Appendix A.

Sample vs. Population (Spring 2000)

<table>
<thead>
<tr>
<th>Student Characteristics</th>
<th>Sample N</th>
<th>%</th>
<th>Population N</th>
<th>%</th>
<th>Chi-Square Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gender</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>286</td>
<td>57.7</td>
<td>12627</td>
<td>59.5</td>
<td>NS</td>
</tr>
<tr>
<td>Female</td>
<td>210</td>
<td>42.3</td>
<td>8606</td>
<td>40.5</td>
<td></td>
</tr>
<tr>
<td><strong>Race</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>423</td>
<td>85.3</td>
<td>18224</td>
<td>85.8</td>
<td>NS</td>
</tr>
<tr>
<td>Non-White</td>
<td>69</td>
<td>13.9</td>
<td>2999</td>
<td>14.1</td>
<td></td>
</tr>
<tr>
<td><strong>Class Standing</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshmen</td>
<td>133</td>
<td>26.8</td>
<td>6064</td>
<td>28.6</td>
<td></td>
</tr>
<tr>
<td>Sophomore</td>
<td>108</td>
<td>21.8</td>
<td>5047</td>
<td>23.8</td>
<td>NS</td>
</tr>
<tr>
<td>Junior</td>
<td>108</td>
<td>21.8</td>
<td>4930</td>
<td>23.2</td>
<td></td>
</tr>
<tr>
<td>Senior</td>
<td>145</td>
<td>29.2</td>
<td>5192</td>
<td>24.4</td>
<td></td>
</tr>
</tbody>
</table>

*Note.* NS stands for Chi-Square test between the sample and population is not significant at the .05 level.
Appendix B.

Comparison between the CSEQ Original College Activity Scales and the Reconstructed College Activity Scales

<table>
<thead>
<tr>
<th>CSEQ Original College Activity Scales</th>
<th>Reconstructed College Activity Scales</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total 10 scales</td>
<td>Total 11 scales</td>
</tr>
</tbody>
</table>

**Library**
- Used the library as a quiet place to read or study materials you brought with you
- Found something interesting while browsing in the library
- Asked a librarian or staff member for help in finding information on some topic
- Read assigned material other than textbooks in the library
- Used an index or database to find material on some topic
- Developed a bibliography or reference list for a term paper or other report.
- Gone back to read a basic reference or document that other authors referred to.
- Made a judgment about the quality of information obtained from the library, WWW, or other sources

**Library Experiences**
- Used an index or database to find material on some topic
- Developed a bibliography or reference list for a term paper or other report.
- Found something interesting while browsing in the library
- Read assigned material other than textbooks in the library
- Asked a librarian or staff member for help in finding information on some topic
- Made a judgment about the quality of information obtained from the library, WWW, or other sources
- Gone back to read a basic reference or document that other authors referred to.
- Used the library as a quiet place to read or study materials you brought with you

**Computer and Information Technology**
- Used a computer or word processor to prepare reports or papers.
- Used e-mail to communicate with an instructor or other students.
- Used a computer tutorial to learn material for a course or developmental/remedial program?
- Joined in class discussions using an electronic medium.

**Computer Experiences**
- Used a computer to retrieve materials from a library not at this institution.
- Joined in class discussions using an electronic medium.
- Used a computer tutorial to learn material for a course or developmental/remedial program?
- Developed Web page or multimedia presentation.
<table>
<thead>
<tr>
<th>Searched the WWW or Internet for information related to a course.</th>
<th>Used a computer to analyze data.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used a computer to retrieve materials from a library not at this institution.</td>
<td>Using a computer to produce visual displays of information.</td>
</tr>
<tr>
<td>Using a computer to retrieve materials from a library not at this institution.</td>
<td>Used a computer to analyze data.</td>
</tr>
<tr>
<td>Developed Web page or multimedia presentation.</td>
<td></td>
</tr>
</tbody>
</table>

**Course Learning**

- Completed the assigned readings.
- Took detailed notes during class.
- Contributed to class discussions.
- Developed a role play, case study, or simulation for class.
- Tried to see how different facts and ideas fit together.
- Summarized major points and information from your class notes or readings.
- Worked on a class assignment, project, or presentation with others.
- Applied material learned in a class to other areas.
- Used information or experience from other areas of your life in class discussions or assignments.
- Tried to explain material from a course to someone else.
- Worked on a paper or project where you had to integrate ideas from various sources.

**Active Learning**

- Applied material learned in a class to other areas.
- Used information or experience from other areas of your life in class discussions or assignments.
- Tried to explain material from a course to someone else.
- Tried to see how different facts and ideas fit together.
- Worked on a paper or project where you had to integrate ideas from various sources.
- Contributed to class discussions.

**Writing Experiences**

- Used a dictionary or thesaurus to look up the proper meaning of words.
- Thought about grammar, etc. as you were writing.
- Asked other people to read something you wrote to see if it was clear to them.

**Writing Experiences**

- Revised a paper or composition two or more times before you were satisfied with it.
- Asked an instructor or staff member for advice and help to improve your writing.
- Asked other people to read something you wrote to see if it was clear to them.
Referred to a book or manual about writing style, grammar, etc.
Revised a paper or composition two or more times before you were satisfied with it.
Asked an instructor or staff member for advice and help to improve your writing.
Prepared major written report for a class.

Experiences with Faculty

Talked with an instructor about information related to a course you were taking.
Discussed your academic program or course selection with a faculty member.
Discussed ideas for a term paper or other class project with a faculty member.
Discussed your career plans and ambitions with a faculty member.
Worked harder as a result of feedback from an instructor.
Socialized with a faculty member outside of class.
Participated with other students in a discussion with one or more faculty members outside of class.
Asked your instructor for comments and criticisms about your academic performance.
Worked harder than you thought you could to meet an instructor's expectations and standards.
Worked with faculty member on a research project.

Interactions with Faculty

Discussed your academic program or course selection with a faculty member.
Discussed your career plans and ambitions with a faculty member.
Worked harder as a result of feedback from an instructor.
Talked with an instructor about information related to a course you were taking.
Asked your instructor for comments and criticisms about your academic performance.
Discussed ideas for a term paper or other class project with a faculty member.
Participated with other students in a discussion with one or more faculty members outside of class.
Socialized with a faculty member outside of class.
Worked harder than you thought you could to meet an instructor's expectations and standards.

Art, Music, Theater

Talked about art or theater with other students, friends, or family members.
Went to an art exhibit/gallery or theater performance, on or off the campus.
Participated in art activity or theater event, or worked on some theatrical production, on or off the campus.

Art Experiences

Talked about art or theater with other students, friends, or family members.
Went to an art exhibit/gallery or theater performance, on or off the campus.
Read or discussed the opinions of art, music, or drama critics.
Talked about music or musicians with other students, friends, or family members. 
Attended a concert or other music event, on or off the campus. 
Participated in some music activity on or off the campus. 
Read or discussed the opinions of art, music, or drama critics 

Campus facilities 

Used a campus lounge to relax or study by yourself. 
Met other students at some campus location for a discussion. 
Attended a cultural or social event in the campus center or other campus location. 
Went to a lecture or panel discussion. 
Used a campus learning lab or center to improve study or academic skills. 
Used campus recreational facilities. 
Played a team sport. 
Followed a regular schedule of exercise or practice some recreational sporting activity. 

Clubs and Organizations 

Attended a meeting of a campus club, organization, or student government group. 
Worked on a campus committee, student organization or project. 
Worked on an off-campus committee, student organization or project. 
Met with a faculty member or staff advisor to discuss the activities of a group or organization. 
Managed or provided leadership for a club or organization, on or off the campus. 

Exercise and Team Sports 

Followed a regular schedule of exercise or practice some recreational sporting activity. 
Used campus recreational facilities. 
Played a team sport. 

Use Campus facilities for Studying or Meeting Peers 

Met other students at some campus location for a discussion. 
Used a campus lounge to relax or study by yourself. 
Worked on a class assignment, project, or presentation with others. 

Clubs, Organizations, and Leadership Experiences 

Managed or provided leadership for a club or organization, on or off the campus. 
Worked on a campus committee, student organization or project. 
Attended a meeting of a campus club, organization, or student government group. 
Met with a faculty member or staff advisor to discuss the activities of a group or organization. 
Worked on an off-campus committee, student organization or project.
**Personal Experiences**

- Told a friend or family member why you reacted to another person the way you did.
- Discussed with others why some people get along smoothly, and others do not.
- Asked a friend for help with a personal problem.
- Read articles or books about personal growth, self-improvement, or social development.
- Identified with a character in a book, movie, or TV show and wondered what you might have done under similar circumstances.
- Taken a test to measure your abilities, interests, or attitudes.
- Asked a friend to tell you what he or she really thought about you.
- Talked with a faculty member, counselor, or other staff member about personal concerns.

**Intra-personal Experiences**

- Asked a friend to tell you what he or she really thought about you.
- Asked a friend for help with a personal problem.
- Read articles or books about personal growth, self-improvement, or social development.
- Taken a test to measure your abilities, interests, or attitudes.
- Identified with a character in a book, movie, or TV show and wondered what you might have done under similar circumstances.
- Discussed with others why some people get along smoothly, and others do not.
- Told a friend or family member why you reacted to another person the way you did.
- Talked with a faculty member, counselor, or other staff member about personal concerns.

**Scientific and Quantitative Experiences**

- Memorized formulas, definitions, technical terms and concepts.
- Used math terms to express a set of relationships.
- Explained your understanding of some scientific or math theory, principle or concept to someone else.
- Read articles about scientific or math theories or concepts in addition to those assigned in class.
- Completed an experiment or project using scientific methods.
- Practiced to improve your skill in using a piece of laboratory equipment.
- Showed someone else how to use a piece of scientific equipment.

**Cooperative Learning in Science**

- Explained an experimental procedure to someone else.
- Showed someone else how to use a piece of scientific equipment.
- Practiced to improve your skill in using a piece of laboratory equipment.
- Compared the scientific method with other methods for gaining knowledge and understanding.
- Completed an experiment or project using scientific methods.
- Explained to another person the scientific basis for concerns about scientific or environmental issues.
- Read articles about scientific or math theories or concepts in addition to those assigned in class.
Explained an experimental procedure to someone else.

Compared the scientific method with other methods for gaining knowledge and understanding.

Explained to another person the scientific basis for concerns about scientific or environmental issues.

Explained your understanding of some scientific or math theory, principle or concept to someone else.
Appendix C

*College Student Experiences Questionnaire (4th Edition)*

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