General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

In your experience at your institution during the current school year, about how often have you done each of the following?

Put together ideas or concepts from different courses when completing assignments or during class discussions

**INTIDEAS**
First Year Students

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**INTIDEAS**
Seniors

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Urban ES = -0.20
Carnegie = -0.19

If difference is significant in the most recent year by at least the p<0.05 level, then the Effect Size is noted. Effect Size (ES) measures practical significance when comparing means. An ES of .1-.29 is Small; .3-.49 is Medium; .5-.69 is Large; and .7 or greater is Very Large.
In your experience at your institution during the current school year, about how often have you done each of the following?

**Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)**

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General Education Principle 3
Critical Thinking, Integration and Application of Knowledge
During the current school year, how much has your coursework emphasized the following mental activities?

Analyzing the basic elements of an idea, experience, or theory, such as examining a particular case or situation in depth and considering its components.

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General Education Principle 3
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During the current school year, how much has your coursework emphasized the following mental activities?

*Synthesizing and organizing ideas, information, or experiences into new, more complex interpretations and relationships.*

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General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

During the current school year, how much has your coursework emphasized the following mental activities?

*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.*

![Graph showing the evaluation of first-year students and seniors from 2004 to 2012.](image)

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General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

During the current school year, how much has your coursework emphasized the following mental activities?

Applying theories or concepts to practical problems or in new situations

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General Education Principle 3
Critical Thinking, Integration and Application of Knowledge
During the school year, about how often have you done each of the following?

Examined the strengths and weaknesses of your own views on a topic or issue

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During the school year, about how often have you done each of the following?

_Tried to better understand someone else’s views by imagining how an issue looks from his or her perspective_

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General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

During the school year, about how often have you done each of the following?

**Learned something that changed the way you understand an issue or concept.**

*CHNGVIEW*
First Year Students

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*CHNGVIEW*
Seniors

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General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

Which of the following have you done or do you plan to do before you graduate from your institution?

- Worked on a research project with a faculty member outside of course or program requirements
General Education Principle 3
Critical Thinking, Integration and Application of Knowledge

To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?

**Thinking critically and analytically**

**GNANALY**
First Year Students

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To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?

Learning effectively on your own

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To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?

Solving complex real-world problems

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