

Cover Sheet: Request 14525

Meteorology and Climatology certificate modification

Info

Process	Certificate Close/Modify Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Corene Matyas matyas@ufl.edu
Created	12/9/2019 3:36:39 PM
Updated	5/1/2020 2:48:19 PM
Description of request	<p>Three new applied courses to be added to the certificate that precisely fit the program description. Re-format the listing of intermediate courses so that students must take one of the 2 courses that serve as pre-requisites into the advanced courses. Then place the other courses into a list that students can chose from for their 4th course, which includes all other courses save for MET1010 and GEO2242. They should not get credit for taking both of these. The proper sequence of core courses is 1 intro (of 2), 1 intermediate (of 2), 1 advanced (of 3), and 1 from either the 3000 or 4000 level core OR any of the other more applied courses from the original list as well as the three new courses. I apologize for the clunky description - please let me know if I can help clarify.</p> <p>I have added a track changes catalog description as requested - there are 2 versions in it as I'm not sure which is the preferred way to list. The reason for this change is so that the intermediate level choices are restricted to those that serve as pre-reqs into the advanced level courses. Once they've taken the 1 intermediate and 1 advanced, they are then free to take any of the remaining courses in the list that they haven't already taken, including the other choices for intermediate and advanced, plus two new additions.</p>

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CLAS - Geography 011609000	Jane Southworth		12/9/2019
No document changes					
College	Recycled	CLAS - College of Liberal Arts and Sciences	Joseph Spillane	The College Curriculum Committee recycles this request. The committee could not understand the proposed changes. Please attach catalog copy with "track changes" shown.	1/24/2020
No document changes					
Department	Approved	CLAS - Geography 011609000	Jane Southworth		1/28/2020
No document changes					
College	Conditionall Approved	CLAS - College of Liberal Arts and Sciences	Joseph Spillane	The College Curriculum Committee conditionally approves this request, but notes that the "track changes" must still be shown on the catalog copy. While the plan is much easier to understand, it will not be accepted by the UCC without track changes shown. Please resubmit with this change.	4/17/2020
No document changes					
Department	Approved	CLAS - Geography 011609000	Jane Southworth		4/17/2020

Step	Status	Group	User	Comment	Updated
No document changes					
College	Approved	CLAS - College of Liberal Arts and Sciences	Joseph Spillane		4/17/2020
No document changes					
Associate Provost for Undergraduate Affairs	Approved	PV - Associate Provost for Undergraduate Affairs	Casey Griffith		4/28/2020
No document changes					
University Curriculum Committee	Approved	PV - University Curriculum Committee (UCC)	Tobin Shorey		5/1/2020
No document changes					
Office of the Registrar	Recycled	REG - Office of the Registrar (OUR)	Casey Griffith	Mistakenly approved, sent back to UCC.	5/1/2020
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			5/1/2020
No document changes					
Office of the Registrar					
No document changes					
OIPR Notified					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
Academic Assessment Committee Notified					
No document changes					
College Notified					
No document changes					

Certificate|Close-Modify for request 14525

Info

Request: Meteorology and Climatology certificate modification

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Submitter: Corene Matyas matyas@ufl.edu

Created: 12/9/2019 2:06:31 PM

Form version: 1

Responses

Current Certificate Name Meteorology and Climatology

Effective Term Earliest Available

Effective Year Earliest Available

Requested Action Other (selecting this option will open additional form fields below)

Change Certificate Name? No

Change Certificate Name on Transcript? No

Current Transcript Name Meteorology and Climatology

Change Credit Hours? No

Change Certificate Description? No

Change Certificate Prerequisites? No

Change Certificate Requirements? Yes

Current Requirements Required Courses

Introductory Course

GEO 2242 Extreme Weather 3

or MET 1010 Introduction to Weather and Climate

Intermediate Courses

Select one or two: 3-7

GEO 3250

Climatology

GEO 3280

Principles of Geographic Hydrology

GEO 3341
Extreme Floods

GLY 3074
Oceans and Global Climate Change

MET 3503
Weather and Forecasting

Advanced Courses
Select one or two: 3-6

MET 4532
Hurricanes

MET 4560
Atmospheric Teleconnections

MET 4750
Spatial Analysis of Atmospheric Data using GIS

Proposed Requirements add 3 new courses to the list, 2 have numbers and one is still awaiting its number - pending at OUR. Marked with ** in the list below and titles included.

Intro courses stay the same.
Intermediate: Select GEO3250 or MET3503
Advanced courses stay the same.

Then provide a list of courses they can take as their 4th course, which can include options in the 4000 level that they didn't take, or the other of the GEO3520 or MET3503 that they didn't take. I'm not sure how you'd want to phrase that.

**GEO2006 Natural Hazards Geography
GEO3250
GEO3280
GEO3341
**GEO3XXX Managing for a Changing Climate
**GIS4324 GIS Analysis of Hazard Vulnerability
GLY3074
MET3503
MET4532
MET4560
MET4750

Impact on Program Provides more applied courses that students can take and reduces confusion about which courses lead into the 4000-level core courses. Plus, two of the new courses will be offered online, giving students more options in that regard. All three of the new courses are developed by recent Geography hires and fit the certificate description perfectly as they cover climate change and natural hazards. https://catalog.ufl.edu/UGRD/colleges-schools/UGLAS/LAS_UCT10/ "The meteorology and climatology certificate provides a working knowledge of atmospheric processes across spatial and temporal scales. This certificate is applicable to many disciplines in the physical sciences and enables students to supplement their majors with an understanding and awareness of the societal impacts of natural hazards and climate change."

Rationale for Proposed Change(s) Technically, the requirements are not changing; they are being re-written for clarity and 3 new courses added. Students do not read the pre-requisites for the 4000 level courses to realize that they must have taken either GEO3250 or MET3503. They take 2 other 3000-level courses and then ask for pre-requisite waivers to get into the 4000 level, but they are unprepared for these courses. With the proposed re-writing of the course menu, they will be required to take one of the pre-requisite courses. However they could take both if they like. The idea is that they get core courses in meteorology/climatology at the intro, intermediate, and advanced levels. Then for the 4th course, they could take another core course, or take a more applied course, regardless of level. The only exception is that if they took MET1010, they shouldn't take GEO2242 or vice versa. Adding the 3 new courses provides more applied options that directly tie into the program description. Currently, students can take GEO2242, GEO3250, and MET4560 online. Adding GEO2006 and

GEO3xxx will provide 2 options for their applied course and allow online students to complete the certificate.

Assessment Data Review The program isn't fundamentally changing - the SLOs remain the same. By adding the new courses, more students (including those who take courses online) may enroll in the program.

Academic Assessment Plan Changes no changes will be made to assessments - the core courses that are currently assessed will continue to be the core courses and continue to be assessed

Required Courses

Code	Course List Title	Credits
Introductory Course		
GEO 2242	Extreme Weather	3
or MET 1010	Introduction to Weather and Climate	
Intermediate Courses		
Select one:		3
GEO 3250	Climatology	
MET 3503	Weather and Forecasting	
Advanced Courses		
Select one:		3
MET 4532	Hurricanes	
MET 4560	Atmospheric Teleconnections	
MET 4750	Spatial Analysis of Atmospheric Data using GIS	

Elective Options

3-4

Select one additional course :

GEO 2006	Natural Hazards Geography
GEO 3250	Climatology
GEO 3280	Principles of Geographic Hydrology
GEO 3334	Managing for a Changing Climate
GEO 3341	Extreme Floods
GLY 3074	Oceans and Global Climate Change
GIS 4324	GIS Analysis of Hazard Vulnerability
MET 3503	Weather and Forecasting
MET 4532	Hurricanes
MET 4560	Atmospheric Teleconnections
MET 4750	Spatial Analysis of Atmospheric Data using GIS