

Universities of Wisconsin IDEAS Alliance STEM Educators Workshop Survey Findings



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SISTERHOOD FOR EQUITY

The two-day workshop focused on unpacking and applying cultural responsiveness in STEM education for Universities of Wisconsin IDEAS Alliance faculty. Workshop participants engaged in a number of hands-on activities designed to more fully understand and value diverse students' backgrounds to identify and develop culturally responsive practices in their STEM courses.

Culturally responsive theoretical frameworks were discussed and pedagogical practices were modeled over the two days. Participants were provided opportunities to identify places in their course syllabi where culturally responsive practices could be integrated.

Demographics

21

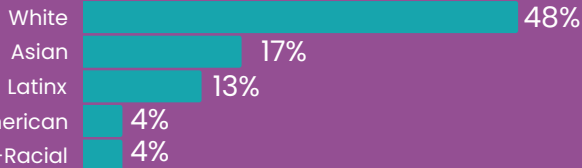
PRE-SURVEY

13

POST-SURVEY

PARTICIPANTS

RACE/ETHNICITY



GENDER



44%
MALES

35%
FEMALES

9%

NON-CONFORMING

FACULTY RANK



52%
Associate
Professors

9%
Full
Professors

17%
Assistant
Professors

AVERAGE AGE

46

Min = 29; Max=70
(SD=11.0)

52%

TAUGHT SOMEWHERE OTHER
THEIR CURRENT INSTITUTION

TENURE STATUS

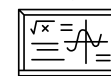
35%
Tenured

65%
Not Tenured

35%

HAVE SOME TYPE OF
TEACHING CREDENTIAL
OR LICENSE

DISCIPLINES REPRESENTED

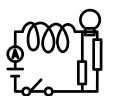


26.1%
Math



21.7%
Chemistry

- Biological Sciences
- Computer Science
- Electrical Engineering
- Mechanical Engineering
- Industrial & Manufacturing Engineering
- Physics



UW Institutions Represented

11 out of 13

UW institutions were represented with

26%

of participants from UW Milwaukee



Participation among UW Institutions

70%

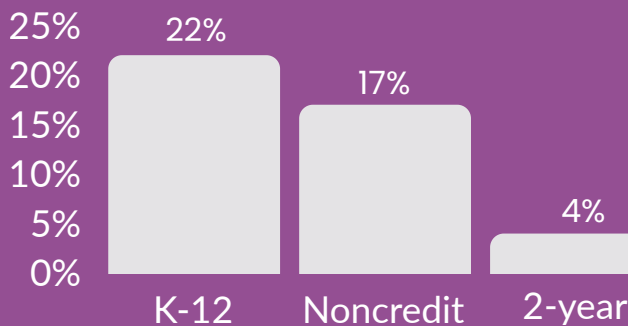
of participants teach at main UW campuses, while

30%

teach at UW extension campuses



Teaching Experience



Over a fifth of survey participants indicated having previously taught in a K-12 level.

Average Years Teaching

10.5 years

Min = 7.8 ; Max=28
(SD=7.8 years)



Survey Results

Significant increases in participants'...

- **knowledge** in 100% of the concepts from pre-to post
- **confidence** in their ability to use or implement each concept or strategy in their teaching (100%) from pre-to post
- perceptions of **usefulness** of most concepts or strategies presented during the workshop

93%

of participants **strongly agreed** or **agreed** that:

- they were satisfied overall with the workshop
- the materials presented were helpful
- they were satisfied with the content and examples presented
- they were satisfied with the format
- learning goals were met



100%

of participants **strongly agreed** or **agreed** that:

- they are **likely to implement** what they learned in their teaching
- they found the workshop interesting
- they were confident in the presenters' expertise in the subject matter