



Course Approval Form

For instructions see:
<http://registrar.gmu.edu/facultystaff/catalog-revisions/course/>

Action Requested:

Create new course Inactivate existing course

Modify existing course (check all that apply)

Title Credits Repeat Status Grade Type

Prereq/coreq Schedule Type Restrictions

Other: Catalog description

Course Level:

Undergraduate

Graduate

College/School: Department:

Submitted by: Ext: Email:

Subject Code: Number: Effective Term: Fall Spring Year Summer

(Do not list multiple codes or numbers. Each course proposal must have a separate form.)

Title: Current Banner (30 characters max w/ spaces) New

Fulfills Mason Core Req? (undergrad only)

Currently fulfills requirement

Submission in progress

Credits: Fixed Variable or to

Repeat Status: Not Repeatable (NR) Repeatable within degree (RD) Repeatable within term (RT) Maximum credits allowed:

Grade Mode: Regular (A, B, C, etc.) Satisfactory/No Credit Special (A, B, C, etc. +IP)

Schedule Type: Lecture (LEC) Lab (LAB) Recitation (RCT) Internship (INT)

Independent Study (IND) Seminar (SEM) Studio (STU)

Prerequisite(s):

Corequisite(s):

Instructional Mode:

100% face-to-face

Hybrid: ≤ 50% electronically delivered

100% electronically delivered

Restrictions Enforced by System: Major, College, Degree, Program, etc. (include code)

Equivalencies: (check only as applicable)

YES, course is 100% equivalent to: _____

YES, course is being renumbered to/will replace the following: _____

Catalog Copy for NEW Courses Only (Consult University Catalog for models)

Description (No more than 60 words, use verb phrases and present tense)	Notes (List additional information for the course)
Covers predictability and seamless prediction of weather and climate for timescales ranging from days to decades. Studies limitations to predictability due to chaos, and possible sources of predictability due to slowly varying surface boundary conditions produced by interactions among atmosphere, ocean and land system. Discusses predictability of droughts and floods, monsoons, ENSO, decadal variations and climate change.	
Indicate number of contact hours: _____ Hours of Lecture or Seminar per week: _____ Hours of Lab or Studio: _____	
When Offered: (check all that apply) <input type="checkbox"/> Fall <input type="checkbox"/> Summer <input type="checkbox"/> Spring	

Approval Signatures

Department Approval _____ Date _____ College/School Approval _____ Date _____

If this course includes subject matter currently dealt with by any other units, the originating department must circulate this proposal for review by those units and obtain the necessary signatures prior to submission. Failure to do so will delay action on this proposal.

Unit Name	Unit Approval Name	Unit Approver's Signature	Date

For Graduate Courses Only

Graduate Council Member _____ Provost Office _____ Graduate Council Approval Date _____

Course Proposal Submitted to the College of Science Curriculum Committee (COSCC)

The form above is processed by the Office of the University Registrar. This second page is for the COSCC's reference. Please complete the applicable portions of this page to clearly communicate what the form above is requesting.

FOR ALL COURSES (required)

Course Number and Title: CLIM 751 Predictability of Weather and Climate

Date of Departmental Approval: 24 November 2015

FOR MODIFIED COURSES (required if modifying a course)

- Summary of the Modification:

Change title and catalog description.

- Reason for the Modification:

Course will become a new requirement for Climate Dynamics PhD and is being revamped to be a better introduction to the topic of predictability. Since prediction (science of forecasting a future state of the atmosphere) is intimately connected to predictability (the potential for a given feature of the atmosphere to be forecast), both topics are covered by the class. In addition to changing the description, we have also shortened it in order to comply with the 60 word limit.

- Text before Modification (title, repeat status, catalog description, etc.):

CLIM 751 - Predictability of Weather and Climate

Credits: 3

Not Repeatable

Covers predictability and seamless prediction of weather and climate for timescales ranging from days to decades. Studies limitations to predictability due to chaos, and possible sources of predictability due to slowly varying surface boundary conditions produced by interactions among atmosphere, ocean and land system. Discusses predictability of droughts and floods, monsoons, ENSO, decadal variations and climate change.

- Text after Modification (title, repeat status, catalog description, etc.):

CLIM 751 - Predictability and Prediction of Weather and Climate

Credits: 3

Not Repeatable

Covers predictability and seamless prediction of weather and climate for timescales ranging from days to decades. Studies limitations to predictability due to chaos, and possible sources of predictability due to slowly varying surface boundary conditions produced by interactions among atmosphere, ocean and land system. Discusses predictability of droughts and floods, monsoons, ENSO, and other short term climate variations. The course also covers predictability of decadal variations and climate change.
