



Program Approval Form

For approval of new programs and deletions or modifications to an existing program.

Action Requested:

☐ Create New (SCHEV approval required except for minors)
☐ Inactivate Existing
☒ Modify Existing (check **ALL** that apply)
☐ Title (SCHEV approval required except for minors)
☐ **Concentration** (Choose one): ☐ Add ☐ Delete ☐ Modify
☐ Degree Requirements
☐ Admission Standards/ Application Requirements
☒ Other
Changes: Replace an existing course

Type (Check one):

☐ B.A. ☒ B.S. ☐ Minor
☐ Master's
☐ Ph.D.
☐ Undergraduate Certificate*
☐ Graduate Certificate*
☐ Bachelor's/Accelerated Master's ☐ Other:

College/School:

College of Science

Department:

AOES

Submitted by:

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Effective Term:

Fall

2017

Please note: For students to be admitted to a new degree, minor, certificate or concentration, the program must be fully approved, entered into Banner, and published in the University Catalog.

Justification: (attach separate document if necessary)

GG5 456 Atmospheric Radiation is now offered as CLIM 456 Atmospheric Radiation. The new course will be taught by AOES faculty and cross-listed with GGS 456. **See attached sheets.**

Program Title: (Required)

Title must identify subject matter. Do not include name of college/school/dept.

Concentration(s):

Admissions Standards / Application

Requirements: (Required only if different from those listed in the University Catalog)

Degree Requirements:

Consult University Catalog for models, attach separate document if necessary using track changes for modifications

Courses offered via distance:

(if applicable)

TOTAL CREDITS REQUIRED:

Existing	New/Modified
Atmospheric Sciences, BS	

*For Certificates Only: Indicate whether students are able to pursue on a

☐ Full-time basis

☐ Part-time basis

Approval Signatures

Department

Date

College/School

Date

Provost's Office

Date

Required for Minors and Interdisciplinary Programs

If this program may impact another unit or is in collaboration with another unit at Mason, 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 Undergraduate Programs only

Undergraduate Council Member

Provost Office

Undergraduate Council Approval Date

For Graduate Programs Only

Graduate Council Member

Provost Office

Graduate Council Approval Date

For Registrar Office's Use Only: Received _____ Banner _____ Catalog _____

revised 9/2/2016

Program 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 PROGRAMS (required)

Program Title: Atmospheric Sciences, BS

Date of Departmental Approval: 12/1/2016

FOR MODIFIED PROGRAMS (required if modifying a program)

- **Summary of the Modification:**

Required elective GGS 456 Atmospheric Radiation is replaced by choice of CLIM 456 or GGS 456 Atmospheric Radiation

- **Reason for the Modification:**

Course will now be taught by AOES faculty as new course CLIM 456 cross-listed with GGS 456.

- **Text before Modification (title, degree requirements, etc.):**

Select 9 credits from the following:

9

CLIM 312	Physical Climatology
or GGS 312	Physical Climatology
CLIM 314	Severe and Extreme Weather
or GGS 314	Severe and Extreme Weather
CLIM 319	Air Pollution
or GGS 319	Air Pollution
CLIM 409	Research Internship
CLIM 412	Physical Oceanography
CLIM 429	Atmospheric Thermodynamics
CLIM 438	Atmospheric Chemistry
CLIM 440	Climate Dynamics
CLIM 470	Numerical Weather Prediction
GEOL 420	Earth Science and Policy (Mason Core)
CDS 251	Introduction to Scientific Programming
CDS 301	Scientific Information and Data Visualization
GGS 354	Data Analysis and Global Change Detection Techniques
GGS 455	Environmental Impact Assessment
GGS 456	Introduction to Atmospheric Radiation
MATH 214	Elementary Differential Equations

Total Credits

9

- **Text after Modification (title, degree requirements, etc.):**
CLIM 456 or GGS 456

9

Select 9 credits from the following:

CLIM 312	Physical Climatology
or GGS 312	Physical Climatology
CLIM 314	Severe and Extreme Weather
or GGS 314	Severe and Extreme Weather
CLIM 319	Air Pollution
or GGS 319	Air Pollution
CLIM 409	Research Internship
CLIM 412	Physical Oceanography
CLIM 429	Atmospheric Thermodynamics
CLIM 438	Atmospheric Chemistry
CLIM 440	Climate Dynamics
CLIM 456	Introduction to Atmospheric Radiation
or GGS 456	Introduction to Atmospheric Radiation
CLIM 470	Numerical Weather Prediction
GEOL 420	Earth Science and Policy (Mason Core)
CDS 251	Introduction to Scientific Programming
CDS 301	Scientific Information and Data Visualization
GGS 354	Data Analysis and Global Change Detection Techniques
GGS 455	Environmental Impact Assessment
GGS 456	Introduction to Atmospheric Radiation
MATH 214	Elementary Differential Equations

Total Credits

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