General Information

Instructor: Travis Martin  
Email: travismartin@uvic.ca  
Office: Elliot 402B  
Office Hours: Wed, 3pm-5pm  
Course Webpage: http://coursespaces.uvic.ca

Lecture Schedule: Tues, Wed, Fri from 11:30am - 12:20pm in DSB C103.

Prerequisites: There are no prerequisites for this course. The material covered in this course will be taught with a minimum expectation of mathematics. Students comfortable with mathematics and physics may wish to consider taking ASTR150 and/or 250.

Required Materials:

- The Solar System by Seeds and Backman.  
  Note: The bookstore sells both paperback and digital-only copies, both of which include the online MindTap system bundled together. This course will not be using MindTap. There is no option to purchase it without MindTap through the bookstore. Other sellers may have paperback versions of the text, which work just as well.
- Astro 101 Lab Manual  
- i>Clicker  
- University approved calculator

Some notes regarding minimum participation in order to pass this course:

- You must complete all labs in order to pass this course. If you miss a lab period for a valid reason, contact me ASAP. I will determine approval to perform a make-up lab, and forward the approval to the lab supervisor.  
- You must achieve a passing grade in the labs in order to pass the course.  
- You must achieve a minimum 40% grade in all other components of the course, individually.

A failure in any of these conditions will result in a grade of F for the course, regardless of your overall performance in the course.
Course Outline

The lecture slides for this course generally follow the material in the textbook. However, the material has been arranged in a non-linear fashion, and some extra material (not in the textbook) has been included to round out the discussion.

Below is an approximate outline of the order and dates in which material will be covered. Depending on the depth of in-class discussion, the material may take more or less time than anticipated. In the scenario that material takes longer than expected, some slides may be skipped in the lectures. Students are responsible for ALL of the material in the slides, including those that are skipped, since the full set of slides are available to students via CourseSpaces.

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<td>Introduction</td>
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<td>Sep 7-12</td>
<td>Topic 1 - Science and Astronomy</td>
<td>Ch 1 &amp; Extras</td>
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<td>Sep 14-19</td>
<td>Topic 2 - The Night Sky</td>
<td>Ch 2 &amp; 3</td>
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<td>Sep 21-28</td>
<td>Topic 3 - History of Astronomy</td>
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<td>Oct 2-3</td>
<td>Topic 4 - Light</td>
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<td>Topic 5 - Telescopes</td>
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<td>Oct 10-17</td>
<td>Topic 6 - Sun</td>
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<td>Topic 7 - Earth</td>
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<td>Oct 30-Nov 2</td>
<td>Topic 8 - Terrestrials</td>
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<td>Topic 9 - Jovians</td>
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<td>Nov 16-20</td>
<td>Topic 10 - Asteroids, etc</td>
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<td>Topic 11 - Origin Theories</td>
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<td>Nov 28-Dec 4</td>
<td>Topic 12 - Exoplanets and Exobiology</td>
<td>Ch 19-4 &amp; 26</td>
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Testing materials will be based on the topics covered in the lecture slides, but may require students to explore the topics further via the text or via online resources for a deeper understanding.
Grading

This course has four grading components. The weighted average from these four components will be used to guide the grade assessment. If the application of this scheme would result in grades that are judged by the instructor to be inconsistent with the University’s grading descriptions (https://web.uvic.ca/calendar2014/FACS/UnIn/UARe/Grad.html), then the instructor will assign percentages consistent with them. The instructor will review all lab marks prior to assigning a final grade.

Clicker Questions: 10%

Clicker question grades are participation based only. There will be at least one clicker question per lecture, and questions may occur at any time during the lecture – placement within the material is based on learning objectives. (Note: Students arriving late or leaving early may miss enough questions to not receive any marks for the lecture.) These questions are meant to encourage students to pay attention and participate actively in the class.

Quizzes: 20%

Quizzes will be administered via CourseSpaces on Thursdays, approximately every other week (total of 5 quizzes). Students have all day to complete the quiz. The quizzes are open book, but students may NOT collaborate with other people or seek outside help. I will be using software to monitor the quizzes and students found collaborating may be reported to the university administration for an academic integrity violation.

These quizzes will be comprised of a combination of multiple choice questions, true/false questions and short answer questions. These questions will focus on the material covered in the lecture slides, but may require you to investigate the material further in order to fully understand the concepts.

In the case that you must miss a quiz due to illness or emergency, the grade weight for that quiz will be redistributed among the other quizzes and final exam.

Laboratory Activities: 25%

You must attend your scheduled lab section. You are not free to attend other lab sections without approval of the lab supervisor.

There are a total of five labs throughout this course. These are experiential sessions to provide students with a hands-on understanding of the material. More information about the labs is provided in the lab manual that students must purchase for the course.

Due to the challenges of coordinating labs and lectures, it is not possible to synchronize the material from the labs with the material from the course. Some labs exercises may precede the discussion of the material in the lectures, however steps are taken to minimize this as much as possible.

Final Exam: 45%

The material of the final exam will be comprehensive of the material covered in the course, and the questions will be similar in style and scope to those in the quizzes. However, there may be additional types of questions, such as image identification. Thus, it is important that students be able to identify images presented throughout the lectures.
University Regulations on Academic Integrity

These regulations are reproduced from [http://web.uvic.ca/calendar2011/FACS/UnIn/UARe/PoAtI.html](http://web.uvic.ca/calendar2011/FACS/UnIn/UARe/PoAtI.html). For full information, including procedures for dealing with academic integrity infringement, see the webpage linked above.

Academic integrity requires commitment to the values of honesty, trust, fairness, respect, and responsibility. Any action that contravenes this standard, including misrepresentation, falsification or deception, undermines the intention and worth of scholarly work and violates the fundamental academic rights of members of our community.

Several types of academic integrity violations are covered in brief below.

**Plagiarism**

A student commits plagiarism when he or she:

- submits the work of another person as original work
- gives inadequate attribution to an author or creator whose work is incorporated into the student’s work, including failing to indicate clearly the inclusion of another individual’s work
- paraphrases material from a source without sufficient acknowledgement as described above

Students who are in doubt as to what constitutes plagiarism in a particular instance should consult their course instructor.

**Falsifying Material Subject to Academic Evaluation**

Falsifying materials subject to academic evaluation includes, but is not limited to:

- fraudulently manipulating laboratory processes, electronic data or research data in order to achieve desired results
- using work prepared by someone else (e.g., commercially prepared essays) and submitting it as one’s own
- citing a source from which material was not obtained
- using a quoted reference from a non-original source while implying reference to the original source
- submitting false records, information or data, in writing or orally

**Cheating on Assignments, Tests/Quizzes and Examinations**

Cheating includes, but is not limited to:

- copying the answers or other work of another person
- sharing information or answers when doing take-home assignments, tests and examinations except where the instructor has authorized collaborative work
- having in an examination or test any materials or equipment other than those authorized by the examiners impersonating a candidate on an examination or test, or being assigned the results of such impersonation
  - *assisting others to engage in conduct that is considered cheating*

I will be using software to analyze student responses on class work to ensure that student responses are sufficiently unique.