

MINUTES OF THE SEPTEMBER 20, 2019, MEETING OF THE CURRICULUM COMMITTEE

Location: Ford Hall 307

Present: Karen Christopher, Matt Church, Alan Leidner, Maryam Moazzen, Dwain Pruitt, Edna Ross

Absent: Jennifer Mansfield-Jones, Jake Wildstrom

Guests: Katie Adamchik, Danielle Dolan, Tim Dowling, Dave Howarth, Chakram Jayanthi, Jason Naylor

The meeting was convened at 2:00 PM.

The committee unanimously approved the minutes of the August 15, 2019, meeting and moved to its new business.

001-19F: The committee **APPROVED** the Student Success Center's request to change the title and description for GEN 100, currently entitled "Student Success Center Orientation." The course's new title will be "Student Success Center First-Year Experience" and its new description will read: "An introduction to the University of Louisville that assists new student who are unsure of their intended major or who are seeking admission to another academic unit in enhancing their personal and academic integration to campus. The course focuses on individual student success, as well as students' personal and academic development as they navigate their first year of college. This course helps students clarify purpose and meaning through exploration of their individual skills, values, and interests."

002-19F: The committee **APPROVED** A&S Advising's request to change the title and description for GEN 1001, currently titled "Arts and Sciences Orientation," to "Arts and Sciences First-Year Experience." The course's new description will read: "An introduction to the University of Louisville and the College of Arts & Sciences for students who are pursuing a major in the College. The course is designed to assist new students in enhancing their personal and academic integration to campus. The course focuses on individual student success, as well as students' personal and academic development as they navigate their first year of college. The course helps students clarify purpose and meaning through exploration of their individual skills, values, and interests."

003-19F: Dr. Tim Dowling and Dr. Chakram Jayanthi presented proposed changes to the BS in Physics. The Atmospheric Science major is being suspended. Students in the ATMS major will be able to complete the degree through a teach-out program, but, effective Fall 2020, new students will not be admitted to the major. As a result of ATMS' suspension, Physics and Astronomy and Geography and Geosciences are creating new tracks within their majors for students who are interested in atmospheric science. Physics and Astronomy proposed the creation of a new track in the BS called "Atmospheric Physics." Students in this track would complete the common PHYS core required of all Physics BS majors and then would complete a 9-hour Atmospheric Physics track consisting of the following:

- **REQUIRED COURSES (6 hours):** PHYS 363, "Atmospheric Physics," and PHYS 464, "Atmospheric Dynamics."
- **ELECTIVE (3 HOURS):** Students will take PHYS 517, "Physics of Climate," or PHYS 518, "Space Weather."

The committee **APPROVED** the Atmospheric Physics track's creation.

004-19F: The committee **APPROVED** Physics and Astronomy and Geography and Geosciences' request to rename PHYS 220/GEOS 220 "Introduction to Weather and Climate-S." This title more accurately and

clearly reflects the course's content and its future role in Physics' Atmospheric Science track and in Geography and Geosciences' proposed Meteorology track.

005-19F: The committee **APPROVED** the addition of PHYS 363, "Atmospheric Physics." This course will be offered for students who are interested in pursuing the Atmospheric Physics track and are not eligible to pursue the ATMS major. This course will eventually replace PHYS 362 after the ATMS teach-out has been completed.

006-19F: The committee **APPROVED** the addition of PHYS 464, "Atmospheric Dynamics," for the Atmospheric Physics track. It will eventually replace PHYS 465 after the ATMS teach-out has been completed.

007-19F: The committee **APPROVED** the addition of PHYS 517, "Physics of Climate," pending submission of a more-fully-developed syllabus that includes a course calendar.

008-19F: The committee **APPROVED** the addition of PHYS 518, "Space Weather," pending submission of a syllabus that clearly delineates expectations of graduate and undergraduate students enrolled in the course.

009-19F: The committee **APPROVED** the addition of PHYS 563, "Fluid Dynamics," pending submission of a revised syllabus that includes the Disability Resource Center's statement on accommodations.

010-19F: Dr. David Howarth and Dr. Jason Naylor presented the Department of Geography and Geosciences' proposed Meteorology track in the Applied Geography BS. This track has been designed to comply with the National Oceanic and Atmospheric Administration's requirements, the GS-1340 series, and will prepare graduates for careers in operational meteorology. Students pursuing the proposed track would complete the BS in Applied Geography's core courses and then complete the track requirements. Track requirements presented to the committee reflected current Physics offerings. The department will review changes in Physics' atmospheric science courses and make appropriate adjustments reflective of course renumberings and/or changes in course content before the 2020-21 catalog goes live. The current track requirements appear below:

- GEOS 220/PHYS 220, "Introduction to Weather and Climate-S"
- PHYS 360/GEOS 3XX, "Introduction to Weather Analysis"
- GEOS 363, "Climate Science"
- PHYS 361/GEOS 3XX, "Atmospheric Thermodynamics"
- PHYS 362/GEOS 3XX, "Physical Meteorology"
- PHYS 365/GEOS 3XX, "Mesoscale Meteorology"
- PHYS 465/GEOS 4XX, "Dynamic Meteorology"
- PHYS 469/GEOS 4XX, "Synoptic Meteorology"
- GEOG 355: "Introduction to Remote Sensing"

Students will also be required to complete supporting courses in MATH (202 and 206) and PHYS (295, 298, 299, and 350) as well as an elective chosen from the following: GEOS 385, GEOS 564, CHEM 341, CHEM 441 or CHEM 485, CECS 130 or an elective approved by the department.

The committee **APPROVED** the proposed track pending final submission of a track curriculum reflective of changes to PHYS atmospheric science curriculum and submission of CIFs creating the new GEOS cross-listings implied in the list above.

The meeting was adjourned at 2:50 PM.

Respectfully submitted,

Dwain C. Pruitt, Ph.D.
Assistant Dean for Curriculum and Governance
Prepared September 27, 2019

College of Arts and Sciences
Curriculum Committee
September 20, 2019
2:00-3:15 PM
Ford Hall 307

AGENDA

1) Approval of Minutes of the August 15, 2019, Meeting

NEW BUSINESS:

- 001-19F: Change to GEN 100 (title and description change)
- 002-19F: Change to GEN 101 (title and description change)
- 003-19F: Proposed new Atmospheric Physics track in the BS in Physics
- 004-19F: Change to PHYS 220 (title and cross-listing change)
- 005-19F: Addition of PHYS 363, "Atmospheric Physics"
- 006-19F: Addition of PHYS 464, "Atmospheric Dynamics"
- 007-19F: Addition of PHYS 517, "Physics of Climate"
- 008-19F: Addition of PHYS 518, "Space Weather"
- 009-19F: Addition of PHYS 563, "Fluid Dynamics"
- 010-19F: Proposed new Meteorology track in the BS in Applied Geography