

## GEOG 2090A: Space Exploration Course Outline: Section 001 – Fall 2018

### 1. Course Information

#### 1.1. Classroom Location:

SSC 2050, Tuesdays 8:30-9:20am and Thursdays 9:30-10:20am

#### 1.2. Contact Information:

Instructor: Danny Bednar

Office: SSC 2410A

Office Hours/Non-Urgent Email Response: Fridays 1-3pm

Email: [dbednar@uwo.ca](mailto:dbednar@uwo.ca)

Teaching Assistants:

(Last Names: A-G): Armin Ahmadi, [aahma2@uwo.ca](mailto:aahma2@uwo.ca)

(Last Names: H-P): Emmanuel Asafo Adjei, [esasafoad@uwo.ca](mailto:esasafoad@uwo.ca)

(Last Names: Q-Z): Vali Vakhshoori, [svakhsho@uwo.ca](mailto:svakhsho@uwo.ca)

### 2. Calendar Description

#### 2.1. Course Description

Survey of human activity in outer space, including history of spaceflight, scientific exploration, economic and military uses of space, natural resources and hazards, legal and ethical implications, and plausible future developments.

3 lecture hours, 0.5 course

Antirequisite(s): none

Prerequisite(s): none

Prerequisite checking is the student's responsibility

#### 2.2. Senate Regulations

Senate Regulations state, "unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you will be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites."

### 3. Textbook

Fitch, Baker, & Collins, (2018). *Apollo. Self Made Hero*, London, United Kingdom, 149 pp. ISBN: 978-1-910593-50-9

The book is available in the Campus Book Store for \$33.00

#### 4. Course Objectives

The objective of this course is to familiarize students with the history and present of human engagement with space, including in Earth's orbit and throughout our solar system. The course aims to reveal to students the growing intersection between their daily lives and on-going processes in outer space.

#### 5. Learning Outcomes

At the conclusion of the course, students will be able to:

- a. Explain the advancement of human engagement with non-Earth spaces and how these engagements have interacted with other processes in society historically and geographically
- b. Summarize the key discoveries and findings of major space exploration programs and the evolution of humanity's scientific understanding of the solar system
- c. Recognize and appraise the value of space exploration technologies to their daily lives
- d. Evaluate the value and repercussions of past, present, and future space exploration and technologies to society

#### 6. Evaluation

Evaluation Components	Percentage of Course Grade	Assignment Schedule
Quiz #1	20%	October 2, 2018
Quiz #2	20%	October 25, 2018
Quiz #3	20%	November 15, 2018
Final Assignment	40%	December 6, 2018

Students are responsible for material covered in the lectures as well as the assigned chapters/sections in the text.

Students who miss a quiz or the due date of the final project will need to acquire necessary medical or other accommodation services and can learn more by reading Western's Policy on Accommodation for Illness

[http://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/accommodation\\_illness.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_illness.pdf).

For UWO Policy on Accommodation for Medical Illness and a downloadable SMC see:

[http://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/accommodation\\_medical.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_medical.pdf)

Students seeking academic accommodation on medical grounds for any missed tests, exams, participation components and/or assignments worth 10% or more of their final grade must apply to the Academic Counselling office of their home Faculty and provide documentation. Academic accommodation cannot be granted by the instructor or department.

**Grades will not be adjusted on the basis of need. It is important to monitor your performance in the course. Remember: *You* are responsible for your grades in this course.**

## **7. Make-up Examinations**

Makeups will be granted with approved documentation only. All documentation for missed exams must be provided to the Academic Counselling Office and Instructor within 48 hours of the scheduled exam. Otherwise, the instructor will assign a grade of zero.

The format and content of make-ups may differ substantially from the scheduled test or examination.

## **8. Use of Electronic Devices**

No electronic devices will be allowed during tests and examinations.

## **9. Academic Offences**

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following web site: [http://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/scholastic\\_discipline\\_undergrad.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf).

Plagiarized material identified in the final project will result in a score of zero.

All required papers may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com (<http://www.turnitin.com>).

## **10. Western's Commitment to Accessibility**

The Department of Geography strives at all times to provide accessibility to all faculty, staff, students and visitors in a way that respects the dignity and independence of people with disabilities.

Please contact the course instructor if you require material in an alternate format or if you require any other arrangements to make this course more accessible to you. You may also wish to contact Services for Students with Disabilities (SSD) at 519-661-2147 for any specific question regarding an accommodation. Information regarding accommodation of exams is available on the Registrar's website: [www.registrar.uwo.ca/examinations/accommodated\\_exams.html](http://www.registrar.uwo.ca/examinations/accommodated_exams.html)

More information about "Accessibility at Western" is available at: <http://accessibility.uwo.ca>

## **11. Medical Issues**

The University recognizes that a student's ability to meet his/her academic responsibilities may, on occasion, be impaired by medical illness. Please go to:

[https://studentservices.uwo.ca/secure/medical\\_accommodations\\_link\\_for\\_OOR.pdf](https://studentservices.uwo.ca/secure/medical_accommodations_link_for_OOR.pdf) to read about the University's policy on medical accommodation. This site provides links the necessary forms. In the event of illness, you should contact Academic Counselling as soon as possible. The Academic Counsellors will determine, in consultation with the student, whether or not accommodation should be requested. They will subsequently contact the instructors in the

relevant courses about the accommodation. Once the instructor has made a decision about whether to grant an accommodation, the student should contact his/her instructors to determine a new due date for tests, assignments, and exams.

Students must see the Academic Counsellor and submit all required documentation in order to be approved for certain accommodation:

[http://counselling.ssc.uwo.ca/procedures/medical\\_accommodation.html](http://counselling.ssc.uwo.ca/procedures/medical_accommodation.html)

## **12. Mental Health**

If you or someone you know is experiencing distress, there are several resources here at Western to assist you. Please visit the site below for more information on mental health resources: <http://www.uwo.ca/uwocom/mentalhealth/>.

## **13. Support Services**

Student Support Services can be reached at: <http://westernusc.ca/services/>

Student Development Services can be reached at: <http://www.sdc.uwo.ca/>

## **14. Important Dates**

September 6: Classes resume

September 14: Last day to add a full course or a second term half course

October 8: Thanksgiving Holiday – Department Office Closed

October 9-13: Fall Reading Week (No classes; Department Office open)

November 12: Last day to drop a first term half course without penalty

November 30: Last day to drop a full course without academic penalty

December 7: Classes end

December 8 and 9: Study days

December 10-21: Examination Period

December 21: Fall term ends