Stellar Astronomy
Astronomy 115
Winter 2014 Syllabus

Instructor
• Frank Skorina
• frank.skorina@wwcc.edu
• Office in room 40, way in the back
• 527-4578 (w), 301-3839 (c)

Course Description
This course explores the formation, evolution, and deaths of stars.

Class Schedule
• Mon., Tue., Wed., Fri., Room 102, 9:30 am – 10:20 am
• Thursdays, Room 102, 8:30 am – 10:20 am (LABS)
• No class on Monday, January 20 (MLK's Day)
• No class on Monday, February 17 (Presidents' Day)
• No class on Tuesday, February 25 (Advising Day)
• Last class is on Tuesday, March 18
• Final exam is on Wednesday, March 19, 9:30 am – 11:20 am

Materials
• In Quest of the Universe, 7th Edition; by Kuhn and Koupelis, 2014
• Scientific calculator

Accommodations
If you have a disability and need accommodations, please see the instructor after class or contact Claudia Angus, the Disabilities Coordinator at claudia.angus@wwcc.edu or 509-527-4543.

Grading
• Three Exams, 45%
• Final Exam, 20%
• Labs Exercises, 20%
• Quizzes, 10%
• Daily Reports, 5%
• Grade Table where x is the percent of points earned:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93 ≤ x ≤ ∞</td>
</tr>
<tr>
<td>A-</td>
<td>90 ≤ x &lt; 93</td>
</tr>
<tr>
<td>B</td>
<td>87 ≤ x &lt; 90</td>
</tr>
<tr>
<td>B-</td>
<td>80 ≤ x &lt; 83</td>
</tr>
<tr>
<td>C</td>
<td>77 ≤ x &lt; 80</td>
</tr>
<tr>
<td>C-</td>
<td>70 ≤ x &lt; 77</td>
</tr>
<tr>
<td>D</td>
<td>67 ≤ x &lt; 70</td>
</tr>
<tr>
<td>D-</td>
<td>60 ≤ x &lt; 67</td>
</tr>
<tr>
<td>F</td>
<td>−∞ ≤ x ≤ 60</td>
</tr>
</tbody>
</table>
Exams
- Three exams during the quarter consisting of a variety of question types.
- One comprehensive final exam.

Labs
Labs will usually consist of worksheets, often with geometric construction. Some may be finished during class, some will need additional time. The due date for each lab will be announced. There will be approximately six labs during the quarter.

Homework
There are review questions at the end of each chapter in the textbook. Although I will not be collecting homework, I strongly urge you to write out each of the answers. There will be no better method of studying for tests and the final than going over the answers to these review questions and reading through your lecture notes.

Quizzes
There will be a number of quizzes given during the quarter. Quizzes will be on the material just covered, usually from the previous lecture. The top 80% of the quizzes will count towards the final quiz grade. Quizzes will be graded out of 5. There will not be any opportunity to make up quizzes.

Outline
Chapter 1: The Quest Ahead (sections 1, 2, 9, 10, and 11)
Chapter 4: Light and the Electromagnetic Spectrum
Chapter 5: Telescopes: Windows to the Universe
Exam 1 on Tuesday, January 27
Chapter 11: The Sun
Chapter 12: Measuring the Properties of Stars
Exam 2 on Tuesday, February 18
Chapter 13: Interstellar Matter and Star Formation
Chapter 14: The Lives and Deaths of Low-Mass Stars
Exam 3 on Thursday, March 6
Chapter 15: The Deaths of Massive Stars
Final Exam on Wednesday, March 19

Disclaimer
Instructor reserves the right to make changes to this syllabus at any time.