A MEMORANDUM

DATE: January 6, 2026

TO: Academic Deans Council

FROM: Dr. Andy Perkins
UCCC Chair

RE: Change Notice 4

Listed below are curriculum change proposals which have been recommended by the University Committee Courses and Curricula. Under current procedure, members of the Academic Deans Council may question the approval of these proposals at any time prior to 5:00 p.m. on January 20, 2026 by contacting Dr. Andy Perkins (5-0004) or the office of the Vice President for Academic Affairs (5-3742). If no questions have been raised, the proposals will be considered approved automatically.

1. Course Proposals by college/school

ARTS AND SCIENCES

Technical Change ATM 1131	**Approved**	**FROM: GR 1131 Weather and Climate Laboratory** Two hours laboratory. Laboratory for GR 1133 but may be scheduled without GR 1133. Includes the study of atmospheric composition and structure, atmospheric motion and forces, atmospheric moisture, organized weather systems, weather forecasting, and global climates. **TO: ATM 1131 Weather and Climate Laboratory** Two hours laboratory. Laboratory for ATM 1133 but may be scheduled without ATM 1133. Includes the study of atmospheric composition and structure, atmospheric motion and forces, atmospheric moisture, organized weather systems, weather forecasting, and global climates. Effective: Fall 2026
Technical Change ATM 1133	**Approved**	**FROM: GR 1133 Weather and Climate** **TO: ATM 1133 Weather and Climate** Effective: Fall 2026
Technical Change ATM 1703	**Approved**	**FROM: GR 1703 Introduction to Climate and Climate Change** **TO: ATM 1703 Introduction to Climate and Climate Change** Effective: Fall 2026
Technical Change ATM 3011	**Approved**	**FROM: GR 3011 Weather Analysis** (Prerequisite: GR1604).Two hours laboratory. Introduction to advanced meteorological analysis concepts including upper air map analysis, sounding analysis, numerical weather prediction, and basic synoptic meteorology analysis concepts. **TO: ATM 3011 Weather Analysis** (Prerequisite: ATM 1133/1131). Two hours laboratory. Introduction to advanced meteorological analysis concepts including upper air map analysis, sounding analysis, numerical weather prediction, and basic synoptic meteorology analysis concepts. Effective: Fall 2026
Technical Change ATM 3123	**Approved**	**FROM: GR 3123 Introduction to Meteorological Data Analysis & Visualization** **TO: ATM 3123 Introduction to Meteorological Data Analysis & Visualization** Effective: Fall 2026
Technical Change ATM 3503	**Approved**	**FROM: GR 3503 Lecture in Broadcast Meteorology** **TO: ATM 3503 Lecture in Broadcast Meteorology** Effective: Fall 2026
Technical Change ATM 4423/ 6423	**Approved**	**FROM: GR 4423/6423 Weather Forecasting I** (Prerequisites: GR 3011 and GR 4733/6733). Two hours lecture. Two hours laboratory. Introduction to the

		process of creating and disseminating weather forecasts. Use of current weather data in creating daily forecasts for the local area. **TO: ATM 4423/6623 Weather Forecasting I** (Prerequisites: ATM 3011 and ATM 4733/6733). Two hours lecture. Two hours laboratory. Introduction to the process of creating and disseminating weather forecasts. Use of current weather data in creating daily forecasts for the local area. Effective: Fall 2026
Technical Change ATM 4433/ 6433	**Approved**	**FROM: GR 4433/6433 Weather Forecasting II** (Prerequisite: GR 4423/6423). Two hours lecture. Two hours laboratory. Continuation of Weather Forecasting I. Emphasis placed on disseminating both oral and written forecasts for the local area as well as forecasting unique regional weather. **TO: ATM 4433/6433 Weather Forecasting II** (Prerequisite: ATM 4423/6423). Two hours lecture. Two hours laboratory. Continuation of Weather Forecasting I. Emphasis placed on disseminating both oral and written forecasts for the local area as well as forecasting unique regional weather. Effective: Fall 2026
Technical Change ATM 4443/ 6443	**Approved**	**FROM: GR 4443/6443 Weather Prediction I** (Prerequisite: GR 4713). Three hours lecture. Weather analysis and forecasting. Emphasis on local, short-term forecasting techniques, including temperature forecasting, precipitation forecasting, and convective forecasting. **TO: ATM 4443/6443 Weather Prediction I** (Prerequisite: ATM 4713). Three hours lecture. Weather analysis and forecasting. Emphasis on local, short-term forecasting techniques, including temperature forecasting, precipitation forecasting, and convective forecasting. Effective: Fall 2026
Technical Change ATM 4453	**Approved**	**FROM: GR 4453 Weather Prediction II** (Prerequisite: GR 4443 or consent of instructor). Three hours video and online. Continuation of GR 4443. Case studies of weather forecasts. Emphasis on special weather events and places. **TO: ATM 4453 Weather Prediction II** (Prerequisite: ATM 4443 or consent of instructor). Three hours video and online. Continuation of ATM 4443. Case studies of weather forecasts. Emphasis on special weather events and places. Effective: Fall 2026
Technical Change ATM 4473/ 6473	**Approved**	**FROM: GR 4473/6473 Numerical Weather Prediction** **TO: ATM 4473/6473 Numerical Weather Prediction** Effective: Fall 2026

Technical Change ATM 4502/ 6502	**Approved**	**FROM: GR 4502/6502 Practicum in Broadcast Meteorology I** (Prerequisite: GR1603).One hour lecture. Two hours laboratory. Introduction to developing a weather story with emphasis on producing weather graphics for television, chroma key mechanics, and weathercast communication. **TO: ATM 4502/6502 Practicum in Broadcast Meteorology I** (Prerequisite: ATM 1133). One hour lecture. Two hours laboratory. Introduction to developing a weather story with emphasis on producing weather graphics for television, chroma key mechanics, and weathercast communication. 30 Char: Prac in Broadcast Met I Effective: Fall 2026
Technical Change ATM 4512/ 6512	**Approved**	**FROM: GR 4512/6512 Practicum in Broadcast Meteorology II** (Prerequisite:GR 4502/6502). One hour lecture. Two hours laboratory. Continuation of Practicum in Broadcast Meteorology I with emphasis on weather graphics production, weathercast performance, image, and communication. Supported by lab practice. **TO: ATM 4512/6512 Practicum in Broadcast Meteorology II** (Prerequisite: ATM 4502/6502). One hour lecture. Two hours laboratory. Continuation of Practicum in Broadcast Meteorology I with emphasis on weather graphics production, weathercast performance, image, and communication. Supported by lab practice. 30 Char: Prac in Broadcast Met II Effective: Fall 2026
Technical Change ATM 4553/ 6553	**Approved**	**FROM: GR 4553/6553 Computer Methods in Meteorology** (Prerequisite: GR1603).Two hours lecture, two hours lab. Overview of computational methods and techniques commonly used in operational meteorology, focusing on scientific visualization and analysis, and numerical weather prediction. **TO: ATM 4553/6553 Computer Methods in Meteorology** (Prerequisite: ATM 1133). Two hours lecture, two hours lab. Overview of computational methods and techniques commonly used in operational meteorology, focusing on scientific visualization and analysis, and numerical weather prediction. Effective: Fall 2026
Technical Change ATM 4563/ 6563	**Approved**	**FROM: GR 4563/6563 Aviation Meteorology** (Prerequisite: GR1604).Three hours lecture. Overview of meteorological concepts important to the aviation community, including how relevant weather data are collected and disseminated and how atmospheric properties relate to the basic physics of flight and aircraft performance.

		TO: ATM 4563/6563 Aviation Meteorology (Prerequisite: ATM 1133/1131). Three hours lecture. Overview of meteorological concepts important to the aviation community, including how relevant weather data are collected and disseminated and how atmospheric properties relate to the basic physics of flight and aircraft performance. Effective: Fall 2026
Technical Change ATM 4603/ 6603	**Approved**	**FROM: GR 4603/6603 Climatology** (Prerequisite: GR 1114 or GR 1123). Three hours lecture. Study of the elements and controls of weather and climate, distribution and characteristics of climatic regions. **TO: ATM 4603/6603 Climatology** (Prerequisite: GR 1113 or GR 1123). Three hours lecture. Study of the elements and controls of weather and climate, distribution and characteristics of climatic regions. Effective: Fall 2026
Technical Change ATM 4613/ 6613	**Approved**	**FROM: GR 4613/6613 Applied Climatology** (Prerequisites: GR 1603) Two hours lecture. Two hours laboratory. Problem solving in today's world in topics such as bioclimatology, agricultural climatology and land use climatology. **TO: ATM 4613/6613 Applied Climatology** (Prerequisites: ATM 1133 and ATM 1131) Two hours lecture. Two hours laboratory. Problem solving in today's world in topics such as bioclimatology, agricultural climatology and land use climatology. Effective: Fall 2026
Technical Change ATM 4623/ 6623	**Approved**	**FROM: GR 4623/6623 Physical Meteorology** (Prerequisite:GR1603).An investigation of cloud physics/precipitation processes and solar/terrestrial radiation, including atmospheric dynamics, atmospheric electricity, optics, and instrumentation. **TO: ATM 4623/6623 Physical Meteorology** (Prerequisite: ATM 1133 and ATM 1131). An investigation of cloud physics/precipitation processes and solar/terrestrial radiation, including atmospheric dynamics, atmospheric electricity, optics, and instrumentation. Effective: Fall 2026
Technical Change ATM 4633/ 6633	**Approved**	**FROM: GR 4633/6633 Statistical Climatology** (Prerequisites: GR 1603 or GG 1113 and MA 1313 or MA 1713). Two hours lecture. Two hours laboratory. A survey of the types of statistical weather data available. Manipulation of the data on various temporal and spatial scales. **TO: ATM 4633/6633 Statistical Climatology** (Prerequisites: ATM 1133 or GG 1113 and MA 1313 or higher). Two hours lecture. Two hours laboratory. A survey of the types of statistical weather data available.

		Manipulation of the data on various temporal and spatial scales. Effective: Fall 2026
Technical Change ATM 4640/ 6640	**Approved**	**FROM: GR 4640/6640 Meteorological Internship** **TO: GR 4640/6640 Meteorological Internship** Effective: Fall 2026
Technical Change ATM 4643/ 6643	**Approved**	**FROM: GR 4643/6643 Physical Meteorology and Climatology I** (Prerequisite: GR 1604 and MA 1323). Three hours lecture. An investigation of the physical aspects of Earth's climate, including interactions between the atmosphere, hydrosphere, and land surface, and how they are affected by climate variability and change. **TO: ATM 4643/6643 Physical Meteorology and Climatology I** (Prerequisite: ATM 1133 and ATM 1131 and MA 1323). Three hours lecture. An investigation of the physical aspects of Earth's climate, including interactions between the atmosphere, hydrosphere, and land surface, and how they are affected by climate variability and change. 30 Char: Phys Met and Climo I Effective: Fall 2026
Technical Change ATM 4693/ 6693	**Approved**	**FROM: GR 4693/6693 Physical Meteorology and Climatology II** (Prerequisite: MA 1713 and GR 4643). Three hours lecture. An investigation into important physical meteorology concepts, including introductory atmospheric thermodynamics, the planetary boundary layer, and cloud and moisture physics with an emphasis on meteorological theory and applications. **TO: ATM 4693/6693 Physical Meteorology and Climatology II** (Prerequisite: MA 1713 and ATM 4643). Three hours lecture. An investigation into important physical meteorology concepts, including introductory atmospheric thermodynamics, the planetary boundary layer, and cloud and moisture physics with an emphasis on meteorological theory and applications. 30 Char: Phys Met and Climo II Effective: Fall 2026
Technical Change ATM 4713/ 6713	**Approved**	**FROM: GR 4713/6713 Synoptic Meteorology I** (Prerequisites: GR 1603 or equivalent.) Two hours lecture. Two hours laboratory. Fundamental principles behind weather forecasting. Physical processes in the atmosphere, atmospheric circulation systems, air mass analysis, frontogenesis and frontolysis. **TO: ATM 4713/6713 Introduction to Synoptic Meteorology** (Prerequisites: ATM 1133 or equivalent.) Two hours lecture. Two hours laboratory. Fundamental principles behind weather forecasting. Physical processes in the atmosphere, atmospheric circulation

		systems, air mass analysis, frontogenesis and frontolysis. 30 Char: Intro Synoptic Met Effective: Fall 2026
Technical Change ATM 4733/ 6733	**Approved**	**FROM: GR 4733/6733 Synoptic Meteorology** (Prerequisite:GR 1603 and MA 1713) Three hour lecture. Principles and derivation of meteorological theory. Emphasis on energy exchanges, atmospheric moisture, physical processes of atmospheric motion, air masses and fronts, and cyclogenesis. **TO: ATM 4733/6733 Synoptic Meteorology** (Prerequisite: ATM 1133 and ATM 1131 and MA 1713) Three hour lecture. Principles and derivation of meteorological theory. Emphasis on energy exchanges, atmospheric moisture, physical processes of atmospheric motion, air masses and fronts, and cyclogenesis. Effective: Fall 2026
Technical Change ATM 4753/ 6753	**Approved**	**FROM: GR 4753/6753 Satellite and Radar Meteorology** (Prerequisite: GR 1603.) Three hours lecture. Study of the history, the operations, and the applications of satellites and radar in weather analysis. Theory of meteorological measurements in determinations of atmospheric structure. **TO: ATM 4753/6753 Satellite and Radar Meteorology** (Prerequisite: ATM 1133) Three hours lecture. Study of the history, the operations, and the applications of satellites and radar in weather analysis. Theory of meteorological measurements in determinations of atmospheric structure. Effective: Fall 2026
Technical Change ATM 4783/ 6783	**Approved**	**FROM: GR 4783/6783 Satellite Meteorology** (Prerequisites: GR 4733, GR 4643). Two hours lecture, two hours laboratory. Overview of remote sensing methods and techniques commonly used in satellite meteorology, focusing on physical mechanisms, atmospheric image analysis, and real-time weather applications. **TO: ATM 4783/6783 Satellite Meteorology** (Prerequisites: ATM 4733, ATM 4643). Two hours lecture, two hours laboratory. Overview of remote sensing methods and techniques commonly used in satellite meteorology, focusing on physical mechanisms, atmospheric image analysis, and real-time weather applications. Effective: Fall 2026
Technical Change ATM 4823/6823	**Approved**	**FROM: GR 4823/6823 Dynamic Meteorology I** (Prerequisite: GR 4733/6733 and MA 1723). Three hours lecture. In-depth examination of theoretical methods for determining atmospheric stability and the

		tools necessary to interrogate the vertical profile of the atmosphere. **TO: ATM 4823/6823 Atmospheric Thermodynamics** (Prerequisite: ATM 4733 and MA 1723). Three hours lecture. In-depth examination of theoretical methods for determining atmospheric stability and the tools necessary to interrogate the vertical profile of the atmosphere. 30 Char: Atmos Thermodynamics Effective: Fall 2026
Technical Change ATM 4843/ 6843	**Approved**	**FROM: GR 4843/6843 Field Methods of Severe Local Storms** **TO: ATM 4843/6843 Field Methods of Severe Local Storms** Effective: Fall 2026
Technical Change ATM 4883/ 6883	**Approved**	**FROM: GR 4883/6883 Radar Meteorology** (Prerequisite: GR 4733.) Two hours lecture. Two hours lab. Study of the history, the operation, and the application of radar in weather analysis. Theory and application of radar measurements in the determination of meteorological threats. **TO: ATM 4883/6883 Radar Meteorology** (Prerequisite: ATM 4733.) Two hours lecture. Two hours lab. Study of the history, the operation, and the application of radar in weather analysis. Theory and application of radar measurements in the determination of meteorological threats. Effective: Fall 2026
Technical Change ATM 4913/ 6913	**Approved**	**FROM: GR 4913/6913 Thermodynamic Meteorology** (Prerequisite: GR 4733/6733 or GR4713/6713).Three hours lecture. Examination of the meteorological stability within the earth's atmosphere. Focus on analysis of the various stability indices related to predicting severe weather. **TO: ATM 4913/6913 Thermodynamic Meteorology** (Prerequisite: ATM 4733 or ATM 4713). Three hours lecture. Examination of the meteorological stability within the earth's atmosphere. Focus on analysis of the various stability indices related to predicting severe weather.
Technical Change ATM 4923/ 6923	**Approved**	**FROM: GR 4923/6923 Severe Weather** (Prerequisites: GR 4913/6913). Three hours lecture. Descriptive study of severe and unusual weather across the earth. Explanation of variations in severe weather in both spatial and temporal scales. **TO: ATM 4923/6923 Severe Weather** (Prerequisites: ATM 4913/6913). Three hours lecture. Descriptive study of severe and unusual weather across the earth. Explanation of variations in severe weather in both spatial and temporal scales. Effective: Fall 2026

Technical Change ATM 4933/ 6933	**Approved**	**FROM: GR 4933/6933 Dynamic Meteorology II** Three hours lecture. (Prerequisite GR 4823/6823 and MA 2743) 2733) Quantitative analysis and consideration of atmospheric circulation including jet streams, mid-latitude cyclones, vorticity and atmospheric kinetics. **TO: ATM 4933/6933 Atmospheric Dynamics** (Prerequisite ATM 4823/6823 and MA 2743) 2733) Three hours lecture. Quantitative analysis and consideration of atmospheric circulation including jet streams, mid-latitude cyclones, vorticity and atmospheric kinetics. 30 Char: Atmospheric Dynamics Effective: Fall 2026
Technical Change ATM 4943/ 6943	**Approved**	**FROM: GR 4943/6943 Tropical Meteorology** (Prerequisite: GR 4733). Three hours lecture. Topics include the dynamics and circulation of the tropical atmosphere, characteristics of tropical cyclones, and forecasting methodologies for tropical weather. **TO: ATM 4943/6943 Tropical Meteorology** (Prerequisite: ATM 4733). Three hours lecture. Topics include the dynamics and circulation of the tropical atmosphere, characteristics of tropical cyclones, and forecasting methodologies for tropical weather. Effective: Fall 2026
Technical Change ATM 4963/ 6963	**Approved**	**FROM: GR 4963/6963 Mesoscale Meteorology** (Prerequisite: GR 4733 or GR 4713). Three hours lecture. Descriptive and physical understanding of Mesoscale processes and their relevance to the synoptic environment. A strong focus will be placed upon Severe Local Storms. **TO: ATM 4963/6963 Mesoscale Meteorology** (Prerequisite: ATM 4733 or ATM 4713). Three hours lecture. Descriptive and physical understanding of Mesoscale processes and their relevance to the synoptic environment. A strong focus will be placed upon Severe Local Storms. Effective: Fall 2026
Technical Change ATM 8143	**Approved**	**FROM: GR 8143 Advanced Forecasting Techniques** **TO: ATM 8143 Advanced Forecasting Techniques** Effective: Fall 2026
Technical Change ATM 8453	**Approved**	**FROM: GR 8453 Quantitative Analysis in Climatology** **TO: ATM 8453 Quantitative Analysis in Climatology** Effective: Fall 2026
Technical Change ATM 8573	**Approved**	**FROM: GR 8573 Research in Applied Meteorology** **TO: ATM 8573 Research in Applied Meteorology** Effective: Fall 2026
Technical Change ATM 8613	**Approved**	**FROM: GR 8613 Hydrometeorology** **TO: ATM 8613 Hydrometeorology**

			Effective: Fall 2026
Technical Change	ATM 8633	**Approved**	**FROM: GR 8633 Climate Change** **TO: ATM 8633 Climate Change** Effective: Fall 2026
Technical Change	ATM 8833	**Approved**	**FROM: GR 8833 Weather and Society** **TO: ATM 8833 Weather and Society** Effective: Fall 2026
Technical Change	ATM 8843	**Approved**	**FROM: GR 8843 Advanced Mesoscale Meteorology** **TO: ATM 8843 Advanced Mesoscale Meteorology** Effective: Fall 2026

All of the proposals were approved with the exception of the following:

Proposals**

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Dr. Peter L. Ryan Date
Executive Vice Provost for Academic Affairs

			Effective: Fall 2026
Technical Change	ATM 8633	**Approved**	**FROM: GR 8633 Climate Change** **TO: ATM 8633 Climate Change** Effective: Fall 2026
Technical Change	ATM 8833	**Approved**	**FROM: GR 8833 Weather and Society** **TO: ATM 8833 Weather and Society** Effective: Fall 2026
Technical Change	ATM 8843	**Approved**	**FROM: GR 8843 Advanced Mesoscale Meteorology** **TO: ATM 8843 Advanced Mesoscale Meteorology** Effective: Fall 2026

All of the proposals were approved with the exception of the following:

Proposals**

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Peter Liam Ryan

Dr. Peter L. Ryan
Executive Vice Provost for Academic Affairs

January 20th, 2026
Date