



COURSE OUTLINE

1. **Course:** GLGY 305, Introduction to Dinosaurs - Winter 2022

Lecture 01 : MF 12:00 - 12:50 in ICT 102

Instructor	Email	Phone	Office	Hours
Jennifer Lewis	jennifer.lewis2@ucalgary.ca			By Appointment

To account for any necessary transition to remote learning in the winter 2022 semester, courses with in-person lectures, labs, or tutorials may be shifted to remote delivery for a certain period of time. In addition, adjustments may be made to the modality and format of assessments and deadlines, as well as to other course components and/or requirements, so that all coursework tasks are in line with the necessary and evolving health precautions for all involved (students and staff).

In Person Delivery Details:

Lecture and Tutorials are scheduled to meet in person in ICT 102 beginning in the fourth week of class (January 31, 2022). Lecture and Tutorial will utilize active learning strategies, including polling, trivia and Top Hat. Students should bring laptops and smart devices to class to participate.

Re-Entry Protocol for Labs and Classrooms:

To limit the spread of COVID-19 on campus, the University of Calgary has implemented safety measures to ensure the campus is a safe and welcoming space for students, faculty and staff. The most current safety information for campus can be found [here](#). **Online Delivery Details:**

This course is being offered online in real-time via scheduled meeting times, you are required to be online at the same time.

To help ensure Zoom sessions are private, do not share the Zoom link or password with others, or on any social media platforms. Zoom links and passwords are only intended for students registered in the course. Zoom recordings and materials presented in Zoom, including any teaching materials, must not be shared, distributed or published without the instructor's permission.

While our course is **scheduled to meet in person during the Winter 2022 term**, the first three weeks of our course will be synchronous online. Lecture and tutorial content will be presented synchronously during the scheduled course meeting times via Zoom. Log in details for the Zoom sessions will be available in D2L. We may utilize synchronous online sessions beyond the first three weeks, including guest lectures and additional online dates as determined by the University.

Course Site:

D2L: GLGY 305 T01-(Winter 2022)-Introduction to Dinosaurs

Top Hat: Join Code: 648092

Note: Students must use their U of C account for all course correspondence.

Note: Course updates, schedule changes and all other important information will be posted in the D2L website for this course. Students are responsible for checking D2L regularly.

Equity Diversity & Inclusion:

The University of Calgary is committed to creating an equitable, diverse and inclusive campus, and condemns harm and discrimination of any form. We value all persons regardless of their race, gender, ethnicity, age, LGBTQIA2S+ identity and expression, disability, religion, spirituality, and socioeconomic status. The Faculty of Science strives to extend these values in every aspect of our courses, research, and teachings to better promote academic excellence and foster belonging for all.

2. **Requisites:**

See section [3.5.C](#) in the Faculty of Science section of the online Calendar.

3. Grading:

The University policy on grading and related matters is described in [F.1](#) and [F.2](#) of the online University Calendar.

In determining the overall grade in the course the following weights will be used:

Course Component	Weight	Due Date (duration for exams)	Modality for exams	Location for exams
Interactive Activities (e.g. Student Profiles, Discussions) ¹	10%	Ongoing		
Quizzes ²	25%	Ongoing		
Top Hat Tutorials ³	25%	Ongoing		
Final Project (Poster and Presentation) ⁴	40%	Apr 01 2022		

¹ These activities include a course orientation quiz, the Student Profiles discussion, check-in activities and Research Discussions.

² These assessments review the course material presented in the assigned textbook readings. Quizzes will become available in D2L on Monday morning and are due by 5 PM on Friday. These quizzes are auto-graded, are generated from a large test bank and are designed to provide you with multiple opportunities to practice and assess your comprehension of the topics covered. You are able to take the quizzes as many times as you choose before the due date. Your highest score from all attempts will be recorded in the gradebook.

³ These application activities provide you an opportunity to apply the weekly topic/concepts to a series of problems. The tutorials will be completed in Top Hat. Tutorials will become available in Top Hat on Monday morning and are due by 5 PM on Friday. You are able to take the tutorials as many times as you choose before the due date. Your highest score from all attempts will be recorded in the gradebook.

⁴ Your understanding of the course topics and concepts will be evaluated with a research project poster and presentation. See the Final Project Information link in D2L for instructions, due dates and submission instructions.

Each piece of work (reports, assignments, quizzes, midterm exam(s) or final examination) submitted by the student will be assigned a grade. The student's grade for each component listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade.

The conversion between a percentage grade and letter grade is as follows.

	A+	A	A-	B+	B	B-	C+	C	C-	D+	D
Minimum % Required	95 %	90 %	85 %	80%	75%	70 %	65 %	60%	55%	50 %	45 %

The University of Calgary offers a [flexible grade option](#), Credit Granted (CG) to support student's breadth of learning and student wellness. Faculty units may have additional requirements or restrictions for the use of the CG grade at the faculty, degree or program level. To see the full list of Faculty of Science courses where CG is not eligible, please visit the following website: <https://science.ucalgary.ca/current-students/undergraduate/program-advising/flexible-grading-option-cg-grade>

4. Missed Components Of Term Work:

The university has suspended the requirement for students to provide evidence for absences. Please do not attend medical clinics for medical notes or Commissioners for Oaths for statutory declarations.

In the event that a student legitimately fails to submit any online assessment on time (e.g. due to illness etc...), please contact the course coordinator, or the course instructor if this course does not have a coordinator to arrange for a re-adjustment of a submission date. Absences not reported within 48 hours will not be accommodated. If an excused absence is approved, one possible arrangement is that the percentage weight of the legitimately missed assignment could also be pro-rated among the components of the course. This option is at the discretion of the coordinator and may not be a viable option based on the design of this course.

Assignments for the week will be available in D2L and Top Hat on Monday mornings and are due on Fridays at 5 PM. The lowest quiz score and the lowest tutorial score will be automatically dropped for all students before final course grades are calculated.

5. Scheduled Out-of-Class Activities:

There are no scheduled out of class activities for this course.

6. Course Materials:

Required Textbook(s):

Fastovsky and Weishampel, *Dinosaurs A Concise Natural History, 4th edition*: Cambridge.

In order to successfully engage in their learning experiences at the University of Calgary, students taking online, remote and blended courses are required to have reliable access to the following technology:

- A computer with a supported operating system, as well as the latest security, and malware updates;
- A current and updated web browser;
- Webcam/Camera (built-in or external);
- Microphone and speaker (built-in or external), or headset with microphone;
- Current antivirus and/or firewall software enabled;
- Stable internet connection.

For more information please refer to the UofC [ELearning](#) online website.

7. Examination Policy:

This course does not use exams.

Students should also read the Calendar, [Section G](#), on Examinations.

8. Approved Mandatory And Optional Course Supplemental Fees:

There are no mandatory or optional course supplemental fees for this course.

9. Writing Across The Curriculum Statement:

For all components of the course, in any written work, the quality of the student's writing (language, spelling, grammar, presentation etc.) can be a factor in the evaluation of the work. See also [Section E.2](#) of the University Calendar.

10. Human Studies Statement:

Students will not participate as subjects or researchers in human studies.

See also [Section E.5](#) of the University Calendar.

11. Reappraisal Of Grades:

A student wishing a reappraisal, should first attempt to review the graded work with the Course coordinator/instructor or department offering the course. Students with sufficient academic grounds may request a reappraisal. Non-academic grounds are not relevant for grade reappraisals. Students should be aware that the grade being reappraised may be raised, lowered or remain the same. See [Section I.3](#) of the University Calendar.

- Term Work:** The student should present their rationale as effectively and as fully as possible to the Course coordinator/instructor within **ten business days** of either being notified about the mark, or of the item's return to the class. If the student is not satisfied with the outcome, the student shall submit the Reappraisal of Graded Term work form to the department in which the course is offered within 2 business days of receiving the decision from the instructor. The Department will arrange for a reappraisal of the work within the next ten business days. The reappraisal will only be considered if the student provides a detailed rationale that outlines where and for what reason an error is suspected. See sections [I.1](#) and [I.2](#) of the University Calendar
- Final Exam:** The student shall submit the request to Enrolment Services. See [Section I.3](#) of the University Calendar.

12. Other Important Information For Students:

- Mental Health** The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness and academic success, and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the mental health resources available throughout the university community, such as counselling, self-help resources, peer support or skills-building available through the SU Wellness Centre (Room 370, MacEwan Student Centre, [Mental Health Services Website](#)) and the Campus Mental Health Strategy website ([Mental Health](#)).
- SU Wellness Services:** For more information, see www.ucalgary.ca/wellnesscentre or call [403-210-9355](tel:403-210-9355).

- c. **Sexual Violence:** The Sexual Violence Support Advocate, Carla Bertsch, can provide confidential support and information regarding sexual violence to all members of the university community. Carla can be reached by email (syva@ucalgary.ca) or phone at [403-220-2208](tel:403-220-2208). The complete University of Calgary policy on sexual violence can be viewed at (<https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Sexual-and-Gender-Based-Violence-Policy.pdf>)
- d. **Misconduct:** Academic integrity is the foundation of the development and acquisition of knowledge and is based on values of honesty, trust, responsibility, and respect. We expect members of our community to act with integrity. Research integrity, ethics, and principles of conduct are key to academic integrity. Members of our campus community are required to abide by our institutional [Code of Conduct](#) and promote academic integrity in upholding the University of Calgary's reputation of excellence. Some examples of academic misconduct include but are not limited to: posting course material to online platforms or file sharing without the course instructor's consent; submitting or presenting work as if it were the student's own work; submitting or presenting work in one course which has also been submitted in another course without the instructor's permission; borrowing experimental values from others without the instructor's approval; falsification/fabrication of experimental values in a report. Please read the following to inform yourself more on academic integrity:

[Student Handbook on Academic Integrity](#)
Student Academic Misconduct [Policy](#) and [Procedure](#)
[Research Integrity Policy](#)

Additional information is available on the [Student Success Centre Academic Integrity page](#)

e. **Academic Accommodation Policy:**

It is the student's responsibility to request academic accommodations according to the University policies and procedures listed below. The student accommodation policy can be found at: <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Accommodation-Policy.pdf>

Students needing an accommodation because of a disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities: <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Accommodation-for-Students-with-Disabilities-Procedure.pdf>.

Students needing an accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, by filling out the [Request for Academic Accommodation Form](#) and sending it to Jennifer Cuthbertson by email cuthberj@ucalgary.ca preferably 10 business days before the due date of an assessment or scheduled absence.

- f. **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIP). Students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information, see [Legal Services](#) website.
- g. **Student Union Information:** [VP Academic](#), Phone: [403-220-3911](tel:403-220-3911) Email: suvpaca@ucalgary.ca. SU Faculty Rep., Phone: [403-220-3913](tel:403-220-3913) Email: sciencerep@su.ucalgary.ca. [Student Ombudsman](#), Email: ombuds@ucalgary.ca.
- h. **Surveys:** At the University of Calgary, feedback through the Universal Student Ratings of Instruction ([USRI](#)) survey and the Faculty of Science Teaching Feedback form provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses. Your responses make a difference - please participate in these surveys.
- i. **Copyright of Course Materials:** All course materials (including those posted on the course D2L site, a course website, or used in any teaching activity such as (but not limited to) examinations, quizzes, assignments, laboratory manuals, lecture slides or lecture materials and other course notes) are protected by law. These materials are for the sole use of students registered in this course and must not be redistributed. Sharing these materials with anyone else would be a breach of the terms and conditions governing student access to D2L, as well as a violation of the copyright in these materials, and may be pursued as a case of student academic or [non-academic misconduct](#), in addition to any other remedies available at law.

What will you learn in this course?

The goal of GLGY 305 Introduction to Dinosaurs is to gain an understanding of key scientific concepts including

plate tectonics, geologic time and evolution. We will use dinosaurs to understand that the Earth has a long history, has landscapes and features that have changed due to plate tectonics, how evolution creates new species and how species are related to each other. Upon completion of this course, you will be able to:

- Explain how paleontologists use the scientific method to learn new things about dinosaurs.
- Use plate tectonic theory to describe how the Earth looked like during the Mesozoic.
- Identify the geologic time periods when different dinosaur groups were alive.
- Explain how new species evolve.
- Identify the taxonomic relationships between different dinosaur groups.
- Explain what happened to the dinosaurs at the end of the Mesozoic.

Course Schedule and Due Dates:

Week	Date	Lecture/Tutorial Description (MWF 12-12:50)	Items Due Friday @ 5 PM
1	10-Jan	Course and Dinosaur Introduction	Student Profiles & Course Orientation Quiz
	12-Jan	Tutorial Introduction	
	14-Jan	Plate Tectonics: Where did dinosaurs live?	
2	17-Jan	Mesozoic Climates	Quiz, Tutorial and Final Project Topic Selection
	19-Jan	Plate Tectonics Tutorial	
	21-Jan	Mesozoic Climates	
3	24-Jan	Geologic Time: When did dinosaurs live?	Quiz and Tutorial
	26-Jan	Field Work Prep 1 Tutorial	
	28-Jan	Geologic Time: When did dinosaurs live?	
4	31-Jan	How are Fossils Made?	Quiz, Tutorial and Final Project Discussion 1
	2-Feb	Field Work 1: Bonebed Excavation Tutorial	
	4-Feb	How are Fossils Made?	
5	7-Feb	History of Dinosaur Discovery	Quiz and Tutorial
	9-Feb	Who Owns the Bones? Tutorial	
	11-Feb	History of Dinosaur Discovery	
6	14-Feb	Evolution: How do we classify life	Quiz and Tutorial
	16-Feb	TBD	
	18-Feb	Evolution: How do we classify life	
7	21-Feb	Spring Break / Reading Week - NO CLASS	
	23-Feb		
	25-Feb		
8	28-Feb	Vertebrate Evolution	Quiz and Tutorial
	2-Mar	What did <i>T. rex</i> taste like? Tutorial	
	4-Mar	Vertebrate Evolution	
9	7-Mar	Dinosaur Diversity	Quiz and Tutorial
	9-Mar	Dinosaur-ganization Tutorial	
	11-Mar	Dinosaur Diversity	
10	14-Mar	Sauropodomorphs	Quiz, Tutorial and Final Project Discussion 2
	16-Mar	Field Work 2: How Fast? Tutorial	
	18-Mar	Sauropodomorphs	
11	21-Mar	Ornithischians	Quiz and Tutorial
	23-Mar	Dinosaur Skulls Tutorial	
	25-Mar	Thyreophorans	
12	28-Mar	Marginocephalians	Quiz, Tutorial and Final Project Report and Presentations
	30-Mar	Thermoregulation Tutorial	
	1-Apr	Ornithoipods	
13	4-Apr	Theropods	Quiz and Tutorial
	6-Apr	Dinosaur Mass: Weighing In Tutorial	

	8-Apr	Theropods	
14	11-Apr	What happened to the dinosaurs?	Quiz and Course Survey
	13-Apr	Optional Online Trivia Review	
	15-Apr	NO CLASS	
15	18-Apr	Exam Week - NO CLASS	
	20-Apr		
	22-Apr		

*Note: Course Schedule Subject to Change

Electronically Approved - Jan 06 2022 11:08

Department Approval

Electronically Approved - Jan 10 2022 09:28

Associate Dean's Approval