



\*\*\*SCHOOL N = 33; ALL OTHER IUPUI = 831

| Variable   | Mean  | IUPUI compared with |                  |                          |                         |                  |                          |       |                  |                          |         |                  |                          |           |                  |                          |      |
|--|---|---------------------|------------------|--------------------------|-------------------------|------------------|--------------------------|-------|------------------|--------------------------|---------|------------------|--------------------------|-----------|------------------|--------------------------|------|
|  |   | Informatics         |                  |                          | All Other IUPUI Schools |                  |                          | Urban |                  |                          | Doc-Int |                  |                          | NSSE 2002 |                  |                          |      |
|  |   | Mean                | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Mean                    | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Mean  | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Mean    | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Mean      | Sig <sup>a</sup> | Effect Size <sup>b</sup> |      |
| <i>1=never, 2=sometimes, 3=often, 4=very often</i> |   |                     |                  |                          |                         |                  |                          |       |                  |                          |         |                  |                          |           |                  |                          |      |
| a.   | Asked questions in class or contributed to class discussions  | CLQUEST             | 3.27             |                          |                         | 3.07             |                          |       | 2.98             | *                        | .34     | 2.94             | *                        | .39       | 3.10             |                          |      |
| b.   | Made a class presentation   | CLPRESEN            | 3.03             |                          |                         | 2.74             |                          |       | 2.68             | *                        | .41     | 2.68             | *                        | .41       | 2.81             |                          |      |
| c.   | Prepared two or more drafts of a paper or assignment before turning it in   | REWROPAP            | 2.73             |                          |                         | 2.70             |                          |       | 2.56             |                          |         | 2.48             |                          |           | 2.50             |                          |      |
| d.   | Worked on a paper or project that required integrating ideas or information from various sources  | INTEGRAT            | 3.33             |                          |                         | 3.36             |                          |       | 3.25             |                          |         | 3.23             |                          |           | 3.33             |                          |      |
| e.   | Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments. | DIVCLASS            | 2.70             |                          |                         | 2.72             |                          |       | 2.67             |                          |         | 2.60             |                          |           | 2.73             |                          |      |
| f.   | Came to class without completing readings or assignments  | CLUNPREP            | 1.97             |                          |                         | 2.08             |                          |       | 2.07             |                          |         | 2.14             |                          |           | 2.12             |                          |      |
| g.   | Worked with other students on projects during class   | CLASSGRP            | 2.64             |                          |                         | 2.56             |                          |       | 2.50             |                          |         | 2.44             |                          |           | 2.45             |                          |      |
| h.   | Worked with classmates outside of class to prepare class assignments  | OCCGRP              | 2.91             |                          |                         | 2.58             |                          |       | 2.56             | *                        | .39     | 2.69             |                          |           | 2.72             |                          |      |
| i.   | Put together ideas or concepts from different courses when completing assignments or during class discussions                             | INTIDEAS            | 2.79             |                          |                         | 2.82             |                          |       | 2.75             |                          |         | 2.78             |                          |           | 2.82             |                          |      |
| j.   | Tutored or taught other students (paid or voluntary)  | TUTOR               | 1.94             |                          |                         | 1.76             |                          |       | 1.69             |                          |         | 1.77             |                          |           | 1.85             |                          |      |
| k.   | Participated in a community-based project as a part of a regular course   | COMMPROJ            | 1.30             |                          |                         | 1.50             |                          |       | 1.48             |                          |         | 1.54             |                          |           | 1.59             | *                        | -.35 |

<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>b</sup> Effect size=mean difference divided by comparison group standard deviation.



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| Variable   | Informatics   | IUPUI compared with     |                     |                  |                          |       |                  |                          |         |                  |                          |           |                  |                          |     |
|--|---|-------------------------|---------------------|------------------|--------------------------|-------|------------------|--------------------------|---------|------------------|--------------------------|-----------|------------------|--------------------------|-----|
|  |   | All Other IUPUI Schools |                     |                  |                          | Urban |                  |                          | Doc-Int |                  |                          | NSSE 2002 |                  |                          |     |
|  |   | Mean                    | Other Schools' Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Mean  | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Mean    | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Mean      | Sig <sup>a</sup> | Effect Size <sup>b</sup> |     |
| <i>1=never, 2=sometimes, 3=often, 4=very often</i> |   |                         |                     |                  |                          |       |                  |                          |         |                  |                          |           |                  |                          |     |
| l.   | Used an electronic medium (list-serv, chat group, Internet, etc.) to discuss or complete an assignment                                  | ITACADEM                | 3.45                | 2.92             | **                       | .54   | 2.70             | ***                      | .73     | 2.75             | ***                      | .67       | 2.76             | ***                      | .67 |
| m.   | Used email to communicate with an instructor  | EMAIL                   | 3.64                | 3.21             | **                       | .51   | 2.91             | ***                      | .81     | 3.00             | ***                      | .71       | 3.07             | ***                      | .64 |
| n.   | Discussed grades or assignments with an instructor  | FACGRADE                | 2.94                | 2.80             |                          |       | 2.68             |                          |         | 2.73             |                          |           | 2.81             |                          |     |
| o.   | Talked about career plans with a faculty member or advisor  | FACPLANS                | 2.36                | 2.15             |                          |       | 2.15             |                          |         | 2.29             |                          |           | 2.45             |                          |     |
| p.   | Discussed ideas from your reading or classes with faculty members outside of class  | FACIDEAS                | 2.12                | 1.98             |                          |       | 1.89             |                          |         | 1.96             |                          |           | 2.09             |                          |     |
| q.   | Received prompt feedback from faculty on your academic performance (written or oral)  | FACFEED                 | 2.67                | 2.75             |                          |       | 2.69             |                          |         | 2.72             |                          |           | 2.81             |                          |     |
| r.   | Worked harder than you thought you could to meet an instructor's standards or expectations.   | WORKHARD                | 2.64                | 2.61             |                          |       | 2.63             |                          |         | 2.62             |                          |           | 2.68             |                          |     |
| s.   | Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.)                | FACOTHER                | 1.85                | 1.52             | *                        | .41   | 1.51             | *                        | .43     | 1.65             |                          |           | 1.82             |                          |     |
| t.   | Discussed ideas from your readings or classes with others outside of class (students, family members, coworkers, etc.)                  | OOIDEAS                 | 2.88                | 2.83             |                          |       | 2.78             |                          |         | 2.77             |                          |           | 2.86             |                          |     |
| u.   | Had serious conversations with students of a different race or ethnicity than your own  | DIVRSTUD                | 3.00                | 2.60             | *                        | .40   | 2.59             | *                        | .42     | 2.52             | **                       | .49       | 2.58             | *                        | .42 |
| v.   | Had serious conversations with students who differ from you in terms of their religious beliefs, political opinions, or personal values | DIFSTU2                 | 2.91                | 2.56             | *                        | .36   | 2.56             | *                        | .36     | 2.55             | *                        | .37       | 2.64             |                          |     |

<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

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| Informatics | All Other IUPUI Schools | IUPUI compared with |  |         |  |           |  |
|-------------|-------------------------|---------------------|--|---------|--|-----------|--|
|             |                         | Urban               |  | Doc-Int |  | NSSE 2002 |  |

| Variable | Mean | Other Schools' Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Urban Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Doc-Int Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | NSSE 2002 Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> |
|----------|------|---------------------|------------------|--------------------------|------------|------------------|--------------------------|--------------|------------------|--------------------------|----------------|------------------|--------------------------|
|----------|------|---------------------|------------------|--------------------------|------------|------------------|--------------------------|--------------|------------------|--------------------------|----------------|------------------|--------------------------|

1=very little, 2=some, 3=quite a bit, 4=very much

**2. Mental Activities**

|    |  |          |      |  |  |      |  |      |  |  |      |  |  |
|----|--|----------|------|--|--|------|--|------|--|--|------|--|--|
| a. | Memorizing facts, ideas, or methods from your courses and readings so you can repeat them in pretty much the same form   | MEMORIZE | 2.82 |  |  | 2.76 |  | 2.76 |  |  | 2.75 |  |  |
| b. | Analyzing the basic elements of an idea, experience, or theory such as examining a particular case or situation in depth and considering its components                            | ANALYZE  | 3.12 |  |  | 3.23 |  | 3.20 |  |  | 3.27 |  |  |
| c. | Synthesizing and organizing ideas, information, or experiences into new, more complex interpretations and relationships  | SYNTHESZ | 3.15 |  |  | 2.97 |  | 2.97 |  |  | 3.05 |  |  |
| d. | Making judgments about the value of information, arguments, or methods such as examining how others gathered and interpreted data and assessing the soundness of their conclusions | EVALUATE | 2.91 |  |  | 2.84 |  | 2.85 |  |  | 2.93 |  |  |
| e. | Applying theories or concepts to practical problems or in new situations   | APPLYING | 3.18 |  |  | 3.08 |  | 3.12 |  |  | 3.17 |  |  |

**3. Reading and Writing**

1=none, 2= between 1 and 4, 3=between 5 and 10, 4=between 11 and 20, 5=more than 20

|    |   |          |      |  |   |      |      |      |  |  |      |   |      |
|----|---|----------|------|--|---|------|------|------|--|--|------|---|------|
| a. | Number of assigned textbooks, books, or book-length packs of course readings                  | READASGN | 2.91 |  |   | 3.13 |      | 3.15 |  |  | 3.32 | * | -.40 |
| b. | Number of books read on your own (not assigned) for personal enjoyment or academic enrichment | READOWN  | 2.52 |  | * | .36  | 2.28 | 2.21 |  |  | 2.21 |   |      |
| c. | Number of written papers or reports of 20 pages or more                                       | WRITEMOR | 1.52 |  |   | 1.58 |      | 1.62 |  |  | 1.65 |   |      |
| d. | Number of written papers or reports between 5 and 19 pages                                    | WRITEMID | 2.31 |  |   | 2.49 |      | 2.53 |  |  | 2.69 | * | -.38 |
| e. | Number of written papers or reports of fewer than 5 pages                                     | WRITESML | 2.70 |  |   | 2.90 |      | 2.99 |  |  | 3.12 | * | -.36 |

<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

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|  |   | Informatics | All Other IUPUI Schools |                  |                          | IUPUI compared with |                  |                          |              |                  |                          |                |                  |                          |      |
|--|---|-------------|-------------------------|------------------|--------------------------|---------------------|------------------|--------------------------|--------------|------------------|--------------------------|----------------|------------------|--------------------------|------|
|  |   |             |                         |                  |                          | Urban               |                  |                          | Doc-Int      |                  |                          | NSSE 2002      |                  |                          |      |
| Variable   |   | Mean        | Other Schools' Mean     | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Urban Mean          | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Doc-Int Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | NSSE 2002 Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> |      |
| <p><b>4. Challenge of Examinations</b></p> <p><i>I=very little to 7=very much</i></p>  |   |             |                         |                  |                          |                     |                  |                          |              |                  |                          |                |                  |                          |      |
| To what extent did your exams during the current school year challenge you to do your best work?   |   | EXAMS       | 4.88                    | 5.56             | **                       | -.55                | 5.46             | **                       | -.47         | 5.46             | **                       | -.49           | 5.51             | **                       | -.54 |
| <p><b>5. Quality of Advising</b></p> <p><i>1=poor, 2=fair, 3=good, 4=excellent</i></p>   |   |             |                         |                  |                          |                     |                  |                          |              |                  |                          |                |                  |                          |      |
| Overall how would you evaluate the quality of academic advising you have received at your institution?   |   | ADVISE      | 2.69                    | 2.56             |                          |                     | 2.53             |                          |              | 2.66             |                          |                | 2.86             |                          |      |
| <p><b>6. Enriching Educational Experiences</b></p> <p><i>Which of the following have you done or do you plan to do before you graduate from your institution? 0=No, 1=Yes (undecided=missing) Means are the proportion of students responding "Yes."</i></p> |   |             |                         |                  |                          |                     |                  |                          |              |                  |                          |                |                  |                          |      |
| a.   | Practicum, internship, field experience, co-op experience, or clinical assignment   | INTERN      | 0.64                    | .66              |                          |                     | .72              |                          |              | .75              |                          |                | .76              |                          |      |
| b.   | Community service or volunteer work   | VOLUNTER    | 0.47                    | .53              |                          |                     | .57              |                          |              | .64              |                          |                | .69              | *                        | -.49 |
| c.   | Participate in a learning community or some other formal program where groups of students take two or more classes together | LEARNCOM    | 0.27                    | .29              |                          |                     | .24              |                          |              | .26              |                          |                | .26              |                          |      |
| d.   | Work on a research project with a faculty member outside of course or program requirements                                  | RESEARCH    | 0.35                    | .24              |                          |                     | .20              |                          |              | .26              |                          |                | .28              |                          |      |
| e.   | Foreign language coursework   | FORLANG     | 0.72                    | .31              | ***                      | .87                 | .35              | ***                      | .78          | .34              | ***                      | .79            | .44              | **                       | .56  |
| f.   | Study abroad  | STUDYABR    | 0.09                    | .07              |                          |                     | .10              |                          |              | .14              |                          |                | .20              |                          |      |
| g.   | Independent study or self-designed major  | INDSTUDY    | 0.70                    | .26              | ***                      | 1.00                | .24              | ***                      | 1.07         | .26              | ***                      | .99            | .31              | ***                      | .84  |
| h.   | Culminating senior experience (comprehensive exam, capstone course, thesis, project, etc.)                                  | SENIORX     | 0.97                    | .58              | ***                      | .79                 | .58              | ***                      | .79          | .57              | ***                      | .81            | .63              | ***                      | .70  |

<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

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| Variable | Informatics | All Other IUPUI Schools |                     |                          | IUPUI compared with |                  |                          |              |                  |                          |                |
|----------|-------------|-------------------------|---------------------|--------------------------|---------------------|------------------|--------------------------|--------------|------------------|--------------------------|----------------|
|          |             | Mean                    | Other Schools' Mean | Effect Size <sup>b</sup> | Urban Mean          | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Doc-Int Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | NSSE 2002 Mean |

1=0 hrs/wk, 2=1-5 hrs/wk, 3=6-10 hrs/wk, 4=11-15 hrs/wk, 5=16-20 hrs/wk, 6=21-25 hrs/wk, 7=26-30 hrs/wk, 8=more than 30 hrs/wk

**7. Time Usage**

|    |   |          |      |      |     |      |     |      |      |    |      |      |     |      |
|----|---|----------|------|------|-----|------|-----|------|------|----|------|------|-----|------|
| a. | Preparing for class (studying, reading, writing, rehearsing, and other activities related to your academic program) | ACADPR01 | 3.91 | 3.82 |     | 3.90 |     |      | 4.02 |    | 4.16 |      |     |      |
| b. | Working for pay on campus   | WORKON01 | 2.47 | 1.60 |     | 1.54 | *** | .65  | 1.74 | ** | .47  | 1.88 | *   | .38  |
| c. | Working for pay off campus  | WORKOF01 | 3.91 | 5.21 | *   | 4.99 | *   | -.40 | 4.14 |    | 3.64 |      |     |      |
| d. | Participating in co-curricular activities (organizations, campus publications, student government, etc.)            | COCURR01 | 1.36 | 1.42 |     | 1.52 |     |      | 1.86 | ** | -.38 | 2.04 | *** | -.48 |
| e. | Relaxing and socializing (watching TV, partying, exercising, etc.)  | SOCIAL01 | 3.76 | 3.54 |     | 3.61 |     |      | 3.72 |    | 3.75 |      |     |      |
| f. | Providing care for dependents living with you (parents, children, spouse, etc.)                                     | CAREDE01 | 2.00 | 3.31 | *** | 2.76 |     |      | 2.33 |    | 2.23 |      |     |      |
| g. | Commuting to class  | COMMUTE  | 2.52 | 2.46 |     | 2.41 |     |      | 2.23 |    | 2.06 | **   | .44 |      |

**8. Educational and Personal Growth**

1=very little, 2=some, 3=quite a bit, 4=very much

|    |  |         |      |      |   |      |  |  |      |  |      |    |      |
|----|--|---------|------|------|---|------|--|--|------|--|------|----|------|
| a. | Acquiring a broad general education                | NGENLED | 2.88 | 3.17 | * | 3.05 |  |  | 3.08 |  | 3.26 | ** | -.50 |
| b. | Acquiring job or work-related knowledge and skills | GNWORK  | 3.16 | 3.00 |   | 2.89 |  |  | 2.97 |  | 2.99 |    |      |
| c. | Writing clearly and effectively                    | GNWRITE | 2.78 | 3.04 |   | 2.92 |  |  | 2.87 |  | 3.06 |    |      |
| d. | Speaking clearly and effectively                   | GNSPEAK | 2.75 | 2.91 |   | 2.77 |  |  | 2.80 |  | 2.96 |    |      |

<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

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| Variable | Informatics | All Other IUPUI Schools |                  | IUPUI compared with      |            |                  |                          |              |                  |                          |                |                  |                          |
|----------|-------------|-------------------------|------------------|--------------------------|------------|------------------|--------------------------|--------------|------------------|--------------------------|----------------|------------------|--------------------------|
|          |             |                         |                  | Urban                    |            |                  | Doc-Int                  |              |                  | NSSE 2002                |                |                  |                          |
| Mean     | Mean        | Other Schools' Mean     | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Urban Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Doc-Int Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | NSSE 2002 Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> |

*1=very little, 2=some, 3=quite a bit, 4=very much*

**8. Educational and Personal Growth (continued)**

|    |   |          |      |      |     |      |      |      |     |      |     |      |      |     |     |
|----|---|----------|------|------|-----|------|------|------|-----|------|-----|------|------|-----|-----|
| a. | Thinking critically and analytically                        | GNANALY  | 3.28 | 3.31 |     | 3.18 |      | 3.22 |     | 3.33 |     |      |      |     |     |
| b. | Analyzing quantitative problems                             | GNQUANT  | 2.84 | 2.98 |     | 2.84 |      | 2.88 |     | 2.90 |     |      |      |     |     |
| c. | Using computing and information technology                  | GNCMPTS  | 3.69 | 3.16 | *** | .62  | 2.93 | ***  | .82 | 3.03 | *** | .73  | 3.00 | *** | .76 |
| d. | Working effectively with others                             | GNOTHERS | 3.13 | 3.02 |     | 2.93 |      | 3.02 |     | 3.13 |     |      |      |     |     |
| e. | Voting in local, state, or national elections               | GNCITIZN | 1.69 | 1.56 |     | 1.67 |      | 1.67 |     | 1.76 |     |      |      |     |     |
| f. | Learning effectively on your own                            | GNINQ    | 3.16 | 3.03 |     | 2.96 |      | 3.00 |     | 3.11 |     |      |      |     |     |
| g. | Understanding yourself                                      | GNSSELF  | 2.84 | 2.80 |     | 2.75 |      | 2.82 |     | 3.01 |     |      |      |     |     |
| h. | Understanding people of other racial and ethnic backgrounds | GNDIVERS | 2.63 | 2.59 |     | 2.59 |      | 2.59 |     | 2.67 |     |      |      |     |     |
| i. | Solving complex real-world problems                         | GNPROBSV | 2.72 | 2.60 |     | 2.54 |      | 2.65 |     | 2.70 |     |      |      |     |     |
| j. | Developing a personal code of values and ethics             | GNETHICS | 2.31 | 2.47 |     | 2.43 |      | 2.55 |     | 2.73 | *   | -.41 |      |     |     |
| k. | Contributing to the welfare of your community               | GNCOMMUN | 1.94 | 2.13 |     | 2.08 |      | 2.19 |     | 2.35 | *   | -.41 |      |     |     |

<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

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|   |   | Informatics                                       | All Other IUPUI Schools | IUPUI compared with |                          |            |                  |                          |              |                  |                          |                |                  |                          |  |
|---|---|---|-------------------------|---------------------|--------------------------|------------|------------------|--------------------------|--------------|------------------|--------------------------|----------------|------------------|--------------------------|--|
|   |   |   |                         | Urban               |                          | Doc-Int    |                  | NSSE 2002                |              |                  |                          |                |                  |                          |  |
| Variable  |   | Mean  | Other Schools' Mean     | Sig <sup>a</sup>    | Effect Size <sup>b</sup> | Urban Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Doc-Int Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | NSSE 2002 Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> |  |
|   |   | 1=very little, 2=some, 3=quite a bit, 4=very much |                         |                     |                          |            |                  |                          |              |                  |                          |                |                  |                          |  |
| <b>9. Institutional Environment</b>   |   |   |                         |                     |                          |            |                  |                          |              |                  |                          |                |                  |                          |  |
| a.  | Spending significant amounts of time studying and on academic work                                      | ENVSCHOL  | 2.88                    | 3.06                |                          | 2.96       |                  |                          | 3.02         |                  |                          | 3.11           |                  |                          |  |
| b.  | Providing the support you need to help you succeed academically   | ENVSUPRT  | 2.63                    | 2.72                |                          | 2.58       |                  |                          | 2.69         |                  |                          | 2.87           |                  |                          |  |
| c.  | Encouraging contact among students from different economic, social, and racial or ethnic backgrounds    | ENVDIVRS  | 2.03                    | 2.36                |                          | 2.31       |                  |                          | 2.29         |                  |                          | 2.38           | *                | -.35                     |  |
| d.  | Helping you cope with your non-academic responsibilities (work, family, etc.)                           | ENVNACAD  | 1.66                    | 1.70                |                          | 1.69       |                  |                          | 1.76         |                  |                          | 1.92           |                  |                          |  |
| e.  | Providing the support you need to thrive socially   | ENVSOCAL  | 1.56                    | 1.75                |                          | 1.82       |                  |                          | 1.94         | *                | -.43                     | 2.10           | ***              | -.58                     |  |
| f.  | Attending campus events and activities (special speakers, cultural performances, athletic events, etc.) | ENVEVENT  | 2.34                    | 1.95                | *                        | .43        | 2.11             |                          | 2.28         |                  |                          | 2.51           |                  |                          |  |
| <b>10. Quality of Relationships</b>   |   |   |                         |                     |                          |            |                  |                          |              |                  |                          |                |                  |                          |  |
| 1=unfriendly, unsupportive, sense of alienation to 7=friendly, supportive, sense of belonging |   |   |                         |                     |                          |            |                  |                          |              |                  |                          |                |                  |                          |  |
| a.  | Relationships with other students   | ENVSTU  | 5.63                    | 5.45                |                          | 5.35       |                  |                          | 5.55         |                  |                          | 5.70           |                  |                          |  |
| 1=unavailable, unhelpful, unsympathetic to 7=available, helpful, sympathetic                  |   |   |                         |                     |                          |            |                  |                          |              |                  |                          |                |                  |                          |  |
| b.  | Relationships with faculty members  | ENVFAC  | 5.19                    | 5.35                |                          | 5.23       |                  |                          | 5.30         |                  |                          | 5.55           |                  |                          |  |
| 1=unhelpful, inconsiderate, rigid to 7=helpful, considerate, flexible                         |   |   |                         |                     |                          |            |                  |                          |              |                  |                          |                |                  |                          |  |
| c.  | Relationships with administrative personnel and offices   | ENVADM  | 4.56                    | 4.49                |                          | 4.22       |                  |                          | 4.37         |                  |                          | 4.57           |                  |                          |  |
| <b>Satisfaction</b>   |   |   |                         |                     |                          |            |                  |                          |              |                  |                          |                |                  |                          |  |
| 1=poor, 2=fair, 3=good, 4=excellent   |   |   |                         |                     |                          |            |                  |                          |              |                  |                          |                |                  |                          |  |
| 11.   | How would you evaluate your entire educational experience at this institution?                          | ENTIREXP  | 3.00                    | 3.06                |                          | 2.98       |                  |                          | 3.07         |                  |                          | 3.24           |                  |                          |  |
| 1=definitely no, 2=probably no, 3=probably yes, 4=definitely yes                              |   |   |                         |                     |                          |            |                  |                          |              |                  |                          |                |                  |                          |  |
| 12.   | If you could start over again, would you go to the same institution you are now attending?              | SAMECOLL  | 2.81                    | 3.00                |                          | 2.91       |                  |                          | 2.99         |                  |                          | 3.13           | *                | -.38                     |  |

<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>b</sup> Effect size=mean difference divided by comparison group standard deviation.

\*\*\*SCHOOL N = 33; ALL OTHER IUPUI = 831

| Variable | Mean | All Other IUPUI Schools |                  | IUPUI compared with      |            |                  |                          |              |                  |                          |                |
|----------|------|-------------------------|------------------|--------------------------|------------|------------------|--------------------------|--------------|------------------|--------------------------|----------------|
|          |      | Other Schools' Mean     | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Urban Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Doc-Int Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | NSSE 2002 Mean |

**Benchmark Items**

**1. Level of Academic Challenge**

*1=never, 2=sometimes, 3=often, 4=very often*

|   |          |      |      |      |      |      |
|---|----------|------|------|------|------|------|
| Preparing for class (studying, reading, writing, rehearsing, and other activities related to your academic program) | ACADPR01 | 3.91 | 3.82 | 3.90 | 4.02 | 4.16 |
|---|----------|------|------|------|------|------|

*1=none, 2= between 1 and 4, 3=between 5 and 10, 4=between 11 and 20, 5=more than 20*

|  |          |      |      |      |      |             |
|--|----------|------|------|------|------|-------------|
| Number of assigned textbooks, books, or book-length packs of course readings | READASGN | 2.91 | 2.98 | 3.13 | 3.15 | 3.32 * -.40 |
| Number of written papers or reports of 20 pages or more                      | WRITEMOR | 1.52 | 1.59 | 1.58 | 1.62 | 1.65        |
| Number of written papers or reports between 5 and 19 pages                   | WRITEMID | 2.31 | 2.53 | 2.49 | 2.53 | 2.69 * -.38 |
| Number of written papers or reports of fewer than 5 pages                    | WRITESML | 2.70 | 2.88 | 2.90 | 2.99 | 3.12 * -.36 |

*1=very little, 2=some, 3=quite a bit, 4=very much*

|  |          |      |      |      |      |      |
|--|----------|------|------|------|------|------|
| Analyzing the basic elements of an idea, experience, or theory such as examining a particular case or situation in depth and considering its components                            | ANALYZE  | 3.12 | 3.30 | 3.23 | 3.20 | 3.27 |
| Synthesizing and organizing ideas, information, or experiences into new, more complex interpretations and relationships  | SYNTHESZ | 3.15 | 3.12 | 2.97 | 2.97 | 3.05 |
| Making judgments about the value of information, arguments, or methods such as examining how others gathered and interpreted data and assessing the soundness of their conclusions | EVALUATE | 2.91 | 2.98 | 2.84 | 2.85 | 2.93 |
| Applying theories or concepts to practical problems or in new situations   | APPLYING | 3.18 | 3.18 | 3.08 | 3.12 | 3.17 |

<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>b</sup> Effect size=mean difference divided by comparison group standard deviation.



\*\*\*SCHOOL N = 33; ALL OTHER IUPUI = 831

| Informatics | All Other IUPUI Schools | IUPUI compared with |  |  |         |  |  |           |  |  |
|-------------|-------------------------|---------------------|--|--|---------|--|--|-----------|--|--|
|             |                         | Urban               |  |  | Doc-Int |  |  | NSSE 2002 |  |  |

| Variable | Mean | Other Schools' Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Urban Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Doc-Int Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | NSSE 2002 Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> |
|----------|------|---------------------|------------------|--------------------------|------------|------------------|--------------------------|--------------|------------------|--------------------------|----------------|------------------|--------------------------|
|----------|------|---------------------|------------------|--------------------------|------------|------------------|--------------------------|--------------|------------------|--------------------------|----------------|------------------|--------------------------|

*1=never, 2=sometimes, 3=often, 4=very often*

**2. Active and Collaborative Learning**

|  |          |      |      |  |      |   |     |      |   |     |      |   |      |
|--|----------|------|------|--|------|---|-----|------|---|-----|------|---|------|
| Asked questions in class or contributed to class discussions   | CLQUEST  | 3.27 | 3.07 |  | 2.98 | * | .34 | 2.94 | * | .39 | 3.10 |   |      |
| Made a class presentation  | CLPRESEN | 3.03 | 2.74 |  | 2.68 | * | .41 | 2.68 | * | .41 | 2.81 |   |      |
| Worked with other students on projects during class  | CLASSGRP | 2.64 | 2.56 |  | 2.50 |   |     | 2.44 |   |     | 2.45 |   |      |
| Worked with classmates outside of class to prepare class assignments   | OCCGRP   | 2.91 | 2.58 |  | 2.56 | * | .39 | 2.69 |   |     | 2.72 |   |      |
| Tutored or taught other students (paid or voluntary)   | TUTOR    | 1.94 | 1.76 |  | 1.69 |   |     | 1.77 |   |     | 1.85 |   |      |
| Participated in a community-based project as a part of a regular course  | COMMPROJ | 1.30 | 1.50 |  | 1.48 |   |     | 1.54 |   |     | 1.59 | * | -.35 |
| Discussed ideas from your readings or classes with others outside of class (students, family members, coworkers, etc.) | OOCIDEAS | 2.88 | 2.83 |  | 2.78 |   |     | 2.77 |   |     | 2.86 |   |      |

**3. Student-Faculty Interactions**

*1=never, 2=sometimes, 3=often, 4=very often*

|  |          |      |      |   |      |      |   |      |      |  |      |  |  |
|--|----------|------|------|---|------|------|---|------|------|--|------|--|--|
| Discussed grades or assignments with an instructor   | FACGRADE | 2.94 | 2.80 |   | 2.68 |      |   | 2.73 |      |  | 2.81 |  |  |
| Talked about career plans with a faculty member or advisor   | FACPLANS | 2.36 | 2.15 |   | 2.15 |      |   | 2.29 |      |  | 2.45 |  |  |
| Discussed ideas from your reading or classes with faculty members outside of class                                       | FACIDEAS | 2.12 | 1.98 |   | 1.89 |      |   | 1.96 |      |  | 2.09 |  |  |
| Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.) | FACOTHER | 1.85 | 1.52 | * | 0.41 | 1.51 | * | .43  | 1.65 |  | 1.82 |  |  |
| Received prompt feedback from faculty on your academic performance (written or oral)                                     | FACFEED  | 2.67 | 2.75 |   | 2.69 |      |   | 2.72 |      |  | 2.81 |  |  |

*Which of the following have you done or do you plan to do before you graduate from your institution?  
0=No, 1=Yes (undecided=missing) Means are the proportion of students responding "Yes."*

|   |          |      |      |  |     |  |  |     |  |  |     |  |  |
|---|----------|------|------|--|-----|--|--|-----|--|--|-----|--|--|
| Work on a research project with a faculty member outside of course or program | RESEARCH | 0.35 | 0.24 |  | .20 |  |  | .26 |  |  | .28 |  |  |
|---|----------|------|------|--|-----|--|--|-----|--|--|-----|--|--|

<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>b</sup> Effect size=mean difference divided by comparison group standard deviation.



\*\*\*SCHOOL N = 33; ALL OTHER IUPUI = 831

| Variable | Informatics | All Other IUPUI Schools |                     | IUPUI compared with |                          |            |                  |                          |              | NSSE 2002        |                          |      |
|----------|-------------|-------------------------|---------------------|---------------------|--------------------------|------------|------------------|--------------------------|--------------|------------------|--------------------------|------|
|          |             | Mean                    | Other Schools' Mean | Sig <sup>a</sup>    | Effect Size <sup>b</sup> | Urban Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Doc-Int Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Mean |

1=0 hrs/wk, 2=1-5 hrs/wk, 3=6-10 hrs/wk, 4=11-15 hrs/wk, 5=16-20 hrs/wk, 6=21-25 hrs/wk, 7=26-30 hrs/wk, 8=more than 30 hrs/wk

**4. Enriching Educational Experiences**

|  |          |      |      |  |  |      |  |  |      |    |      |      |     |      |
|--|----------|------|------|--|--|------|--|--|------|----|------|------|-----|------|
| Participating in co-curricular activities (organizations, campus publications, student government, etc.) | COCURR01 | 1.36 | 1.42 |  |  | 1.52 |  |  | 1.86 | ** | -.38 | 2.04 | *** | -.48 |
|--|----------|------|------|--|--|------|--|--|------|----|------|------|-----|------|

Which of the following have you done or do you plan to do before you graduate from your institution?  
0=No, 1=Yes (undecided=missing) Means are the proportion of students responding "Yes."

|  |          |      |      |     |      |     |     |      |     |     |     |     |     |      |
|--|----------|------|------|-----|------|-----|-----|------|-----|-----|-----|-----|-----|------|
| Practicum, internship, field experience, co-op experience, or clinical assignment          | INTERN   | 0.64 | 0.66 |     |      | .72 |     |      | .75 |     |     | .76 |     |      |
| Community service or volunteer work  | VOLUNTER | 0.47 | 0.53 |     |      | .57 |     |      | .64 |     |     | .69 | *   | -.49 |
| Foreign language coursework  | FORLANG  | 0.72 | 0.31 | *** | 0.87 | .35 | *** | .78  | .34 | *** | .79 | .44 | **  | .56  |
| Study abroad   | STUDYABR | 0.09 | 0.07 |     |      | .10 |     |      | .14 |     |     | .20 |     |      |
| Independent study or self-designed major   | INDSTUDY | 0.70 | 0.26 | *** | 1.00 | .24 | *** | 1.07 | .26 | *** | .99 | .31 | *** | .84  |
| Culminating senior experience (comprehensive exam, capstone course, thesis, project, etc.) | SENIORX  | 0.97 | 0.58 | *** | 0.79 | .58 | *** | .79  | .57 | *** | .81 | .63 | *** | .70  |

1=never, 2=sometimes, 3=often, 4=very often

|   |          |      |      |    |      |      |     |     |      |     |     |      |     |     |
|---|----------|------|------|----|------|------|-----|-----|------|-----|-----|------|-----|-----|
| Had serious conversations with students of a different race or ethnicity than your own  | DIVRSTUD | 3.00 | 2.60 | *  | 0.40 | 2.59 | *   | .42 | 2.52 | **  | .49 | 2.58 | *   | .42 |
| Had serious conversations with students who differ from you in terms of their religious beliefs, political opinions, or personal values | DIFFSTU2 | 2.91 | 2.56 | *  | 0.36 | 2.56 | *   | .36 | 2.55 | *   | .37 | 2.64 |     |     |
| Used an electronic medium (list-serv, chat group, Internet, etc.) to discuss or complete an assignment                                  | ITACADEM | 3.45 | 2.92 | ** | 0.54 | 2.70 | *** | .73 | 2.75 | *** | .67 | 2.76 | *** | .67 |

1=very little, 2=some, 3=quite a bit, 4=very much

|  |          |      |      |  |  |      |  |  |      |  |  |      |   |      |
|--|----------|------|------|--|--|------|--|--|------|--|--|------|---|------|
| Encouraging contact among students from different economic, social, and racial or ethnic backgrounds | ENVDIVRS | 2.03 | 2.36 |  |  | 2.31 |  |  | 2.29 |  |  | 2.38 | * | -.35 |
|--|----------|------|------|--|--|------|--|--|------|--|--|------|---|------|

<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>b</sup> Effect size=mean difference divided by comparison group standard deviation.

\*\*\*SCHOOL N = 33; ALL OTHER IUPUI = 831

| Variable | Informatics | All Other IUPUI Schools |                  | IUPUI compared with      |            |                  |                          |              |                  |                          |                |                  |                          |
|----------|-------------|-------------------------|------------------|--------------------------|------------|------------------|--------------------------|--------------|------------------|--------------------------|----------------|------------------|--------------------------|
|          |             |                         |                  | Urban                    |            | Doc-Int          |                          | NSSE 2002    |                  |                          |                |                  |                          |
|          | Mean        | Other Schools' Mean     | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Urban Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | Doc-Int Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> | NSSE 2002 Mean | Sig <sup>a</sup> | Effect Size <sup>b</sup> |

**5. Supportive Campus Environment**

*1=very little, 2=some, 3=quite a bit, 4=very much*

|   |          |      |      |  |      |  |  |      |   |      |      |     |      |
|---|----------|------|------|--|------|--|--|------|---|------|------|-----|------|
| Providing the support you need to help you succeed academically               | ENVSUPRT | 2.63 | 2.72 |  | 2.58 |  |  | 2.69 |   |      | 2.87 |     |      |
| Helping you cope with your non-academic responsibilities (work, family, etc.) | ENVNACAD | 1.66 | 1.70 |  | 1.69 |  |  | 1.76 |   |      | 1.92 |     |      |
| Providing the support you need to thrive socially                             | ENVSOCAL | 1.56 | 1.75 |  | 1.82 |  |  | 1.94 | * | -.43 | 2.10 | *** | -.58 |

*1=unfriendly, unsupportive, sense of alienation to 7=friendly, supportive, sense of belonging*

|                                   |        |      |      |  |      |  |  |      |  |  |      |  |  |
|-----------------------------------|--------|------|------|--|------|--|--|------|--|--|------|--|--|
| Relationships with other students | ENVSTU | 5.63 | 5.45 |  | 5.35 |  |  | 5.55 |  |  | 5.70 |  |  |
|-----------------------------------|--------|------|------|--|------|--|--|------|--|--|------|--|--|

*1=unavailable, unhelpful, unsympathetic to 7=available, helpful, sympathetic*

|                                    |        |      |      |  |      |  |  |      |  |  |      |  |  |
|------------------------------------|--------|------|------|--|------|--|--|------|--|--|------|--|--|
| Relationships with faculty members | ENVFAC | 5.19 | 5.35 |  | 5.23 |  |  | 5.30 |  |  | 5.55 |  |  |
|------------------------------------|--------|------|------|--|------|--|--|------|--|--|------|--|--|

*1=unhelpful, inconsiderate, rigid to 7=helpful, considerate, flexible*

|   |        |      |      |  |      |  |  |      |  |  |      |  |  |
|---|--------|------|------|--|------|--|--|------|--|--|------|--|--|
| Relationships with administrative personnel and offices | ENVADM | 4.56 | 4.49 |  | 4.22 |  |  | 4.37 |  |  | 4.57 |  |  |
|---|--------|------|------|--|------|--|--|------|--|--|------|--|--|

<sup>a</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>b</sup> Effect size=mean difference divided by comparison group standard deviation.