Changes to the UMC survey

Goals:
  Increased participation
  Increased accuracy
  Reporting format that allow changes with time to be analyzed

Mechanisms:
  Shorten and simplify
  Make questions as direct as possible
  Report tabulated data

Consistency with data in ASEE survey?
Changes to the UMC survey

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Consistency with data in ASEE survey?
Changes to the UMC survey - 2

Some aspects of the survey have never been reported, and nobody asked for it, so it has been eliminated.

9d) Does the MSE department have a PAID Associate Department Head/Chair?

9e) Number of proposals submitted/year/EFT?

9f) Number of proposals granted/year/EFT?

9g) Describe any course buy out policies that are enforced.

(300 character limit)
Changes to the UMC survey - 3

Some questions had so many qualifications, that they were cumbersome.

18)* Average monthly payment to stipend receiving grad students.

18) What is the nominal graduate student stipend amount in your department (provide monthly amount the student receives in Fall of 2009 after paying tuition and general fees)?

M.S. Students
Total stipend paid:
Dollar amount for medical insurance $ paid by student: % paid by school:
Dollar amount of additional fees: $ paid by student: % paid by school:
Dollar amount of out-of-state tuition: $ paid by student: % paid by school:

Ph.D. Students
Total stipend paid:
Dollar amount for medical insurance $ paid by student: % paid by school:
Dollar amount of additional fees: $ paid by student: % paid by school:
Dollar amount of out-of-state tuition: $ paid by student: % paid by school:

Describe any enhancements or topping grants, signing bonuses, relocation costs, etc. offered to exceptional students:
Changes to the UMC survey - 4

Some questions involve averages that, when combined, do not differ from national averages.
Changes to the UMC survey - 5

1) What is the departments exact name?

2) Name of degrees offered?

3)* Total annual research expenditures from external sources

4) How many equivalent full-time (EFT) tenure track faculty are in the department of MSE?

5)* How many equivalent full-time (EFT) non-tenure track faculty are in the department of MSE?

6)* Academic Year Faculty 9-month salaries? Provide only averages and only if a group contains three or more members (groups are assistant, associate, full)

8)* Number of academic year months supported by research grants for tenure track faculty

9)* Number of papers published in peer reviewed publications?
Changes to the UMC survey - 6

10)* How many post-docs are employed in your department? (M/F)

11)* How many graduate students are enrolled in the department (Mas/Doc),
Number of graduate students supported by research grants
Number supported by external fellowships

12)* Degrees awarded: Bachelors, Masters, Doctoral, M/F, ethnic minorities

14)* Undergraduate enrollment by class, M/F

18)* Average monthly payment to stipend receiving grad students.
Trends for totals in 15 departments

- Faculty: $1 = 301$
- Graduate enrollment: $1 = 1452$
- UG enrollment: $1 = 1106$ (13 depts.)
- Doctoral degrees: $1 = 217$
- Bachelors degrees: $1 = 356$
15 departments

MIT
UIUC
UC Berkeley
Northwestern
Ga Tech
University of Michigan
Cornell University
Penn State
University of Florida
Carnegie Mellon
California Institute of Technology
University of Pennsylvania
University of California - Santa Barbara
Stanford University
Ohio State University
Sample Data

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<th>Penn State</th>
<th>Research Exp.</th>
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<th>UG Enroll</th>
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Trends for totals in 10 departments

External funding: 1 = $69,500,000
Graduate enrollment: 1 = 1121
Faculty: 1 = 218