| Change in Title and Description | CHANGE FROM:  
A four-week summer course at Fudan University in Shanghai, China. First-hand experience in Chinese society to develop Chinese language skills. No background in Chinese language required. Offered on a graded basis only. [3] (INT)  
CHANGE TO:  
Asian Studies 236. Inside China.  
First-hand experience of China's dynamic society and expanding economy. Guided exploration of famous historical sites and contemporary institutions such as hospitals, businesses, factories, and art galleries in Beijing and Shanghai. Interviews with individuals from many different walks of life, including physicians, entrepreneurs, migrant workers, and college students. No knowledge of Chinese is required. Offered on a graded basis only. [3] (INT) |
| Change in Description in Astronomy | CHANGE FROM:  
Observed and physical properties of stars; supernova, neutron stars, black holes; our Milky Way galaxy and other galaxies; cosmology and the Big Bang; dark matter and dark energy. No credit for students who have earned credit for 205. [3] (MNS)  
CHANGE TO:  
Observed and physical properties of stars. Supernova, neutron stars, and black holes. Our Milky Way galaxy and other galaxies. Cosmology, dark matter, dark energy, and the Big Bang. No credit for students who have completed 122 or 205. [3] (MNS) |

Creator: Rogaski, Ruth
Instructor: Xianmin LIU

Creator: Weintraub, David A.
<table>
<thead>
<tr>
<th>Change in Description in Astro</th>
<th>CHANGE FROM:</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Student Option</td>
<td>Astronomy 103. Introductory Astronomy Laboratory.</td>
</tr>
<tr>
<td>Intended Term: Fall 2013</td>
<td>Motion of the celestial sphere. Apparent and real motions of celestial bodies. Our view from inside the Milky Way. Observations of meteor showers, comets, and man-made satellites; telescopic observations of astronomical objects; stellar spectra. Laboratory ordinarily accompanied by 102 or 205. Satisfies the AXLE lab course requirement when completed with 102. [1] (No AXLE credit)</td>
</tr>
<tr>
<td>Word count: 66</td>
<td>CHANGE TO:</td>
</tr>
<tr>
<td>Instructor: staff</td>
<td>Astronomy 103. Introductory Astronomy Laboratory.</td>
</tr>
<tr>
<td>Creator: Weintraub,David A.</td>
<td>Motion of the celestial sphere. Apparent and real motions of celestial bodies. Our view from inside the Milky Way. Observations of meteor showers, comets, and man-made satellites. Telescopic observations of astronomical objects. Stellar spectra. Laboratory ordinarily accompanied by 102 or 205. Satisfies the AXLE lab course requirement when completed with 102 or 205. No credit for students who have completed 122. [1] (No AXLE credit)</td>
</tr>
</tbody>
</table>

| New Course in Astronomy      | ADD:          |
| *Student Option              | Astronomy 122. Introduction to Observational Astronomy.  |
| Intended Term: Summer 2013   | Telescopic and naked eye observations. Light, optics, telescopes, CCD cameras. Operation of telescopes. Motions of the sky. Kepler’s laws. Phases of and craters on the Moon. Distances, temperatures, and brightnesses of stars. Star clusters. Dark matter. Taught entirely at Dyer Observatory using 24-inch telescope. Satisfies the AXLE lab science requirement. Students who have earned credit for 102 or 205 will earn one credit hour for this course. Students who have earned credit for 103 will earn three credit hours for this course. Students who have earned credit for 103 and either 102 or 205 will earn no credit hours for this course. [4] (MNS) |
| Word count: 105              | Instructor: William K. Teets |
| Instructor: William K. Teets | Creator: Weintraub,David A.  |
### New Course in Astronomy

**Student Option**  
**Intended Term:** Spring 2014  
**Word count:** 76  
**Instructor:** Andreas Berlind

**New Course in Earth and Environmental Sciences**  

**Student Option**  
**Intended Term:** Summer 2013  
**Word count:** 39  
**Instructor:** Guilherme Gualda

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#### ADD:

**Astronomy 254. Structure Formation in the Universe.**


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#### ADD:

**Earth and Environmental Sciences 210. Field Methods.**

Content varies according to location and disciplinary focus. May be repeated for credit more than once if there is no duplication in topic. Students may enroll in more than one section of this course each semester. [3] (MNS)