

# Utah Friends of Paleontology Level I Certification - Novice

NAME: \_\_\_\_\_

Participants should keep these outline sheets in their journals. Each person is responsible for keeping track of the number of hours spent in each training activity, and for getting the appropriate signatures when the requirements are completed.

Module 1. is designed for approximately two hours of classroom time. This module should be completed independently, in each chapter. Modules 2. and 3. may be waived if the participant has completed a college course in introductory geology. Module 7. may be waived if the participant has experience in each of the areas covered in the module

The minimum age to begin Level I Certification is 16. Those under 18 must be accompanied by an adult or guardian to all training activities.

Date	Start	Module	Time (Min)*	Volunteers	
				Primary	Alternate

### 1. Introduction to the UFOP Program

<b>Jan Mtg</b>	<b>TBD</b>	a. Overview of the certification program b. Ethical standards of SVP and UFOP c. State and Federal laws pertaining to paleontology	60	Chapter to provide instructor	
<b>Feb Mtg</b>	<b>TBD</b>	d. History of the UFOP Program e. Mission and goals of the UFOP Program f. Importance of field notes and journals	60	Chapter to provide instructor	

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### 2. Basic Geology I

<b>Friday 19-Feb</b>	<b>6:00 PM</b>	a. Geological time scale	50	Lizette Lampe	
	<b>7:00 PM</b>	b. Relative and absolute dating	50	Jim Lehane	
	<b>8:00 PM</b>	c. Plate tectonics d. Tectonic history of North America and Utah	50	Lizette Lampe	

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### 3. Basic Geology II

<b>Saturday 20-Feb</b>	<b>9:00 AM</b>	a. Minerals b. Rock Cycle	90	Jim Lehane	
	<b>10:40 AM</b>	c. Sediments and sedimentary rocks	90	Jim Lehane	
	<b>1:00 PM</b>	d. General stratigraphy of the Colorado Plateau	50	Jeff Eaton	

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Date	Start	Module	Time (Min)*	Volunteers	
				Primary	Alternate

### 4. Basic Paleontology I

<b>Friday 26-Feb</b>	6:00 PM	a. Evolutionary theory b. What is a fossil?	40	Ken Fleck	
	6:50 PM	c. History of life Paleozoic d. History of life Mesozoic e. History of life Cenozoic	60	Michelle Fleck	
	Authorized signature: _____ Location: _____				
<b>5. Basic Paleontology II</b>					
	8:00 PM	a. Paleontology in Utah b. Dinosaurs in Utah	50	Don Burge	John Bird

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<b>Saturday 27-Feb</b>	9:00 AM	c. Vertebrate morphology d. Comparative anatomy	90	Evan Hall		
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	<b>6. Biological Classification</b>					
	10:40 AM	a. Introduction to vertebrate systematics b. The evolving tree of life	50	Jerry Harris		
	11:40 AM	c. Cladistics d. Naming new animals	50	Jerry Harris		
	Authorized signature: _____ Location: _____					
	<b>7. Maps and Map Use</b>					
	1:30 PM	a. Reading topographic maps: contours, symbols b. Township & range, longitude & latitude, UTM systems	50	Ben Clement		
2:30 PM	c. Datum's: NAD 27, NAD 83, WGS 84 (Local map - Chapter)	30	Chapter to provide instructor			
3:10 PM	d. Aerial photography and satellite images e. Global positioning systems	50	Ben Clement			
4:10 PM	f. Geologic maps	30	Ben Clement			

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### 8. Written Exam - Theory Modules (open source, take home)

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**\*NOTE: All segments allow for 10 minute breaks between presentations. Saturday includes 1 hour for lunch.  
To keep costs down please arrange for your own lunch.**