

July 2002

# Fulfilling Academic Deficiencies to Qualify for California Certified Rangeland Manager

## INTRODUCTION

The requirements to be eligible for licensing in California as a Certified Rangeland Manager include education and experience as follows: (*For complete description of requirements, see the separate document, Certification Requirements.*)

### Education

1. Completion of a course of study in a college or university leading to a bachelor's or higher degree.
2. A degree in range management or completion of coursework including the following topics: rangeland ecology, rangeland plant physiology, rangeland animal management, rangeland policy and planning, and rangeland measurements.
3. Other combinations of education and experience may, at the discretion of the Certification Committee, be accepted as equivalent to requirements 1 and 2, above.

### Experience

1. Five years (60 months full-time equivalent) of qualifying professional experience.
2. Qualifying experience begins after completion of minimum educational requirements.
3. All qualifying experience must be directly related to range and/or rangeland management and include demonstration of the application of rangeland management principles. Experience in a California rangeland type is required.
4. Qualifying experience is defined as those activities demonstrating professional competence in the science, art, and practice of managing and using for human benefit the natural resources that occur on and in association with rangeland and range, and more particularly classified as: rangeland vegetation management, rangeland animal management, rangeland ecology, rangeland policy and planning, rangeland measurements, and rangeland economics.
5. Education toward a higher degree may be substituted for up to 24 months of experience.

Rangeland courses are offered at California State University Chico, Humboldt State University, University of California Berkeley, and University of California Davis. The Certification Panel for California Certified Rangeland Managers recognizes that course offerings may be limited and it may be impractical for those already working in rangeland management to attend courses at one of these institutions. Therefore, the Certification Panel has identified a number of courses (on line and in-person short courses) that will help applicants meet academic deficiencies for certification. Since the educational requirements do not specify how many hours or credits must be completed in each subject area, an applicant's eligibility will depend on the entire depth and scope of his/her

educational training as well as associated experience. If an applicant is unsure whether a specific course will fulfill their academic deficiencies, then they should submit a letter of inquiry and an application to the Certification Panel for review and a response.

In addition to the course offerings below, an applicant may be able to fulfill academic deficiencies and accrue eligible experience through a program of mentoring from a Certified Rangeland Manager. Attending workshops and seminars where Continuing Education credit is offered to Certified Rangeland Managers may also fulfill partial deficiencies. If an applicant is unsure whether a specific mentoring program or Continuing Education workshop will fulfill their academic deficiencies, then they should submit a letter of inquiry and an application to the Certification Panel for review and a response.

## **RANGELAND ECOLOGY**

### **Annual Rangeland Management Short Course**

Sponsored by UC CA Rangelands Research and Information Center  
3 days, December 10-12, 2002 UC Davis  
Contact: Mel George, [mrgeorge@ucdavis.edu](mailto:mrgeorge@ucdavis.edu), (530) 752-1720

### **Rangeland Ecology I- Principles and Application**

Sponsored by USDA NRCS  
7 days (may not be held in California)  
Contact: Ceci Dale-Cesmat (530) 257-7272 ext 107

### **Rangeland Ecology II- Contemporary Issues**

Sponsored by USDA NRCS  
7 days (may not be held in California)  
Contact: Ceci Dale-Cesmat (530) 257-7272 ext 107

### **Principles of Range Management, RS 300**

Online Course with Colorado State University  
3 Credits  
Contact: <http://www.learn.colostate.edu>, (970) 491-5288

### **Advanced Rangeland Management, RS 500**

Online Course with Colorado State University  
3 Credits  
Contact: <http://www.learn.colostate.edu>, (970) 491-5288

### **Primary Production and Decomposition, RS 651**

Online Course with Colorado State University  
3 Credits  
Contact: <http://www.learn.colostate.edu>, (970) 491-5288

### **Rangeland Ecogeography, RS 531**

Online Course with Colorado State University  
3 Credits  
Contact: <http://www.learn.colostate.edu>, (970) 491-5288

**Desert Watershed Management, RNG 355**

Video/ Online Course with Oregon State University

3 Credits

Contact: <http://statewide.orst.edu/index.html>

**Rangeland Health Assessment**

Sponsored by BLM

2.5 days (offered twice a year; may not be offered in California)

Contact: Julie Decker (602) 906-5507, [Julie\\_decker@blm.gov](mailto:Julie_decker@blm.gov)

Kelly Sparks (602) 906-5519, [ksparks@tc.blm.gov](mailto:ksparks@tc.blm.gov)

**RANGELAND PLANT PHYSIOLOGY**

**Rangeland Ecology I- Principles and Application**

(approx. 25% of this course covers physiology and plant response to herbivory)

Sponsored by USDA NRCS

7 days (may not be held in California)

Contact: Ceci Dale-Cesmat (530) 257-7272 ext 107

**Rangeland Ecology II- Contemporary Issues**

(approx. 15% of this course covers physiology and plant response to herbivory)

Sponsored by USDA NRCS

7 days (may not be held in California)

Contact: Ceci Dale-Cesmat (530) 257-7272 ext 107

**Principles of Range Management, RS 300**

(approx. 20% of this course covers physiology and plant response to herbivory)

Online Course with Colorado State University

3 Credits

Contact: <http://www.learn.colostate.edu>, (970) 491-5288

**Advanced Rangeland Management, RS 500**

(approx. 20% of this course covers physiology and plant response to herbivory)

Online Course with Colorado State University

3 Credits

Contact: <http://www.learn.colostate.edu>, (970) 491-5288

**RANGELAND ANIMAL MANAGEMENT**

**Annual Rangeland Management Short Course**

Sponsored by UC CA Rangelands Research and Information Center

3 days, December 10-12, 2002 UC Davis

Contact: Mel George, [mrgeorge@ucdavis.edu](mailto:mrgeorge@ucdavis.edu), (530) 752-1720

**Plant-Herbivore Interaction**

Sponsored by USDA NRCS

8 days (may not be held in California)

Contact: Ceci Dale-Cesmat (530) 257-7272 ext 107

**Range Animal Production and Management, RS 552**

Online Course with Colorado State University

4 Credits

Contact: <http://www.learn.colostate.edu>, (970) 491-5288

**Range Animal-Habitat Interactions, RS 452**

Online Course with Colorado State University

2 Credits

Contact: <http://www.learn.colostate.edu>, (970) 491-5288

**California Grazing Academy / Low-Stress Livestock Handling**

Sponsored by UC Cooperative Extension

5 days, TBA April or May 2003

Contact: Roger Ingram, [rsingram@ucdavis.edu](mailto:rsingram@ucdavis.edu) , [www.foothill.net/~ringram](http://www.foothill.net/~ringram)

**Holistic Management® Training Program for Ranch & Rangeland Managers**

Sponsored by the Center for Holistic Resource Management

Four, 4-to-6-day training sessions spread out over 15 months

Contact: <http://www.holisticmanagement.org>

**RANGELAND POLICY AND PLANNING**

**Land Use Planning, NR 440**

Online Course with Colorado State University

3 Credits

Contact: <http://www.learn.colostate.edu>, (970) 491-5288

**Natural Resources Policy and Biodiversity, NR 515**

Online Course with Colorado State University

3 Credits

Contact: <http://www.learn.colostate.edu>, (970) 491-5288

**Holistic Management® Training Program for Ranch & Rangeland Managers**

Sponsored by the Center for Holistic Resource Management

Four, 4-to-6-day training sessions spread out over 15 months

Contact: <http://www.holisticmanagement.org>

**RANGELAND MEASUREMENT**

**Residual Dry Matter Standards and Sampling Methods**

Sponsored by UC Coop Extension & the Society of Rangeland Management

2 days, November 7 & 8, 2002

Contact: John Stechman, [jstechma@calpoly.edu](mailto:jstechma@calpoly.edu), (805) 595-7941

**Annual Rangeland Management Short Course**

Sponsored by UC CA Rangelands Research and Information Center

3 days, December 10-12, 2002 UC Davis

Contact: Mel George, [mrgeorge@ucdavis.edu](mailto:mrgeorge@ucdavis.edu)

**Rangeland Ecology I- Principles and Application**

(approx. 20% of this course covers rangeland measurements)

Sponsored by USDA NRCS

7 days (may not be held in California)

Contact: Ceci Dale-Cesmat (530) 257-7272 ext 107

**Rangeland Ecology II- Contemporary Issues**

(>50% of this course covers rangeland measurements)

Sponsored by USDA NRCS

7 days (may not be held in California)

Contact: Ceci Dale-Cesmat (530) 257-7272 ext 107