



**PROGRAM REVIEW – CURRICULUM REVIEW**  
2015-16

## Astronomy

### Courses with CID Designation

| Course Name | CID # | CID Name | COR Effective Term |
|-------------|-------|----------|--------------------|
| N/A         |       |          |                    |

### Dual Listed Courses

| Course Name | Dual Listed |
|-------------|-------------|
| N/A         |             |

### List of Active Courses offered or not offered in the last 3 years

| Course ID  | 2012-2013 |      |        | 2013-2014 |      |        | 2014-2015 |      |        |
|------------|-----------|------|--------|-----------|------|--------|-----------|------|--------|
|            | Summer    | Fall | Spring | Summer    | Fall | Spring | Summer    | Fall | Spring |
| ASTR G100  |           | X    | X      |           | X    | X      |           | X    | X      |
| ASTR G100L |           | X    | X      |           | X    | X      |           | X    | X      |



## PROGRAM REVIEW – SLO ASSESSMENTS 2015-16

### Astronomy

\*Assessment status reflects assessments between Fall 2013 through Summer 2015

#### Courses with ongoing assessments

| Course Name | # of cSLOs | # of cSLOs Assessed | Status |
|-------------|------------|---------------------|--------|
| ASTR G100   | 5          | 5                   | ↑      |
| ASTR G100L  | 4          | 4                   | ↑      |

|   |                    |
|---|--------------------|
| ↑ | Fully assessed     |
| ↔ | Partially assessed |
| ↓ | No assessment      |

#### Courses with cSLOs that still need to be assessed

| Course Name | cSLO #         | cSLO |
|-------------|----------------|------|
| N/A         | Fully assessed |      |

#### Courses Assessed and their Action Plans

| Course Name | cSLO #   | Semester Assessed            | Action Plans  |
|-------------|--|------------------------------|---|
| ASTR G100   | cSLO 1<br>cSLO 2<br>cSLO 3<br>cSLO 4<br>cSLO 5 | 2014 - 2015<br>(Fall 2014)   | <p>What I do already: I give them plenty of warning on the first day about the level of difficulty. I give them examples of questions that that will be on the exam. I have similar questions on the lecture slides.</p> <p>What I would do to improve: I will provide a more detailed study guide with questions very similar to the exam questions. I will bring in my own telescope to provide real examples of the topic. I will have students observe through the telescope to gain real life experience.</p>  |
| ASTR G100   | cSLO 3   | 2013 - 2014<br>(Fall 2013)   | <p>First, more attention will be paid to telescopes and instrumentation (see Results, above).</p> <p>In light of the results in step 4, it seems that embedded multiple choice questions may not be the best method of assessment. Beginning next semester, I plan on adopting a short, free-answer question tailored to the specific SLO, with a clearly-defined rubric for Mastery, Competency, and Deficiency.</p>   |
| ASTR G100   | cSLO 4<br>cSLO 5                               | 2013 - 2014<br>(Fall 2013)   | <p>More specific and complete categorization of planetary, stellar and galactic properties, as well as various evolutionary models of stars, galaxies and the universe can be assignments in the form of comparison charts and summaries, either as group and/or individual projects?</p> <p>Students will be encouraged to explain the various evolutionary models concerning stars, galaxies and the universe in oral as well as written form?<br/>More visual aids, such as videos and graphics will be utilized, and more analogies presented to improve understanding of complex concepts.</p> |
| ASTR G100   | cSLO 4<br>cSLO 5                               | 2014 - 2015<br>(Spring 2015) | <p>More specific and complete categorization of planetary, stellar and galactic properties, as well as various evolutionary models of stars, galaxies and the universe can be assignments in the form of comparison charts and summaries, either as group and/or individual projects. More demonstrations of lunar, solar, planetary, and galactic motions should be included in class.</p>   |

## Courses Assessed and their Action Plans

| Course Name | cSLO #                               | Semester Assessed            | Action Plans  |
|-------------|--------------------------------------|------------------------------|---|
|             |                                      |                              | Students will be encouraged to explain the various evolutionary models concerning stars, galaxies and the universe in oral as well as written form. More visual aids, such as videos and graphics will be utilized, and more analogies presented to improve understanding of complex concepts. The weakest area seems to be models concerning stars and galaxies. More review of concepts in class and in assignments, as well as animation of the more abstract ideas should be implemented. |
| ASTR G100   | cSLO 4<br>cSLO 5                     | 2014 - 2015<br>(Fall 2014)   | More specific and complete categorization of planetary, stellar and galactic properties, as well as various evolutionary models of stars, galaxies and the universe can be assignments in the form of comparison charts and summaries, either as group and/or individual projects. More demonstrations of lunar, solar, planetary, and galactic motions should be included in class.  |
|             |                                      |                              | Students will be encouraged to explain the various evolutionary models concerning stars, galaxies and the universe in oral as well as written form. More visual aids, such as videos and graphics will be utilized, and more analogies presented to improve understanding of complex concepts. This strategy seemed to be able to acquire noticeable improvement over last semester's performance.  |
| ASTR G100L  | cSLO 1<br>cSLO 2<br>cSLO 3<br>cSLO 4 | 2014 - 2015<br>(Fall 2014)   | I will search for a lab book which addresses all the SLOs, and have more involved labs which will take the entire 3 hours. If not possible, I will create more labs of my own. I will have my self-written labs more polished. I will include more outdoor activities. I will develop an in depth final exam.   |
| ASTR G100L  | cSLO 1                               | 2013 - 2014<br>(Spring 2014) | No changes needed for this particular SLO.  |
| ASTR G100L  | cSLO 1<br>cSLO 2<br>cSLO 3<br>cSLO 4 | 2014 - 2015<br>(Fall 2014)   | Students should be encouraged to complete all lab activities. Their work is checked each session and effort must be made to guide them to correct all their mistakes with explanations.<br>Students should be encouraged and monitored to complete their formal lab reports and helped with conforming to the guidelines and format. Students should be encouraged to take the final exam with adequate preparation.  |