

University of Washington
Faculty Council on Academic Standards
February 12, 2021
1:30 p.m. – 3:00 p.m.
Zoom

Meeting Synopsis:

1. Call to order
 2. Consent agenda
 - a. Minutes from January 29, 2021
 - b. SCAP report
 3. Chair's Updates
 4. New legislation for consideration
 - a. SR Chapter 102
 - b. SR Chapter 110
 5. UWCC issue
 6. Discussions on FCAS [Website](#): next step for updates
 7. Good of the order
 8. Adjourn
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1) Call to Order

The meeting was called to order at 1:30 p.m.

2) Consent agenda

- a. **Minutes from January 29, 2021**
- b. **SCAP report**

Chair Huppert asked the council for a motion to approve the consent agenda. The council voted to approve the consent agenda.

3) Chair's Updates

Chair Huppert provided an update on legislation moving through the SEC and Faculty Senate, and progress on the diversity credit requirement taskforce.

4) New legislation for consideration

- a. **SR Chapter 102**
- b. **SR Chapter 110**

Helen Garrett shared drafted Class B legislation regarding Scholastic Regulations Chapter 102 (Exhibit 1) and Chapter 110 (Exhibit 2).

A motion was made to approve the proposed changes to SR Chapter 102. The council voted to approve.

The council will not consider SR Chapter 110 until additional review on FCAS responsibilities and expectations with professional/graduate schools is completed.

5) UWCC issue

Niko Kirsch (UWCO) and Tina Miller shared a course proposal issues from the Atmospheric Sciences department (Exhibit 3).

A motion was made to approve the proposal of a new course in Atmospheric Sciences. The council voted to approve the proposal.

6) Discussions on FCAS [Website](#): next step for updates

The council reviewed proposed changes to the FCAS webpage on Policies, Procedures, and Guidelines.

A motion was made to remove the FCAS policy on W (“additional writing”) credit as posted on the website. Members voted to approve the removal. The Policy on W (“additional writing”) credit was removed from the FCAS webpage.

Members discussed the drafting of Class B legislation based on the FCAS policy on satisfactory progress to codify the best practices in Scholastic Regulations.

7) Good of the Order

Nothing was stated.

8) Adjourn

The meeting was adjourned at 3:03 p.m.

Minutes by Alexandra Portillo, council analyst, xanport@uw.edu

Present: **Faculty Code Section 21-61 A:** Ann Huppert (chair), Tom Lee, Mike Lockwood, Marjorie Olmstead, Scott Spaulding, Jennifer Turns, Yusuf Pisan
Faculty Code Section 21-61 B: Jennifer Payne, Susanne Redalje, Clara Coyote, Sarah Garner, Luz Iniguez
President’s Designee: Philip Reid
Regularly invited guests: Scott Fallgren, Tina Miller, Dan Feetham, Jason Johnson, Dave Sundine, LeAnn Wiles, Helen Garrett, Niko Kirsch

Absent: **Faculty Code Section 21-61 A:** Zhi Lin, Joel Ross, Steve Groening
Faculty Code Section 21-61 B: Joe Wilson

Exhibits

- Exhibit 1 – consent agenda
- Exhibit 2 – SR Chapter 102
- Exhibit 3 – SR Chapter 110
- Exhibit 4 – ATM S 310 proposal issue

CSE 163 – (2) “How to work with different types of data: tabular, text, images, geo-spatial”

ATMS 310 covers tabular, text and geo-spatial data types that are specific to our field. ATMS 310 does not cover image data types, which are too advanced for our course.

CSE 163 (3) “Ecosystem of data science tools including Jupyter Notebook and various data science libraries including scikit image, scikit learn, and Pandas data frames.”

ATMS 310 covers Jupyter Notebook and Pandas tabular data, but does not cover the more advanced topics of scikit image or scikit learn. CSE 163 (4) “Basic concepts related to code complexity, efficiency of different types of data structures, and memory management.”

ATMS 310 does not cover any of the topics listed in (4).

What ATMS 310 covers that is specific to atmospheric sciences and not taught in CSE 163 includes:

Reading and writing NetCDF data files. Regridding 3-dimensional data to a standard map projection and grid. Creating graphics of surface pressure or 500 mbar charts with wind vectors using proper map projections. And, our students will learn Python packages that are developed by atmospheric scientists and used exclusively for atmospheric sciences such as SurfaceDomain, MetPy and Py-ART.

The first supercomputers were constructed for weather prediction, and atmospheric sciences remains a heavy user of the worlds largest computers for weather and climate prediction and billions of measurements that are made each day to support our field. Atmospheric sciences has a deep history in programming and data analysis. Computer programming is about designing and building programs that accomplish a given task. In contrast, computer science, according to Wikipedia, is the “theory of computation and the practice of designing software systems”. These definitions suggest that computer programming can be taught by domain scientists when the goal is to program for a specific task.