HWP 373 ***Food Politics and Nutrition Policy: How Government and Industry Impact Health*** (Lanou): Students are evaluated on their class engagement, multiple reading reflection papers, a mid-term exam, and their individual and team completion of a set of food and nutrition guidelines for the UNCA campus. They also complete and reflect on the fall cluster activities as 25% of their work for this course.

ECON 245 ***Land Economics: Connecting Land with People*** (Mathews): Students are evaluated based on their class engagement, homework assignments and a group project requiring them to integrate their learning with that of their classmates to develop and present (in writing and by teaching a one-day class session) a sustainable local food system.

SOC 385 ***Science and Technology: Engaging the Citizen in a World of Experts*** (Peterson): The course uses a combination of formal and informal writing assignments as well as team-based projects. Students make weekly entries on a class WIKI page, reflecting on the interactive labs; write 5 short formal papers summarizing and applying the sociological frameworks they are learning; conduct a semester-long ethnography examining the relationship between an expert or lay-person and a technological artifact of their choice, writing a 12 page paper examining their observations. This is in addition to their work in the Food for Thought Cluster joint activities, which typically count for about 20% of their grade.

Course and Cluster Evaluation

The courses and cluster are evaluated by an adapted SENCER-SALG given as a pre- and post-test. SALG questions were modified to assess student perception of the content and context of courses from non-science disciplines and to assess student perception on learning in the *Food for Thought* cluster projects and activities. Pre-test questions were repeated in the post-test in order to quantify changes in student perceptions before and after the specific course and *Food for Thought* cluster experience. Students are tracked by their Student ID Number in order to assess changes before and after each course and as students take various courses within the cluster.

Below is the adapted SENCER-SALG where the following sections were given to each course:

	CHEM 174	**BIOL 110**	**HWP 225**	**HWP 325**	**HWP 373**	**ECON 245**	**SOC 385**
Pre-test Part 1 (Confidence in Natural Sciences)	X	X	X	X	X	X	X

Pre-test Part 2 (Confidence in the Discipline)	Chemistry	Biology	Nutrition Science	Nutrition Policy	Patho-physiology	Econ-omics	Soc-iology
Pre-test Part 3 (Interest in Science)	X	X	X	X	X	X	X
Pre-test Part 4 (Interest in the Discipline)	Chemistry	Biology	Nutrition Science	Nutrition Policy	Patho-physiology	Econ-omics	Soc-iology
Pre-test Part 5 (Science & Civic Engagement)	X	X	X	X	X	X	X
Pre-test Part 6 (Interest in this course)	X	X	X	X	X	X	X
Pre-test Part 7 (*Food for Thought* learning goals)	Fall	Spring	Fall & Spring	Spring	Fall	Fall	Spring
Pre-test Part 8 (Demographic Information)	X	X	X	X	X	X	X

	CHEM 174	**BIOL 110**	**HWP 225**	**HWP 325**	**HWP 373**	**ECO N 245**	**SOC 385**
Post-test Part 1 (Confidence in Natural Sciences) same as Pre-test Part 1	X	X	X	X	X	X	X
Post-test Part 2 (Confidence in the Discipline) same as Pre-test Part 2	Chemistry	Biology	Nutrition Science	Nutrition Policy	Patho-physiology	Econ-omics	Soc-iology
Post-test Part 3 (Interest in Science) same as Pre-test Part 3	X	X	X	X	X	X	X
Post-test Part 4 (Interest in the Discipline) same as Pre-test Part 4	Chemistry	Biology	Nutrition Science	Nutrition Policy	Patho-physiology	Econ-omics	Soc-iology
Post-test Part 5 (Science & Civic Engagement) same as Pre-test Part 5	X	X	X	X	X	X	X
Post-test Part 6 (Interest in this course) same as Pre-test Part 6	X	X	X	X	X	X	X
Post-test Part 7 (*Food for Thought* learning goals) same as Pre-test Part 7	Fall	Spring	Fall & Spring	Spring	Fall	Fall	Spring
Post-Test Part 8 (Student Learning)	X	X	X	X	X	X	X
Post-Test Part	X	X	X	X	X	X	X

9 (Student Understanding)							
Post-Test Part 10 (Added Skills)	X	X	X	X	X	X	X
Post-Test Part 11 (Gains)	X	X	X	X	X	X	X
Post-Test Part 12 (Skills and Gains Carried to Other Courses)	X	X	X	X	X	X	X

Pre-Test Part One

In the following questions, please consider your experience with the NATURAL SCIENCES, (these might include biology, physics, chemistry, mathematics and engineering, for example).

Presently, I am CONFIDENT I can … (please circle your response)

1. Discuss scientific concepts with my friends or family	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
2. Think critically about scientific findings I read about in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
3. Determine what is – and is not – valid scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
4. Make an argument using scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
5. Determine the difference between science and "pseudo-science"	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
6. Interpret tables and graphs	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
7. Understand mathematical and statistical formulas commonly found in scientific texts	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
8. Find scientific journal articles using library/internet databases	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
9. Extract main points from a scientific article and develop a coherent summary	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
10. Give a presentation about a science topic to my class	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
11. Obtain scientific data in a laboratory or field setting	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident

12. Understand how scientific research is carried out	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
13. Pose questions that can be addressed by collecting and evaluating scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
14. Organize a systematic search for relevant data to answer a question	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
15. Write reports using scientific data as evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
16. Understand scientific processes behind important scientific issues in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
17. Understand the science content of this course	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident

Pre-Test Part Two - Chemistry

In the following questions, please consider your experience with the discipline of CHEMISTRY.

Presently, I am CONFIDENT I can … (please circle your response)

1. Discuss chemistry concepts with my friends or family	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
2. Think critically about scientific findings I read about in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
3. Determine what is – and is not – valid scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
4. Make an argument using scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
5. Determine the difference between science and "pseudo-science"	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
6. Interpret tables and graphs	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
7. Understand mathematical and statistical formulas commonly found in scientific texts	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
8. Find scientific journal articles using library/internet databases	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
9. Extract main points from a scientific article and develop a coherent summary	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
10. Give a presentation about a chemistry topic to my class	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
11. Obtain scientific data in a laboratory or field setting	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
12. Understand how scientific research is carried out	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
13. Pose questions that can be addressed by collecting and evaluating scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
14.Organize a systematic search for relevant data to answer a question	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
15. Write reports using chemical scientific data as evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
16. Understand chemical processes behind important scientific issues in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
17. Understand the chemistry content of this course	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident

Pre-Test Part Two - Biology

In the following questions, please consider your experience with the discipline of BIOLOGY.

Presently, I am CONFIDENT I can … (please circle your response)

1. Discuss biology concepts with my friends or family	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
2. Think critically about scientific findings I read about in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
3. Determine what is – and is not – valid scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
4. Make an argument using scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
5. Determine the difference between science and "pseudo-science"	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
6. Interpret tables and graphs	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
7. Understand mathematical and statistical formulas commonly found in scientific texts	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
8. Find scientific journal articles using library/internet databases	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
9. Extract main points from a scientific article and develop a coherent summary	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
10. Give a presentation about a biology topic to my class	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
11. Obtain scientific data in a laboratory or field setting	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
12. Understand how scientific research is carried out	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
13. Pose questions that can be addressed by collecting and evaluating scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
14.Organize a systematic search for relevant data to answer a question	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
15. Write reports using biological scientific data as evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
16. Understand biological processes behind important scientific issues in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
17. Understand the biology content of this course	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident

Pre-Test Part Two – Nutrition Science

In the following questions, please consider your experience with the discipline of NUTRITION SCIENCE.

Presently, I am CONFIDENT I can … (please circle your response)

1. Discuss nutrition science concepts with my friends or family	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
2. Think critically about scientific findings I read about in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
3. Determine what is – and is not – valid scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
4. Make an argument using scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
5. Determine the difference between science and "pseudo-science"	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
6. Interpret tables and graphs	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
7. Understand mathematical and statistical formulas commonly found in scientific texts	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
8. Find scientific journal articles using library/internet databases	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
9. Extract main points from a scientific article and develop a coherent summary	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
10. Give a presentation about a nutrition science topic to my class	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
11. Obtain scientific data in a laboratory or field setting	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
12. Understand how scientific research is carried out	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
13. Pose questions that can be addressed by collecting and evaluating scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
14.Organize a systematic search for relevant data to answer a question	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
15. Write reports using nutrition science data as evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
16. Understand nutrition science behind important scientific issues in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
17. Understand the nutrition science content of this course	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident

Pre-Test Part Two – Nutrition Policy

In the following questions, please consider your experience with the discipline of NUTRITION POLICY.

Presently, I am CONFIDENT I can … (please circle your response)

1. Discuss nutrition policy concepts with my friends or family	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
2. Think critically about scientific findings I read about in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
3. Determine what is – and is not – valid scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
4. Make an argument using scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
5. Determine the difference between science and "pseudo-science"	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
6. Interpret tables and graphs	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
7. Understand mathematical and statistical formulas commonly found in scientific texts	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
8. Find scientific journal articles using library/internet databases	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
9. Extract main points from a scientific article and develop a coherent summary	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
10. Give a presentation about a nutrition policy topic to my class	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
11. Obtain scientific data in a laboratory or field setting	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
12. Understand how scientific research is carried out	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
13. Pose questions that can be addressed by collecting and evaluating scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
14.Organize a systematic search for relevant data to answer a question	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
15. Write reports using nutrition policy data as evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
16. Understand nutrition policy behind important scientific issues in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
17. Understand the nutrition policy content of this course	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident

Pre-Test Part Two – Pathyphysiology

In the following questions, please consider your experience with the discipline of PATHYPHYSIOLOGY OF CHRONIC DISEASE.

Presently, I am CONFIDENT I can … (please circle your response)

1. Discuss pathyphysiology concepts with my friends or family	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
2. Think critically about scientific findings I read about in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
3. Determine what is – and is not – valid scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
4. Make an argument using scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
5. Determine the difference between science and "pseudo-science"	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
6. Interpret tables and graphs	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
7. Understand mathematical and statistical formulas commonly found in scientific texts	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
8. Find scientific journal articles using library/internet databases	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
9. Extract main points from a scientific article and develop a coherent summary	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
10. Give a presentation about a pathyphysiology topic to my class	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
11. Obtain scientific data in a laboratory or field setting	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
12. Understand how scientific research is carried out	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
13. Pose questions that can be addressed by collecting and evaluating scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
14.Organize a systematic search for relevant data to answer a question	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
15. Write reports using pathyphysiology data as evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
16. Understand pathyphysiology behind important scientific issues in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
17. Understand the pathyphysiology content of this course	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident

Pre-Test Part Two – Land Economics

In the following questions, please consider your experience with the discipline of ECONOMICS.

Presently, I am CONFIDENT I can … (please circle your response)

1. Discuss economics concepts with my friends or family	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
2. Think critically about social scientific findings I read about in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
3. Determine what is – and is not – valid social scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
4. Make an argument using social scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
5. Determine the difference between science and "pseudo-science"	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
6. Interpret tables and graphs	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
7. Understand mathematical and statistical formulas commonly found in social science texts	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
8. Find social scientific journal articles using library/internet databases	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
9. Extract main points from a social science article and develop a coherent summary	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
10. Give a presentation about a economics topic to my class	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
11. Obtain social scientific data in a laboratory or field setting	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
12. Understand how social science research is carried out	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
13. Pose questions that can be addressed by collecting and evaluating social science evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
14.Organize a systematic search for relevant data to answer a question	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
15. Write reports using economic data as evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
16. Understand economics behind important scientific issues in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
17. Understand the economics content of this course	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident

Pre-Test Part Two – Sociology (Science and Technology)

In the following questions, please consider your experience with the discipline of SOCIOLOGY.

Presently, I am CONFIDENT I can … (please circle your response)

1. Discuss sociology concepts with my friends or family	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
2. Think critically about social scientific findings I read about in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
3. Determine what is – and is not – valid social scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
4. Make an argument using social scientific evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
5. Determine the difference between science and "pseudo-science"	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
6. Interpret tables and graphs	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
7. Understand mathematical and statistical formulas commonly found in social science texts	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
8. Find social scientific journal articles using library/internet databases	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
9. Extract main points from a social science article and develop a coherent summary	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
10. Give a presentation about a sociology topic to my class	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
11. Obtain social scientific data in a laboratory or field setting	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
12. Understand how social science research is carried out	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
13. Pose questions that can be addressed by collecting and evaluating social science evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
14.Organize a systematic search for relevant data to answer a question	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
15. Write reports using sociological data as evidence	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
16. Understand sociology behind important scientific issues in the media	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident
17. Understand the sociology content of this course	NA	Not confident	A little confident	Somewhat confident	Highly confident	Extremely confident

Pre-Test Part Three

Presently, I am interested in … (please circle your response)

1. Discussing science with friends or family	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
2. Reading about science and its relation to civic issues	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
3. Reading articles about science in magazines, journals or on the internet	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
4. Taking additional science courses	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
5. Majoring in a science-related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
6. Exploring career opportunities in science	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
7. Joining a science club or organization	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
8. Attending graduate school in a science-related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
9. Teaching science	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested

Pre-Test Part Four - Chemistry

Presently, I am interested in … (please circle your response)

1. Discussing chemistry with friends or family	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
2. Reading about chemistry and its relation to civic issues	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
3. Reading articles about chemistry in magazines, journals or on the internet	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
4. Taking additional chemistry courses after this one	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
5. Majoring in a chemistry-related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
6. Exploring career opportunities in chemistry	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
7. Joining a chemistry club or organization	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
8. Attending graduate school in a chemistry-related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
9. Teaching chemistry	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested

Pre-Test Part Four - Biology

Presently, I am interested in … (please circle your response)

1. Discussing biology with friends or family	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
2. Reading about biology and its relation to civic issues	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
3. Reading articles about biology in magazines, journals or on the internet	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
4. Taking additional biology courses after this one	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
5. Majoring in a biology-related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
6. Exploring career opportunities in biology	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
7. Joining a biology club or organization	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
8. Attending graduate school in a biology-related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
9. Teaching biology	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested

Pre-Test Part Four – Nutrition Science

Presently, I am interested in … (please circle your response)

1. Discussing nutrition science with friends or family	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
2. Reading about nutrition science and its relation to civic issues	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
3. Reading articles about nutrition science in magazines, journals or on the internet	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
4. Taking additional nutrition science courses after this one	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
5. Majoring in a nutrition science-related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
6. Exploring career opportunities in nutrition science	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
7. Joining a nutrition science club or organization	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
8. Attending graduate school in a nutrition science-related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
9. Teaching nutrition science	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested

Pre-Test Part Four – Nutrition Policy

Presently, I am interested in … (please circle your response)

1. Discussing nutrition policy with friends or family	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
2. Reading about nutrition policy and its relation to civic issues	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
3. Reading articles about nutrition policy in magazines, journals or on the internet	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
4. Taking additional nutrition policy courses after this one	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
5. Majoring in a nutrition policy-related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
6. Exploring career opportunities in nutrition policy	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
7. Joining a nutrition policy club or organization	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
8. Attending graduate school in a nutrition policy-related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
9. Teaching nutrition policy	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested

Pre-Test Part Four – Pathophysiology

Presently, I am interested in … (please circle your response)

1. Discussing pathyphysiology with friends or family	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
2. Reading about pathyphysiology and its relation to civic issues	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
3. Reading articles about pathyphysiology in magazines, journals or on the internet	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
4. Taking additional pathyphysiology courses after this one	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
5. Majoring in a pathyphysiology-related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
6. Exploring career opportunities in pathyphysiology	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
7. Joining a pathyphysiology club or organization	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
8. Attending graduate school in a pathyphysiology-related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
9. Teaching pathyphysiology	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested

Pre-Test Part Four - Economics

Presently, I am interested in … (please circle your response)

1. Discussing economics with friends or family	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
2. Reading about economics and its relation to civic issues	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
3. Reading articles about economics in magazines, journals or on the internet	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
4. Taking additional economics courses after this one	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
5. Majoring in an economics - related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
6. Exploring career opportunities in economics	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
7. Joining an economics club or organization	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
8. Attending graduate school in an economics -related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
9. Teaching economics	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested

Pre-Test Part Four - Sociology

Presently, I am interested in … (please circle your response)

1. Discussing sociology with friends or family	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
2. Reading about sociology and its relation to civic issues	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
3. Reading articles about sociology in magazines, journals or on the internet	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
4. Taking additional sociology courses after this one	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
5. Majoring in a sociology-related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
6. Exploring career opportunities in sociology	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
7. Joining a sociology club or organization	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
8. Attending graduate school in a sociology-related field	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested
9. Teaching sociology	NA	Not at all interested	A little interested	Somewhat interested	Highly interested	Extremely interested

Pre-Test Part Five

In the past year, how often have you … (please circle your response)

1. Discussed a science-related issue informally	NA	Never	Once	Twice	Three times	More than three times
2. Discussed a civic or political issue informally	NA	Never	Once	Twice	Three times	More than three times
3. Read a science-related magazine not required by class	NA	Never	Once	Twice	Three times	More than three times
4. Written a letter or emailed a public official about a civic or political issue	NA	Never	Once	Twice	Three times	More than three times
5. Written a letter or emailed a public official about a science-related issue	NA	Never	Once	Twice	Three times	More than three times
6. Talked with a public official about a civic or science-related issue	NA	Never	Once	Twice	Three times	More than three times
7. Debated or offered public comment on a scientific issue	NA	Never	Once	Twice	Three times	More than three times
8. Debated or offered public comment on a civic or political issue	NA	Never	Once	Twice	Three times	More than three times
9. Attended a meeting, rally, or protest about a civic or political issue	NA	Never	Once	Twice	Three times	More than three times
10. Written a letter to the editor about a civic issue or political issue	NA	Never	Once	Twice	Three times	More than three times
11. Written a letter to the editor about a science-related issue	NA	Never	Once	Twice	Three times	More than three times

Pre-Test Part Six

Please tell us why you are taking this course. (please circle your response)

1. It is required and I am interested in the topic of the course	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
2. It is required but I am not interested in the topic of the course	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
3. It is not required but I am interested in the topic of the course	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
4. The course fits my schedule	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
5. It is a prerequisite for another course	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
6. I heard good things about the teacher	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree

7. I was drawn to a science course that promised to address civic issues	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
8. I was drawn to a course that promised to apply science to real world issues	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
9. I did not know that the course addressed civic topics	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
10. I am interested in the Food for Thought ILS Cluster 9	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree

Pre-Test Part Seven - Fall

Please tell us why you are taking this course. (please circle your response)

1. I have a good understanding of the chemistry of food	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
2. I have a good understand of how food works in my body	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
3. I have a good understanding of how my food choices impact society	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
4. I have a good understanding of how food production and distribution shapes my food choices.	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree

5. Please list the food issues that interest you most:

1.

2.

3.

Pre-Test Part Seven - Spring

Please tell us why you are taking this course. (please circle your response)

1. I have a good understanding of the chemistry of food	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
2. I have a good understand of how food works in my body	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
3. I have a good understanding of how my food choices impact society	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
4. I have a good understanding of how food production and distribution shapes my food choices.	NA	Strongly disagree	Disagree	Neutral	Agree	Strongly agree

5. Please list the food issues that interest you most:

1.

2.

3.

Pre-Test Part Eight

Please circle your response.

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1. What is your gender?
a. Male
b. Female
c. Other

2. What is your age group?
a. 18 or younger
b. 19-21
c. 22-30
d. 31-40
e. 41-49
f. Over 50

3. What is your ethnic designation?
a. White/Caucasian
b. Black/African American
c. Hispanic or Latino/not White
d. Native American
e. Asian or Pacific Islander
f. Other

4. What best characterizes your status as having selected a discipline-based major in college? (check all that apply if you are considering a double major)
a. Science major
b. Social science major
c. Humanities major
d. Undecided at this time.

5. What level are you at in college?
a. Freshman
b. Sophomore
c. Junior
d. Senior
e. Post-graduate
f. Not a degree-seeking student at this time

6. Are you in a teacher preparation program?
a. Yes
b. No
c. Undecided at this time.

7. What is your current GPA in a system that assumes a 4.00 as an A (highest score possible)?
a. 4.00-3.60
b. 3.01-3.59
c. 2.51-3.00
d. 2.01-2.50
e. 2.00 or lower

8. How many college-level natural science (these might include biology, physics, chemistry, mathematics and engineering, for example) **courses have you enrolled in so far (Include courses you are enrolled in this semester)?**
a. One science course
b. Two or three science courses
c. Four to five science courses
d. Six to seven science courses
e. More than eight science courses

Post-Test Part One = same as Pre-Test Part One

Post-Test Part Two = same as Pre-Test Part Two (all disciplines)

Post-Test Part Three = same as Pre-Test Part Three

Post-Test Part Four = same as Pre-Test Part Four (all disciplines)

Post-Test Part Five = same as Pre-Test Part Five

Post-Test Part Six = same as Pre-Test Part Six

Post-Test Part Seven = same as Pre-Test Part Seven (spring and fall)

Post-Test Part Eight

HOW MUCH did each of the following aspects HELP YOUR LEARNING?

Overall: (please circle your response)

1. The way in which the material was approached	NA	No Help	A little help	Moderate help	Much help	Very much help
2. How the class activities, labs, reading, and assignments fit together	NA	No Help	A little help	Moderate help	Much help	Very much help
3. The pace at which we worked	NA	No Help	A little help	Moderate help	Much help	Very much help
4. The way this course was taught overall	NA	No Help	A little help	Moderate help	Much help	Very much help