terrestrial and giant planets, satellites, comets, meteors, and the origin of the solar system. 54 lecture hours.

CSU UC

20854 Kaisler, D. MW 09:55 AM-11:20 AM MA 227 08/23-12/14

20855 Kaisler, D. MW 01:05 PM-02:30 PM MA 227 08/23-12/14

21315 Kary, D. TR 11:30 AM-12:55 PM MA 227 08/23-12/14

21750 Chan, L. R 07:00 PM-10:10 PM MA 227 08/23-12/14

21276 Kary, D. HRS-ARRG 08/23-12/14

**DISTANCE EDUCATION CLASS After registering go to [www.citruscollege.edu/de](http://www.citruscollege.edu/de)**

**Students required to take exams on campus.**

21487 Kary, D. HRS-ARRG 08/23-10/19

**DISTANCE EDUCATION CLASS After registering go to [www.citruscollege.edu/de](http://www.citruscollege.edu/de)**

**First eight weeks**

**Students required to take exams on campus.**

### ASTR 116 Stellar Astronomy

4 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, MATH 030.

The fundamental areas of stellar astronomy including the structure, classification and evolution of stars, galaxies and the universe, interstellar matter, and the theories of Newton and Einstein. Laboratory exercises include: energy and forces, light, optics, telescopes, stars and their classification, and galaxies. 54 lecture hours, 54 lab hours. CSU UC

20859 Kary, D. TR 04:30 PM-05:55 PM MA 227 08/23-12/14

**Lecture section only. Lab section CRN 20861 or 20863 also required.**

20858 Kary, D. HRS-ARRG 08/23-12/14

**DISTANCE EDUCATION After registering go to [www.citruscollege.edu/de](http://www.citruscollege.edu/de).**

**Lecture section only. Lab section CRN 20860 or 20862 also required. Students**

**required to take exams in Testing Center on campus.**

20860 Chan, L. M 07:00 PM-10:10 PM MA 227 08/23-12/14

**Lab section only. DE lecture section CRN 20858 also required.**

20861 Kaisler, D. T 01:00 PM-04:10 PM MA 227 08/23-12/14

**Lab section only. Lecture section CRN 20859 also required.**

20862 Chan, L. W 07:00 PM-10:10 PM MA 227 08/23-12/14

**Lab section only. DE lecture section CRN 20858 also required.**

20863 Kaisler, D. R 01:00 PM-04:10 PM MA 227 08/23-12/14

**Lab section only. Lecture section CRN 20859 also required.**

### ASTR 117 Life In The Universe

3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, MATH 030.

The original and evolution of life on Earth, the processes and conditions relevant to life elsewhere in the universe, and the ongoing search for

extraterrestrial life. 54 lecture hours. CSU UC

21329 Kaisler, D. MW 05:25 PM-06:50 PM MA 227 08/23-12/14

20864 Kaisler, D. TR 09:55 AM-11:20 AM MA 227 08/23-12/14