

## SYLLABUS

**METR 6902**

**FALL 2013**

### **Professional Perspectives in Meteorology**

**Time and Place:** T-R 2:30-3:45 pm, Rm 5930 NWC

**Instructors:** Dr. Fred Carr & other faculty and guest speakers  
Phone: 325-2990 E-Mail: fcarr@ou.edu  
Office Hours: M/W/F 8:00-10:00 AM; Room 5220 NWC  
(Please contact me first to confirm appointment).

**Texts:** Fiske, P., "Put Your Science to Work: The Take Charge Career Guide for Scientists", ISBN 1-87590-295-2.  
Schultz, D.M., 2009; "Eloquent Science"; ISBN 978-1-878220-91-2.  
Other reading assignments will be provided.

**Format:** This is a 2 credit hour course with S/U grading based on attendance and participation only. The course is broadly defined as helping to prepare you for those aspects of your professional careers that are not typically presented in the classroom. It is intended to help you survive and prosper when your student days are over. Although there will be a traditional lectures, considerable class time will be spent in group discussion. Several other regular and adjunct faculty will also be leading discussions.

#### **Tentative topics include:**

1. Professional ethics; Responsible Conduct of Research
2. Career planning; tips for success
3. Publishing: process; strategies; publish or perish; good scientific writing
4. Conferences: how to give good presentations; networking
5. Research funding: how to write a good proposal; finding funding sources
6. Nature of the profession: Academic, public, private; national vs. international.
7. Meteorological institutions: UCAR/NCAR, AMS, NOAA, NSF, WMO, etc.
8. Employment opportunities; interviews; negotiations
9. Interaction with the news media, politicians and lawyers
10. The scientist and society; public policy advocacy
11. Leadership: What is good leadership, and how do you acquire it.
12. Success in academia: how to get tenure, be an effective teacher, etc.
13. Baloney detection; E.g. – How to separate fact and fiction in the global warming debate
14. Current issues in science and education
15. Others?

**Exams, Projects and Grades:** No exams will be given. We expect you to read the handouts and to participate actively in the discussions. If you would like to write a practice research proposal, we will review it for you. The grades will be S/U.

***Any student in this course who has a disability that may prevent him or her from fully demonstrating his or her abilities should contact me personally as soon as possible so we can discuss accommodations necessary to ensure full participation and facilitate your educational opportunities.***

***All students are expected to be familiar with and abide by the OU Academic Misconduct Code. Information on this code is at <http://studentconduct.ou.edu> and <http://www.ou.edu/provost/integrity>***