ASTB03H3 Y LEC99  Course Information (Summer 2020 - online)

Lecturer: Dr. Eric Shaver

e-mail: eric.shaver@utoronto.ca  {NOTE: please include "ASTB03" in the subject}

In this course, the evolution of humanity's perception and understanding of the structure and history of the Universe is examined. The course begins with a brief examination of recent discoveries. We then examine the process that has led to the current context for the relevance of these discoveries. We look at ancient models of the Solar system and how these models were related to the observations made by ancient peoples. The influence of advancing technology on these models is also studied. Following this, significant revolutions in our understanding of the universe are examined from an historical and technological perspective. These include:

i) the development of the modern view of the solar system
ii) the development of our understanding of the nature of stars
iii) the discovery of the nature of the Milky Way and other galaxies
iv) the discovery of the expansion of the Universe and its implications
v) the discovery of extreme objects and extrasolar planets

Mark breakdown/ Dates:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>%</th>
<th>Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignment 1</td>
<td>15%</td>
<td>June 3</td>
</tr>
<tr>
<td>Assignment 2</td>
<td>15%</td>
<td>June 30</td>
</tr>
<tr>
<td>Assignment 3</td>
<td>15%</td>
<td>July 22</td>
</tr>
<tr>
<td>Assignment 4</td>
<td>10%</td>
<td>Aug 12</td>
</tr>
<tr>
<td>Weekly Quizzes</td>
<td>12%</td>
<td>TBA (Aug 18 – 30)</td>
</tr>
</tbody>
</table>

No Lectures: June 24 (rdg. wk)  July 1 (Can. day) – resume July 8

Course Notes, Lectures: Available through Quercus. For each lecture, notes will be posted along with a powerpoint. A pre-recorded video of the lecture that goes with the powerpoint will be posted. The video may also include other digital elements that would normally be included in a live lecture (e.g. video clip, simulation). These will usually be available starting at 7 PM on Wednesdays.

Late assignments: A penalty of 10 % of the possible marks will be assessed for each day late.

Plagiarism: While discussion with classmates is encouraged, the material you hand in must be your own work. Plagiarism is defined as the using of ideas or passages from someone else's work and presenting them as your own. This is strictly forbidden. While you will be using the ideas of other people to answer these questions, your responses must be in your own words – they must reflect your understanding of the topic. Refer to the UTSC Code of Behaviour on Academic Matters for further information regarding academic offences and penalties. On assignments, any questions containing plagiarized work will receive a mark of zero for the question.
Quiz Schedule

Quizzes will be available on Quercus on Wednesdays from 7 to 8 PM (you can begin any time in that window). The quizzes will be timed (typically 15 minutes, but may vary – you will be notified). The quizzes will be multiple choice and you will not be able to return to previous questions. Each quiz will be based on the course notes and lecture covered in the previous week.

Quiz 1: May 20
Quiz 2: May 27
Quiz 3: June 3
Quiz 4: June 10
Quiz 5: June 17
Quiz 6: July 8
Quiz 7: July 15
Quiz 8: July 22
Quiz 9: July 29
Quiz 10: Aug 5
Quiz 11: Aug 12