

## **Knowledge Expectations for METR 1111 Orientation to Professional Meteorology**

**Purpose:** This document describes the typical content for METR 1111. Because no core meteorological knowledge is presented in this course, individual instructors have considerable flexibility in their design of the curriculum.

**Co-requisite:** MATH 1523 or higher.

**Goal of the Course:** This course, which is required of all meteorology majors during their first year of residence, introduces students to the profession of meteorology. This is usually accomplished by inviting speakers from many branches of meteorology – faculty, researchers, government, private sector, TV, and various Weather Center leaders – to address the class and to foster discussion regarding opportunities, challenges and careers in meteorology. Additional goals are to inform the students about the School of Meteorology, the curriculum, and the quantitative nature of the discipline.

### **Topical Knowledge Expectations**

#### **I. Introduction to the School of Meteorology**

During the first class, learn who the SoM Director, Asst. Director, Computing Coordinator, other office staff, and OUSCAMS, OWL, SAC leaders are, know how to obtain an account on the main departmental computers, hear a presentation on the School and receive copious material about the School, the curriculum, and OU. Know what it takes to be a successful meteorology major.

#### **II. Weekly Speakers**

Listen to and comprehend the major points of each speakers talk. Learn from them what the speaker or his/her organization does, what career opportunities exist in his/her area, and what you need to do to prepare for such careers. Be prepared to answer questions on these talks and on the weekly reading assignments.

NOTE: The speakers are selected from SoM faculty, Oklahoma Weather Center Directors, local private sector company leaders, military leaders, TV meteorologists, other OWC people and, if possible, visitors to OU (especially from exchange universities).

#### **III. Group Advising Session (mid-semester)**

Obtain a complete and thorough understanding of the SoM curriculum, including the general education requirements, the core curriculum, course prerequisites, and the minors and areas of concentration. Know what it takes to complete a B.S. degree in Meteorology.