

Purdue Northwest Curriculum Document Coversheet

Document No: (According to Instructions ¹)	CES 17-02 NEW COURSE SCI 14200	Approval by Faculty Senate: (Leave Blank)	January 12, 2018
Proposed Effective Date	Fall 2018	Date Reviewed by Senate Curriculum Committee: (Leave blank)	December 8, 2017
Submitting Department: (Name of both Dept & College/School)	Biological Sciences/College of Engineering and Sciences	Name(s) of Library Staff Consulted: (NA if not required)	N/A
Date Reviewed by Department	11/17/2017		
Submission Date: (Date sent to College/School Curr Comm after Dept Review)	11/20/2017	Will New Library Resources Used?	YesX No Double-click to check Yes / No.
Date Reviewed by College/School Curriculum Committee	11/27/2017	Form 40 Needed? (Double-click one box.) Registrar will complete Form 40 after Senate approval of document.	Yes New courses or any course change, check YES No For all other curriculum matters, check NO.
Contact Person(s): (Name & Title)	Dr. Michelle Spaulding Assistant Professor		

Unless marked "Leave blank" all parts of this form must be filled in **before** sending to Secretary of the Faculty Senate.

Task (check all that apply and fill out sections appropriate for each change).

Program/Concentration Change or New Program/Concentration Proposal: Complete Section I, III, & IV

Minor Change or New Minor Proposal: Complete Section I (delete sections III & IV)

Certificate Change or New Certificate Proposal: Complete Section I (delete sections III & IV)

¹ <http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/>

Course Change or New Course Proposal: Complete Section II (delete sections III & IV)

Program name. _____

Degree name(s). (If applicable.)

Section I: This section is for changes in programs, minors and certificates

List the major changes in each program of study, minor or certificate.

Impact on Students. (State "N/A" if proposal will not greatly affect students.)

Impact on University Resources. (State "N/A" if proposal will not require new resources, faculty or funds.)

Impact on other Academic Units. (State "N/A" if proposal will not affect other units.) (Include name of person in affected area discussed with)

Section II: This section is for changes in courses only

Subject. (Brief description of proposed change, addition or deletion.) New course: Dinosaurs!

Justification. (Briefly list main reasons for proposed change, addition or deletion.) Dr. Spaulding is an expert in paleontology and dinosaurs are a charismatic and popular extinct group to utilize as model organisms to teach nonmajors the basic principles of biology.

Use the **Current** and **Proposed** spaces below for course changes only. Otherwise, mark "N/A"

<p>Current: (Course changes: include entire present catalog information. Leave blank if new course)</p>	<p>Proposed: (Course changes: include entire new catalog information.) SCI-14200 - Dinosaurs! 3 credit hours (2 hour lecture and 2 hour lab) This course will use dinosaurs as the vehicle with which to provide an overview of several key concepts in biological science and geology. Prereqs: none</p>
<p>Is this course also: General Education</p>	<p>Currently Designated ExL (see instructions)</p>

Course Objectives / Learning Outcomes. (New courses only. List main outcomes. If lengthy, attach separate page.)

<p>This course will use dinosaurs as the vehicle with which to provide an overview of several key concepts in biological science and geology.</p> <p>1. Students will demonstrate an understanding of relationships between different dinosaurs groups, ecological adaptations of dinosaurs, their anatomy, how we reconstruct their locomotor capabilities, why most of this group are now extinct, and why birds are living dinosaurs!</p> <p>The course will consist of lectures with associated labs which will also teach students the scientific method.</p> <p>Impact on Students. (State "N/A" if proposal will not greatly affect students.) This course will provide an additional choice of a general education science course with a lab.</p> <p>Impact on University Resources. (State "N/A" if proposal will not require new resources, faculty or funds.) - lab supplies will have to be purchased, the vast majority will be reusable from year to year. (Rocks, anatomical models, etc)</p> <p>Impact on other Academic Units. (State "N/A" if proposal will not affect other units.) (Include name of person in affected area this was discussed with.) n/a</p>

(Boxes will expand and spill over onto next page to accommodate your typing.)

³ <http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/>

Dinosaurs (Sci 1XX00)

xxxx 201x

Lecture: XYX:30- X:45 AM YYYY XXX

Lab: X X:00 – Y:50

Instructor: Dr. Michelle Spaulding

Office: Schwarz 113

Office hours:

Phone: 219-785-5614

Email: mstpauldi@pnw.edu

Textbooks: TBD

Course Objectives:

This course will provide an overview of many aspects of biological science and geology, using dinosaurs as examples. The history of the planet earth and the evolutionary history of life on earth will be briefly discussed, till dinosaurs arrive on the scene. The Mesozoic Era will be discussed in details, and we will learn about relationships between different dinosaurs groups, ecology of dinosaurs, their anatomy, how we reconstruct their locomotor capabilities, and ultimately why most of them went extinct, and how birds are living dinosaurs! The course will consist of lectures with associated labs.

Students will be evaluated based on three lecture exams, two midterms and a final, as well as two laboratory exams and several written assignments. Students will have a presentation as well focusing on a species of dinosaur of their choice. All students are expected to read the provided material and participate in class activities. All lectures will be in the power-point format and posted to blackboard.

Exams:

There will be three lecture exams in the course, two midterms and one final. The exams will be a mix of multiple choice and short answer questions. The laboratory exams will be focused on demonstration of skills gained during lab and identification.

Exams missed due to unexcused absences will receive a score of zero. If a student misses an exam due to illness they must contact the instructor immediately and provide a doctor's note. The makeup exam must be taken within a week of the initial exam date.

Presentation and short papers:

Students will have one presentation and major written assignment. This assignment will focus on a single species of dinosaur, in any part of the evolutionary tree (so birds are acceptable, if a student really wishes). The student must present the history of study of the species, what is known of it anatomically, its evolutionary history and relationships, and geographical distribution. The in class presentation will occur in lab and is based on the written paper that will be turned in and handed back previously.

Late Assignments:

Late assignments will be accepted for up to one week after the original deadline, they will suffer a 20% grade penalty.

Grading:

Midterm exams (2 at 100 pts)	200 points
Lab assignments (10 at 20 points)	200 points
Paper and Presentation (100 pts)	100 points
Lab exams (2 at 50 pts)	100 points
Final Exam (150 pts)	150 points
Total	750 points

Grades will be determined using the standard Purdue scale with + or - additions.

UNETHICAL BEHAVIOR POLICY: Cheating, plagiarism, or additional unethical behavior as described by the Student Code of Conduct will result in a score of zero for that assignment, be it exam or written assignment. In addition such behavior will be reported to the department chair and/or the Dean of Students office, which could result in much harsher punishments such as removal from the course or University.

Notes:

All schedule changes will be communicated to students at least a week in advance. Please allow one business day for replies to student emails, if you do not receive a reply by then feel free to resend.