

# **Cave and Karst Resource Management Course Schedule**

Department of Earth, Atmospheric and Environmental Sciences,  
Western Kentucky University

## Sunday, June 25<sup>th</sup>

7 pm: For those who have arrived, a welcome reception at Hamilton Valley.

1<sup>st</sup> Class Reading Assignment

## Monday, June 24<sup>th</sup>, Cave Laws

8:00 am: Introductions to each other and the class

8:30: Laws, Regulations and Values: Why and How We Decide What We are Managing in Caves and Karst

9:00: History of Cave Management Laws

9:30: State Cave Protection Laws

10:30: Federal Cave Resources Protection Act

11:00: Other Pertinent Federal Statutes

Evening Reading Assignment

Noon: Lunch

1 pm: Depart for Historic Mammoth Cave

Example topics from the 1st Field Trip: Cave barriers and gates, Houchins Narrows and the great collapse, cave history interpretation and education, Native American use, the Tuberculosis Huts, cave trails, cave lighting, cave graffiti, bats and their cave habitat, etc.

4:30: Conclude at Mammoth Cave

5:00: Dinner

7:00: Guest Speaker: Dr. Patricia Kambesis, Western Kentucky University and the Cave Research Foundation: Data Management for the Cave Manager

2<sup>nd</sup> Reading Assignment

## Tuesday, June 25<sup>th</sup>, Cave Resources 1

8:00 am: International Cave Protection Laws

9:00: Introduction to Cave and Karst Natural and Cultural Resources

9:30: Cave Geologic and Mineralogic features and their protection

10:30: Cave Sediments, Archaeologic and Paleontologic features and their protection

Noon: Lunch

1 pm: Depart for Hidden River Cave and the ACCA Cave Museum field trip

4:30 pm: Conclude at Hidden River

5:00 Dinner

7:00: Guest Speaker: Dr. Jim Kennedy, American Cave Conservation Association: The National Cave and Karst Management Symposium and its Historic Role in Promoting Cave and Karst Management

3<sup>rd</sup> Reading Assignment

## Wednesday, June 26<sup>th</sup>, Cave Resources 2

9:00 am: Karst Hydrology and its protection and management  
11:00: Cave biology, protecting the vertebrates and the invertebrates  
Noon: Lunch

2:00 pm: Cave biology continued  
3:00: Cave Recreation and its Management  
4:00: New Frontiers in Cave Resource Science and Technology  
5:00 Dinner

7:00: Guest Speaker: Ms. Leeanne Bledsoe, Western Kentucky University, Department of Earth, Atmospheric and Environmental Sciences: Dry Tracing, Defining your Karst Watersheds.

4<sup>th</sup> Reading Assignment

Thursday, June 27<sup>th</sup>, Special Topics

8:00 am: Cave Gates and their use  
9:00 am: Cave Diving in your Caves  
10:00: Cave Search and Rescue for the Cave Manager  
11:00: Managing Volunteers  
Noon: Lunch

1:00 pm: Depart for the Mammoth Cave karst field trip  
5:00 Dinner

7:00: Guest Speaker: Dr. Patricia Kambesis, Western Kentucky University and the Cave Research Foundation: Cave Survey and Cartography: Why it is Essential for Cave Management

5<sup>th</sup> Reading Assignment

Friday, June 28<sup>th</sup>, Show Cave Management

08:00 am: Special Challenges in Show Cave Management  
Construction  
On-going Operations  
10:00: Mitigating Show Cave Impacts  
11:00: Show Cave Operations  
Noon: Lunch

1:00 pm: Depart for Collins Crystal Cave field trip  
4:30: Depart Collins Crystal Cave  
5:00 Dinner

7:00: Guest Speaker: Dr. Rickard Toomey, Cave Management Specialist, Mammoth Cave National Park: White Nose Syndrome in Bats, a Retrospective.

Subject to change.

– Joel Despain