Senate Seat Apportionment (2011-13)

The Senate Elections Committee used the following procedure to determine the apportionment of Senate seats among the organized faculties:

1) We obtained a list of faculty, by academic unit from the Provost's Office. After much discussion among the elections committee, Jerry Grossman as Parliamentarian, and the Senate Steering Committee, the decision was made to NOT include the full time Adjuncts in this count. The decision was to adhere to a strict interpretation of the Senate Constitution that "members of an organized faculty shall refer to all Professors, Associate Professors, and Assistant Professors other than those on visiting status, and to all Instructors and Special Instructors who have served a minimum of two years at the University". The general consensus of those involved in the discussion was that the Constitution should be changed to include full time adjunct faculty in the list of list of those individuals included in the "member of an organized faculty", and after that change is implemented, those numbers would be included in future apportionment decisions.

2) As there were no new organized faculties added during the last Senate term (2009-2011, the School of Medicine faculty having been added in the last apportionment in 2009), the number of senate seats to be apportioned remains at 47.

3) The Senate Constitution states "Elective seats shall be assigned by the Elections Committee of the University Senate among the faculties in proportion to the number of members of organized faculties, with the proviso that no organized faculty shall be awarded more than forty-nine percent of the seats in the Senate, and that each organized faculty shall receive a minimum of one elective seat in addition to the Dean of the faculty, who sits ex officio."

4) After consulting with Jerry Grossman as to the various mathematical models available for determining apportionment, at his recommendation we decided to use the Adams Method for determining Senate apportionment for 2011-13. The formula and written description is imbedded in the attached Excel sheet.

Accordingly, the apportionment of Senators among organized faculties for 2011-13 is:

CAS   22
SEHS   6
SBA   6
SECS   5
SON   3
SHS   2
SOM   1
KL   1
ERI   1

Lynne Williams
Chair, Senate Elections Committee

UNIVERSITY SENATE APPORTIONMENT USING THE ADAMS METHOD

GROUP	Total Faculty	Std Divisor[a]	Std Quota[b]	Upper Quota[c]	Mod Divisor[d]	Mod Quota[e]	Mod Upper Quota
CAS	260	11.2340426	23.1439394	24	12.3	21.13821138	22
SEHS	73	11.2340426	6.49810606	7	12.3	5.93495935	6
SBA	64	11.2340426	5.6969697	6	12.3	5.203252033	6
SECS	50	11.2340426	4.45075758	5	12.3	4.06504065	5
SON	31	11.2340426	2.7594697	3	12.3	2.520325203	3
SHS	24	11.2340426	2.13636364	3	12.3	1.951219512	2
SOM	8	11.2340426	0.71212121	1	12.3	0.650406504	1
LIB	12	11.2340426	1.06818182	2	12.3	0.975609756	1
ERI	6	11.2340426	0.53409091	1	12.3	0.487804878	1
Total	528	11.2340426	47	52			47
Total Seats to Allocate	47						

[a]Standard Divisor (SD)   Total faculty/total seats
[b]Standard Quota (SQ)   Group Faculty total/SD
[c]Upper Quota   Standard Quota Rounded Up
Upper Quota Decision   Sum of Seats generated must = total seats (14)
[d]Modified Divisor   **New divisor found by trial and error to produce the correct number of seats when modified quota is summed.**
[e]Modified Quota   Group Faculty total/MD
[f]Modified Upper Quota   Modified Quota Rounded Up

Fill in columns B and C. Then fill in cell F4 with C4. This
will give a number in H13 that is too big.
Gradually increase the entry in F4 until the number in H13
matches the number in B14. The numbers in Column H
are the actual numbers of seats.

If CAS gets more than 49% of the seats by this method, then
assign them the largest number of seats less than
or equal to 49%, and then redo the whole calculation for the
remaining seats, setting CAS total to 0.

Prepared by Jerry Grossman and Lynne Williams, March 15, 2011