**REGENTS COMMUNICATION
ACTION REQUEST**

SUBJECT: University of Michigan-Dearborn Bylaws

ACTION: Approval of Revised University of Michigan-Dearborn Bylaws, multiple articles
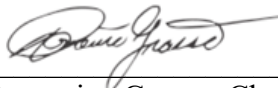
EFFECTIVE DATE: April 4, 2022

I have reviewed the proposed changes to the University of Michigan-Dearborn's Bylaws. The revisions incorporate the following: voting members; appointment of voting members; officers of the Faculty Senate; elections of Faculty Senate representatives, non-voting representatives for lecturers; and ex-officio members. The revisions also include the computer code (in Python) to calculate the number of Senate seats for each college.

These revisions have received a favorable vote by the University of Michigan-Dearborn Faculty Congress. They have been reviewed by Interim Provost Gabriella Scarlatta.

I recommend these changes for adoption.

Recommended by:

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Domenico Grasso, Chancellor
University of Michigan-Dearborn

May 2022

Amendments to UM-Dearborn Bylaws
Approved by Faculty Congress on April 4, 2022

Original language of the bylaws is in black, proposed additions are in red, proposed deletions are strikethrough.

Amendment #1 on the Faculty Senate seat reapportionment and non-voting chair

IV.2.1.a. <u>Voting Members</u>. The Senate shall consist of ~~19~~ 22 voting members elected from members of the governing faculty as defined in Article I.4 as well as professional librarians, archivists, and curators.

IV.2.1.c. <u>Apportionment of Voting Members.</u> ~~Each academic unit shall have the following number of voting members in the Senate: College of Education, Health and Human Services, three members; College of Business, three members; College of Engineering and Computer Science, three members; and CASL, nine members.~~ The number of voting members for each college in the Senate shall be reapportioned on the basis of the number of governing faculty in each college using the Hill method, with a minimum of three members per College. To ensure that each college will have at least three members, the Hill Method shall be applied as described in the Appendix. In addition, there shall be one seat held by an elected librarian, archivist or curator for the Library.

IV.2.1.d. <u>Reapportionment.</u> ~~The Senate may be reapportioned at any time by the amendment of the Campus Bylaws.~~ The number of voting members for each college in the Senate shall be reapportioned every five years using the Hill method outlined in section IV.2.1.c. or upon the reorganization of the University of Michigan-Dearborn. The number of governing faculty that is used for reapportionment should be taken as of January 1 of the year when the reapportionment is conducted. The number of voting members for the Library shall remain fixed at one member.

IV.3. <u>Officers of the Faculty Senate</u>

The officers of the Senate shall be the Chair, Vice-Chair, and such other officers as shall be decided upon by the Senate. The officers shall be elected by the Faculty Senate.

The Chair of the Faculty Senate shall act as a neutral party and not as a representative of their unit and shall not vote unless they have to cast a tie-breaking vote. The Senator elected as Chair shall be replaced by an alternate or other designee from the same unit for the duration of their serving as Chair to ensure that the unit keeps its representation in the Senate for the purposes of discussion and voting. The Chair of the Senate shall remain a voting member of the Faculty Congress.

Officers shall be elected for a term of one year and are eligible for reelection.

Amendment #2 on elections of Faculty Senate representatives

IV.2.3. The governing faculty of each school or College shall elect their voting Senate representatives at large or according to the practice adopted by each College. ~~In the case of CASL, however, each department shall elect one representative; the remaining representatives shall be elected by the College at large.~~

One voting Senate representative for the library shall be elected from among the professional librarians, archivists, and curators.

Faculty members holding administrative appointments of 50% or more are ineligible to serve in the Senate as elected voting faculty representatives.

Amendment#3 on non-voting representatives for lecturers

Insert New IV.2.1.b and renumber existing IV.2.1.b. through IV.2.1.d as IV.2.1.c. through IV.2.1.e to accommodate the new section]

[NEW] IV.2.1.b Non-Voting Members. The Senate shall also include 2 non-voting members representing lecturers and instructors. These representatives shall be elected for a three-year term.

The non-voting representatives shall have full rights of participation in the discussions of the Senate, with the exception of certain matters deemed not applicable by the Senate. During executive sessions, these non-voting representatives may be asked to leave.

At the end of IV.2.3. add:
The lecturers and instructors who hold appointments of one-half time or more shall elect their non-voting Senate representatives.

Amendment#4 on ex-officio members
IV2. 2.2. Ex-Officio Members.
The Chancellor, Provost, the UM-Dearborn members of the UM Senate Assembly ~~Members~~, student government president, and the president of the UM-Dearborn Academy of Retired Faculty and Staff shall serve as ex-officio, non-voting members of the Senate with full rights of participation in the discussions of the Senate. The Senate, however, may meet in executive session without the presence of ex-officio members.

Appendix to Amendment #1

```
#!/usr/bin/python3

# Algorithm for Hill Apportionment Method for UM-Dearborn Faculty Senate

# This describes the core of the Hill method for apportionment of
# Dearborn Faculty Senate membership (specified in Articles IV.2.1.a,
# IV.2.1.b, IV.2.1.c, of the Campus Bylaws) as a computer algorithm. This is
# modified for UM-Dearborn Faculty Senate from the Apportionment Method
# used for the UM Senate Assembly.

# Members are assigned by the Hill Method as follows.

# As specified by the Campus Bylaws, let:

#    h = number of members of the Faculty Senate apportioned to the
#    four colleges (21 = the total number 22, minus 1 for library).

#    n = number of colleges

#    floor[college] = minimum number of Faculty Senate members
#       to be assigned to a college (floor = 3, for all 4 colleges).
```

```python
# As calculated or derived within the Hill Method algorithm:

# college = an integer in the range 0 to n-1
#     identifying a particular college

# pop = total population to be represented
#     (total number of governing faculty)

# divisor = approximate average number of governing faculty
#     represented by each Faculty Senate Member
#     (however, it is really an internal variable and
#     should not be interpreted strictly in this way).

# hill[college] = the apportionment to the college

# f[college], a, z are used for internal manipulation.


# Number of members of the Faculty Senate to be apportioned to colleges
h = 21

# Table of colleges, two element list per college:
# [number of governing faculty in the college, name of the college]
# Technical note: The number of governing faculty is the only element of
# this script that needs adjusting to run the algorithm correctly.
colleges = [
  [171, 'CASL'],
  [86, 'CECS'],
  [45, 'COB'],
  [17, 'CEHHS'],
]

# Function to implement the rule for computing the minimum number of
# Faculty Senate members
# Technical note: Though a function is not needed for UM-Dearborn
# minimums, we are keeping the syntax in place should a function be
# required in the future (via future bylaws amendment).
def collegefloor(u):
  # all Colleges have a floor of 3 members
  uf = 3
  return(uf)

# Total number of colleges
n = len(colleges)

# Total population to be represented
pop = sum([college[0] for college in colleges])

# List with minimum number of Faculty Senate members for each college
f = [collegefloor(college[0]) for college in colleges]

# Initiate variables for Hill algorithm
divisor = float(pop) / h
```

```python
hill = [0 for college in colleges]

# Perform Hill algorithm, stop when exact
# number of representatives have been assigned
while sum(hill) != h:
  for college in range(n):
    z = colleges[college][0] / divisor
    a = int(z)
    hill[college] = a
    if z >= ((a*(a+1))**.5):
      hill[college] += 1
    hill[college] = max(hill[college], collegefloor(colleges[college][0]))
  divisor = (divisor * sum(hill)) / h


# Print out the apportionment
for college in range(n):
  print('%d\t%d\t%s' % (hill[college], colleges[college][0], colleges[college][1]))

# Print out totals
print('%d\t%d\t%s' % (sum(hill), pop, 'TOTAL'))
```