

SUFFOLK COUNTY COMMUNITY COLLEGE

ABBREVIATED COLLEGE COURSE SYLLABUS FORM

A course syllabus is not the same as a course outline. A course syllabus outlines the general requirements for a course. A course outline is the specific document created by the individual faculty member to distribute to a specific course section. This is an "abbreviated" course syllabus because it is only collecting information on the course number, title, description, and learning outcomes. Please submit this completed form electronically to Dean Britton.

PLEASE NOTE: Any changes made to the Course Number, Title, or Catalog Description must go through the regular faculty governance process. This Expedited Process of Approval, which expires in March 2012, only pertains to approval of the Learning Outcomes. Therefore, this is NOT the form to be used to change course numbers, titles, or descriptions. This is NOT the form to use for proposing a new course. (See the Governance website for those types of proposals.)

I. Course Number and Title:

MET101 – Introduction to Weather

II. Catalog Description:

Introduction to elements and energies that are basic processes described as weather. Basic principles such as temperature, pressure, density, humidity and air movement are studied to provide basis for understanding long- and short-range forecasting, including severe weather phenomena such as hurricanes, tornadoes and storms. (3 hrs. lecture, 2 hrs. laboratory.) Offered on: A-E-G / 4 cr. hrs.
4.000 Credit Hours
3.000 Lecture hours
2.000 Lab hours

III. *Learning Outcomes: *(Main concepts, principles, and skills you want students to learn from this course) The Learning Outcomes listed here should be considered the minimum core outcomes for the course. Many other learning outcomes may also be a part of the learning experience within the course.*

Upon completion of this course, students will be able to:

- Navigate the Internet World-Wide Web (WWW) for research purposes and laboratory assignments.
- Find locations using latitude and longitude coordinates.
- Determine and analyze atmospheric temperature, pressure, density, and wind.
- Describe various cloud and fog types and their formation and the associated precipitation types.
- Analyze data on a weather map, including location of air masses and weather fronts.
- Describe the dynamics of thunderstorms, tornadoes, and hurricanes, and demonstrate the ability to forecast these phenomena.
- Given real-time data, provide a three-day forecast for any city in the United States.

*These statements must appear verbatim in course outlines. However, additional outcomes may be added to individual course outlines at the instructor's discretion.

Name of Discipline Lead: _____

Discipline Vote:

For _____ Against _____ Abstention _____

Date of Vote: _____

_(Initial and Date) _____ Certification of Vote by AVP of Academic Affairs

_(Initial and Date) _____ Certification of Vote by College Curriculum Chair

*These statements must appear verbatim in course outlines. However, additional outcomes may be added to individual course outlines at the instructor's discretion.

Revised 1/10