Transparency in Learning and Teaching in Higher Education Project

Survey Questions

PRE-SURVEY (administered during the first 1-2 weeks that classes meet)

How much do you agree with each of the following statements?
Response options: Not at all, A little, A moderate amount, Very much

1. I am able to apply the things I have learned to new problems and situations.
2. I am capable of learning effectively on my own.
3. I can express my ideas effectively when I write.
4. I can judge the reliability of information from various sources.
5. I can easily connect information from multiple sources.
6. I can collaborate well with others on assigned work
7. I feel that I am a member of this school's community.
8. I feel a sense of belonging at this school.
9. I feel I cannot really be myself at this school.
10. I feel proud of belonging to this school.
11. I don't feel I can succeed in school.
12. I am confident in my ability to succeed in school.

POST-SURVEY (administered during last week that classes meet)
The Post-Survey contains the 12 questions above, followed by the questions listed below.

How much do you agree with each of the following statements?
Response options: Not at all, A little, A moderate amount, Very much

13. My instructor provided criteria I could use to assess the quality of my work.
14. In this course, I knew how my work would be evaluated.
15. My instructor discussed examples that showed what good work looks like in practice.
16. In this course, I used examples to improve the quality of my work.
17. My instructor identified a specific learning goal for each assignment.
18. The assignments were clearly related to the learning goals of the course.
19. In this course, I knew the purpose of each assignment.
20. My instructor provided clear instructions for each assignment.
21. In this course, I knew the steps required to complete my assignments.
22. I am satisfied overall with the instructor and this course.
23. The activities and assignments in the course benefited my learning.
24. The instructor for this course values me as a student.

Transparency in Learning and Teaching in Higher Education Project

Survey Questions, continued

25. I feel like I don't belong in this class.
26. The instructor wants me to succeed in this class.
27. I can really be myself in this class.
28. This course helped me feel I am a member of this school's community.
29. This course helped me feel that I can succeed in school.
30. This course helped me to apply the things I have learned to new problems and situations.
31. This course helped me to learn effectively on my own.
32. This course helped me to express my ideas effectively when I write.
33. This course helped me to judge the reliability of information from various sources.
34. This course helped me to connect information from multiple sources.
35. This course helped me to collaborate well with others.

Optional STEM-focused questions:
   36. This course helped me to design experiments or processes to solve a problem
   37. This course helped me to choose methods appropriate to addressing a problem
   38. This course helped me to analyze and interpret data.

M Gmail   **Mary-Ann Winkelmes <mawink@gmail.com>**

IRB Protocol #19096R-E Winkelmes - Modification #9: Exempt Determination

Eric Taft <hrpp-group@brandeis.edu>   Fri, May 6, 2022 at 1:14 PM
To: mawink@gmail.com
Cc: HRPP <hrpp-group@brandeis.edu>

Friday, May 6th, 2022

To: Mary-Ann Winkelmes

From: Eric Taft, Research Integrity Administrator

Re: IRB Protocol #19096R-E Winkelmes: *Transparency in Learning and Teaching in Higher Education Project*
_____
COVID-19 Policy: As a reminder, effective March 19, 2020, and until further notice, the Brandeis IRB has determined that face-to-face research interactions with human subject participants MAY NOT OCCUR without prior IRB approval by way of an Exemption Request.

The HRPP office has deemed Modification #9 to the above-referenced human subjects protocol to be exempt in accordance with 45 CFR 46.104(d) 4.

This action is effective **Friday, May 6th, 2022**.

With this action, the following modifications are approved:

1.   Modification to the TILT Higher Ed online surveys.

If you wish to make modifications that change the nature of, or increase the level of risk to, your approved exempt protocol, please submit a Modification Request to the HRPP office for review. For examples of applicable changes, see the HRPP Modifications page.

When your research, including data analysis, is complete, you must submit a Final Report and Termination Form to the HRPP office so that your protocol file can be closed and archived. Please note that data and analysis must be retained for three years after the date of submission of the Final Report and Termination Form.

Please contact HRPP Administration at hrpp-group@brandeis.edu or 781-736-8133 should you have any questions or require official notification to an outside agency.

Best,
Eric

📄 **19096R-E Winkelmes 2022-05-06 - Modification #9 - Approved.pdf**
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Human Research Protection Program

Modification Request Form

Modification #	**Date Updated**	**Review Status**
9	5/6/2022 5:13 PM	Approved/Determined Exempt

PI Last Name	**IRB Protocol #**
Winkelmes	19096R-E "Transparency in Learning and Teaching in Higher Education Project"

Project Detail

Project Title
Transparency in Learning and Teaching in Higher Education Project

PI Name
Mary-Ann Winkelmes

PI Department	**PI Phone**	**PI Email**

Supervised Researcher Name

Supervised Researcher Status	**Supervised Researcher Phone**	**Supervised Researcher Email**

Estimated Level of Risk	**Anticipated Start Date**	**Anticipated End Analysis Date**

NIH Clinical Trial	**Funding Status**

Sponsor	**Sponsor ID**	**Grant PI**

Grant Title

1. Changes in Risk Level

This modification changes the estimated level of risk.
No

2. Changes in Personnel

New personnel will be added to this protocol.
No

Personnel will be leaving this protocol.
No

Principal investigator will be changing.
No

3. Changes in Agencies

A new facility/agency will be involved in the research activities.
No

The Initial Protocol Application for this protocol lists _ as the funder. If this is no longer accurate, please update the funding information here.

A new funding agency will be involved in the research activities.
No

4. Modification to Study Description

Describe and justify proposed modification. Include a discussion of the effects on the risks and benefits to the subjects and the procedures that will be taken to manage the risk(s).
We propose 5 changes to the TILT Higher Ed online surveys. These are based on factor analysis conducted in fall and spring of 2022, that aimed to reduce the survey's length and improve the validity and reliability of survey items. The remaining items are parallel to existing survey items. The information and consent processes for the surveys remain unchanged. The only changes are to items on the surveys.

There are 5 changes:
1.   Convert questions to statements and ask, "How much do you agree with each of the following statements?"
2.   Use one consistent response scale: Not at all, A little, A moderate amount, Very much
3.   Delete questions that factor analysis demonstrated are not meaningful. (Deleted questions are highlighted in grey.)
4.   Edit questions to incorporate more precise language.
5.   Add two belonging items and two confidence items that align closely with belonging and confidence questions in other higher education surveys (to allow for benchmarking).

New or revised consent forms are attached, with changes highlighted.
No

New or revised study instruments are attached, with changes highlighted.
Yes

Attach one additional master copy of each for file.

New or revised recruitment materials are attached, with changes highlighted.
No

5. Signatures

By signing this form I certify that:

- *The information I have provided on this form is true, complete, and accurate*

- *I am familiar with and agree to abide by all relevant Federal guidelines and Brandeis University policies relating to this research*

- *I will only perform research that is approved by the IRB and not deviate in any way from this protocol without prior approval*

Supervised Researcher   **Date**

My signature below verifies that this Modification Request meets with department approval and is in compliance with procedures and/or regulations designed to protect human subjects. I understand and agree to my duties and responsibilities as Faculty/Staff Sponsor for this research.

Principal Investigator   **Date**
5/3/2022

Mary-Ann Winkelmes

Transparency in Learning and Teaching in Higher Education Project

Pre-Survey and End-of-Term Survey Questions

We propose 5 changes to the TILT Higher Ed online surveys. These are based on factor analysis conducted in fall and spring of 2022, that aimed to reduce the survey's length and improve the validity and reliability of survey items. The remaining items are parallel to existing survey items. The information and consent processes for the surveys remain unchanged. The only changes are to items on the surveys.

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4. Edit questions to incorporate more precise language.
5. Add two belonging items and two confidence items that align closely with belonging and confidence questions in other higher education surveys (to allow for benchmarking).

A clean copy of the survey precedes the marked up copy.

Transparency in Learning and Teaching in Higher Education Project

Survey Questions

PRE-SURVEY (administered during the first 1-2 weeks that classes meet)

How much do you agree with each of the following statements?
Response options: Not at all, A little, A moderate amount, Very much

1. I am able to apply the things I have learned to new problems and situations.
2. I am capable of learning effectively on my own.
3. I can express my ideas effectively when I write.
4. I can judge the reliability of information from various sources.
5. I can easily connect information from multiple sources.
6. I can collaborate well with others on assigned work
7. I feel that I am a member of this school's community.
8. I feel a sense of belonging at this school.
9. I feel I cannot really be myself at this school.
10. I feel proud of belonging to this school.
11. I don't feel I can succeed in school.
12. I am confident in my ability to succeed in school.

POST-SURVEY (administered during last week that classes meet)
The Post-Survey contains the 12 questions above, followed by the questions listed below.

How much do you agree with each of the following statements?
Response options: Not at all, A little, A moderate amount, Very much

13. My instructor provided criteria I could use to assess the quality of my work.
14. In this course, I knew how my work would be evaluated.
15. My instructor discussed examples that showed what good work looks like in practice.
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Optional STEM-focused questions:
36. This course helped me to design experiments or processes to solve a problem
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TILT Higher Ed
Transparency in Learning and Teaching

MARKED UP COPY INDICATING LINE-BY-LINE EDITS

Transparency in Learning and Teaching in Higher Education Project

Survey Questions

Red = proposed edits

~~Grey with strikethrough~~ = proposed deletions

PRE-SURVEY (administered during first 1-2 weeks of the term):

13. I can express my ideas effectively when I write.

14. ~~I can communicate effectively when I speak.~~

15. I collaborate well with others on assigned ~~academic~~ work.

16. ~~I am good at breaking down theories, ideas and experiences into pieces so I can consider them.~~

17. I can easily connect ~~When I am given~~ information from multiple sources~~, I have an easy time making connections between them~~.

18. I am able to apply the things I have learned to new problems and situations.

19. ~~I tend to consider the ethical implications of my actions.~~

20. I am capable of learning effectively on my own.
    Response options: ~~Never, Sometimes, Often, Always~~ *Not at all, A little, A moderate amount, Very much*

31. I am confident in my ~~Please rate your confidence about your~~ ability to succeed in school.

30. ~~Please rate your confidence about your ability to succeed in this field. Response options: Low, Moderate, High~~

4 new Pre-survey questions about confidence and belonging, aligned with benchmark surveys.

- I feel a sense of belonging at this school.
- I feel I cannot really be myself at this school.
- I feel proud of belonging to this school.
- I don't feel I can succeed in school.

POST-SURVEY (administered during last week that classes meet)

The Post-Survey contains the pre-survey questions above and those listed below.

1. ~~How well do you understand the content of this course?~~

2. ~~How accurately does your submitted work for the course (including exams/quizzes) reflect your understanding of the course content?~~

3. ~~Did~~ The coursework and course activities benefit~~ed~~ my ~~your~~ learning.~~?~~

TILT Higher Ed
Transparency in Learning and Teaching

~~of this course? Not likely, Slightly likely, Moderately likely, very likely, Extremely likely~~

~~33. How well do you understand what constitutes successful work in this course? Not well at all, Slightly well, Moderately well, Very well, Extremely well~~

~~34. How much did class meetings incorporate the students suggestions and interests? Not at all, A little, A moderate amount, A lot, A great deal~~

35. ~~How much did~~ The instructor of this course value~~d~~s me ~~you~~ as a student.~~?~~
Not at all, A little, A moderate amount, A lot, ~~A great deal~~ Very much

36. In this course, I knew the purpose of each assignment.

~~37. Each assignment included a section that explained how the assignment was related to the objectives of the course.~~

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~~40. Each assignments included a detailed set of instructions for completing it.~~

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44. My instructor provided ~~tools~~ criteria I could use to assess the quality of my ~~and others~~ work. Response options: ~~Never, Sometimes, Often, Always~~ *Not at all, A little, A moderate amount, Very much*

45. ~~How much has~~ This course helped ~~you in~~ me to design~~ing~~ experiments or processes to solve a problem~~?~~

46. ~~How much has~~ This course helped ~~you in~~ me to analyz~~ing~~ and interpret~~ing~~ data ~~and/or problems?~~

47. ~~How much has~~ This course helped ~~you~~ me to ~~in~~ choos~~ing~~ methods appropriate to addressing ~~solving~~ a problem~~?~~ Response options:Not at all, A little, A moderate amount, A lot, ~~A great deal~~ Very much

48. I feel that I am a member of my school's community: Response options: ~~Never, Sometimes, Often, Always~~ *Not at all, A little, A moderate amount, Very much*

49. How much has this course helped you to feel that you are a member of your school's community? Response options: Not at all, A little, A moderate amount, A lot, ~~A great deal~~ Very much

Brandeis
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Human Research Protection Program

Modification Request Form

Modification #	**Date Updated**	**Review Status**
9	5/6/2022 5:13 PM	Approved/Determined Exempt

PI Last Name	**IRB Protocol #**
Winkelmes	19096R-E "Transparency in Learning and Teaching in Higher Education Project"

Project Detail

Project Title
Transparency in Learning and Teaching in Higher Education Project

PI Name
Mary-Ann Winkelmes

PI Department	**PI Phone**	**PI Email**

Supervised Researcher Name

Supervised Researcher Status	**Supervised Researcher Phone**	**Supervised Researcher Email**

Estimated Level of Risk	**Anticipated Start Date**	**Anticipated End Analysis Date**

NIH Clinical Trial	**Funding Status**

Sponsor	**Sponsor ID**	**Grant PI**

Grant Title

1. Changes in Risk Level

This modification changes the estimated level of risk.
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New personnel will be added to this protocol.
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Supervised Researcher   **Date**

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Principal Investigator   **Date**
                                                                                              5/3/2022

Mary-Ann Winkelmes

TILT Higher Ed
Transparency in Learning and Teaching

Transparency in Learning and Teaching in Higher Education Project

Pre-Survey and End-of-Term Survey Questions

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Transparency in Learning and Teaching in Higher Education Project

Survey Questions

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37. This course helped me to choose methods appropriate to addressing a problem
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MARKED UP COPY INDICATING LINE-BY-LINE EDITS

Transparency in Learning and Teaching in Higher Education Project

Survey Questions

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PRE-SURVEY (administered during first 1-2 weeks of the term):

13. I can express my ideas effectively when I write.

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16. ~~I am good at breaking down theories, ideas and experiences into pieces so I can consider them.~~

17. I can easily connect ~~When I am given~~ information from multiple sources~~, I have an easy time making connections between them~~.

18. I am able to apply the things I have learned to new problems and situations.

19. ~~I tend to consider the ethical implications of my actions.~~

20. I am capable of learning effectively on my own.

  Response options: ~~Never, Sometimes, Often, Always~~ *Not at all, A little, A moderate amount, Very much*

31. I am confident in my ~~Please rate your confidence about your~~ ability to succeed in school.

30. ~~Please rate your confidence about your ability to succeed in this field. Response options: Low, Moderate, High~~

4 new Pre-survey questions about confidence and belonging, aligned with benchmark surveys.

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- I don't feel I can succeed in school.

POST-SURVEY (administered during last week that classes meet)

The Post-Survey contains the pre-survey questions above and those listed below.

1. ~~How well do you understand the content of this course?~~

2. ~~How accurately does your submitted work for the course (including exams/quizzes) reflect your understanding of the course content?~~

3. ~~Did~~ The coursework and course activities benefit~~ed~~ my ~~your~~ learning.~~?~~

4. ~~How much has~~ This course helped ~~you in writing effectively?~~ me to express my ideas effectively when I write.

5. ~~How much has this course helped you in communicating your ideas effectively in your spoken statements?~~

6. ~~How much has~~ This course helped me ~~you in~~ to collaborat~~eing effectively~~well with others~~?~~

7. ~~Question 7 is intentionally skipped.~~

8. I can judge the reliability of information from various sources.

9. ~~How much has this course helped you in improving your ability to separate and examine the pieces of an idea, experience, or theory?~~

10. ~~How much has~~ This course helped ~~you in learning how~~ me to connect information from a variety of sources~~?~~

11. ~~How much has~~ This course helped ~~you in learning how~~ me to apply concepts to practical problems or in new situations~~?~~

12. ~~How much has this course helped you in considering the ethical implications of your actions?~~

13. ~~How much has~~ This course helped me ~~in improving your ability~~ to learn effectively on ~~your~~ my own.~~?~~ Response options: ~~Not at all, A little, A moderate amount, A lot, A great deal~~ *Not at all, A little, A moderate amount, Very much*

21. As a result of taking this course are you more or less likely to consider opinions or points of view different from your own or has the course made no difference?
    Response options Much less likely, Somewhat less likely, No difference, Somewhat more likely, Much more likely

22. As a result of taking this course are you a better or worse judge of the strength and weaknesses of ideas, or has the course made no difference?

23. As a result of taking this course are you a better or worse judge of how well a group discussion has met its goals, or has the course made no difference?

24. ~~As a result of taking~~ This course helped me to ~~are you a better or worse~~ judge ~~of~~ the reliability of information from various sources. ~~or has the course made no difference?~~
    Response options: *Not at all, A little, A moderate amount, Very much* ~~Much worse, Somewhat worse, No difference, Somewhat Better, Much Better~~

25. ~~As a result of taking this course are you more or less confident about your~~ I am confident in my ability to succeed in school.~~, or has the course made no difference?~~

26. ~~As a results of taking this course are you more or less confident about your ability to succeed in this field, or has the course made no difference?~~
    ~~Response options: Much less confident, somewhat less confident, No difference, Somewhat more confident, Much more confident.~~

27. ~~As a result of taking this course are you better or worse at recognizing when you need help with your academic work, or has the course made no difference?~~
    ~~*Not at all, A little, A moderate amount, Very much* Much worse, Somewhat worse, No difference, Somewhat Better, Much Better~~

28. ~~As a result of taking this course are you more or less likely to discuss ideas from your courses, outside of class with others such as students, family members, or co-workers, or has the course made no difference?~~

29. ~~As a result of taking this course are you more or less likely to ask future instructor about how coursework and course activities benefits your learning, or has the course made no difference?~~
    ~~Response options: Much worse, Somewhat worse, No difference, Somewhat Better, Much Better~~

32. ~~Are you likely to apply knowledge and skills you gained from this course in contexts outside~~

~~of this course? Not likely, Slightly likely, Moderately likely, very likely, Extremely likely~~

33. ~~How well do you understand what constitutes successful work in this course? Not well at all, Slightly well, Moderately well, Very well, Extremely well~~

34. ~~How much did class meetings incorporate the students suggestions and interests? Not at all, A little, A moderate amount, A lot, A great deal~~

35. ~~How much did~~ The instructor of this course value~~d~~s me ~~you~~ as a student.~~?~~
    Not at all, A little, A moderate amount, A lot, ~~A great deal~~ Very much

36. In this course, I knew the purpose of each assignment.

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49. How much has this course helped you to feel that you are a member of your school's community? Response options: Not at all, A little, A moderate amount, A lot, ~~A great deal~~ Very much

Modification Request Form

Modification #	Date Updated	Review Status
9	5/6/2022 5:13 PM	Approved/Determined Exempt

PI Last Name	IRB Protocol #
Winkelmes	19096R-E "Transparency in Learning and Teaching in Higher Education Project"

Project Detail

Project Title
Transparency in Learning and Teaching in Higher Education Project

PI Name
Mary-Ann Winkelmes

PI Department	PI Phone	PI Email

Supervised Researcher Name

Supervised Researcher Status	Supervised Researcher Phone	Supervised Researcher Email

Estimated Level of Risk	Anticipated Start Date	Anticipated End Analysis Date

NIH Clinical Trial	Funding Status

Sponsor	Sponsor ID	Grant PI

Grant Title

1. Changes in Risk Level

This modification changes the estimated level of risk.
No

2. Changes in Personnel

New personnel will be added to this protocol.
No

Personnel will be leaving this protocol.
No

Principal investigator will be changing.
No

3. Changes in Agencies

A new facility/agency will be involved in the research activities.
No

The Initial Protocol Application for this protocol lists _ as the funder. If this is no longer accurate, please update the funding information here.

A new funding agency will be involved in the research activities.
No

4. Modification to Study Description

Describe and justify proposed modification. Include a discussion of the effects on the risks and benefits to the subjects and the procedures that will be taken to manage the risk(s).
We propose 5 changes to the TILT Higher Ed online surveys. These are based on factor analysis conducted in fall and spring of 2022, that aimed to reduce the survey's length and improve the validity and reliability of survey items. The remaining items are parallel to existing survey items. The information and consent processes for the surveys remain unchanged. The only changes are to items on the surveys.

There are 5 changes:
1.	Convert questions to statements and ask, "How much do you agree with each of the following statements?"
2.	Use one consistent response scale: Not at all, A little, A moderate amount, Very much
3.	Delete questions that factor analysis demonstrated are not meaningful. (Deleted questions are highlighted in grey.)
4.	Edit questions to incorporate more precise language.
5.	Add two belonging items and two confidence items that align closely with belonging and confidence questions in other higher education surveys (to allow for benchmarking).

New or revised consent forms are attached, with changes highlighted.
No

New or revised study instruments are attached, with changes highlighted.
Yes

Attach one additional master copy of each for file.

New or revised recruitment materials are attached, with changes highlighted.
No

5. Signatures

By signing this form I certify that:

- *The information I have provided on this form is true, complete, and accurate*

- *I am familiar with and agree to abide by all relevant Federal guidelines and Brandeis University policies relating to this research*

- *I will only perform research that is approved by the IRB and not deviate in any way from this protocol without prior approval*

Supervised Researcher   **Date**

My signature below verifies that this Modification Request meets with department approval and is in compliance with procedures and/or regulations designed to protect human subjects. I understand and agree to my duties and responsibilities as Faculty/Staff Sponsor for this research.

Principal Investigator   **Date**
                                                                                                          5/3/2022

Mary-Ann Winkelmes

TILT Higher Ed
Transparency in Learning and Teaching

Transparency in Learning and Teaching in Higher Education Project

Pre-Survey and End-of-Term Survey Questions

We propose 5 changes to the TILT Higher Ed online surveys. These are based on factor analysis conducted in fall and spring of 2022, that aimed to reduce the survey's length and improve the validity and reliability of survey items. The remaining items are parallel to existing survey items. The information and consent processes for the surveys remain unchanged. The only changes are to items on the surveys.

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A clean copy of the survey precedes the marked up copy.

Transparency in Learning and Teaching in Higher Education Project

Survey Questions

PRE-SURVEY (administered during the first 1-2 weeks that classes meet)

How much do you agree with each of the following statements?
Response options: Not at all, A little, A moderate amount, Very much

1. I am able to apply the things I have learned to new problems and situations.
2. I am capable of learning effectively on my own.
3. I can express my ideas effectively when I write.
4. I can judge the reliability of information from various sources.
5. I can easily connect information from multiple sources.
6. I can collaborate well with others on assigned work
7. I feel that I am a member of this school's community.
8. I feel a sense of belonging at this school.
9. I feel I cannot really be myself at this school.
10. I feel proud of belonging to this school.
11. I don't feel I can succeed in school.
12. I am confident in my ability to succeed in school.

POST-SURVEY (administered during last week that classes meet)
The Post-Survey contains the 12 questions above, followed by the questions listed below.

How much do you agree with each of the following statements?
Response options: Not at all, A little, A moderate amount, Very much

13. My instructor provided criteria I could use to assess the quality of my work.
14. In this course, I knew how my work would be evaluated.
15. My instructor discussed examples that showed what good work looks like in practice.
16. In this course, I used examples to improve the quality of my work.
17. My instructor identified a specific learning goal for each assignment.
18. The assignments were clearly related to the learning goals of the course.
19. In this course, I knew the purpose of each assignment.
20. My instructor provided clear instructions for each assignment.
21. In this course, I knew the steps required to complete my assignments.
22. I am satisfied overall with the instructor and this course.
23. The activities and assignments in the course benefited my learning.
24. The instructor for this course values me as a student.
25. I feel like I don't belong in this class.
26. The instructor wants me to succeed in this class.
27. I can really be myself in this class.
28. This course helped me feel I am a member of this school's community.
29. This course helped me feel that I can succeed in school.
30. This course helped me to apply the things I have learned to new problems and situations.
31. This course helped me to learn effectively on my own.
32. This course helped me to express my ideas effectively when I write.
33. This course helped me to judge the reliability of information from various sources.
34. This course helped me to connect information from multiple sources.
35. This course helped me to collaborate well with others.

Optional STEM-focused questions:
36. This course helped me to design experiments or processes to solve a problem
37. This course helped me to choose methods appropriate to addressing a problem
38. This course helped me to analyze and interpret data.

MARKED UP COPY INDICATING LINE-BY-LINE EDITS

Transparency in Learning and Teaching in Higher Education Project

Survey Questions

Red = proposed edits

~~Grey with strikethrough~~ = proposed deletions

PRE-SURVEY (administered during first 1-2 weeks of the term):

13. I can express my ideas effectively when I write.

14. ~~I can communicate effectively when I speak.~~

15. I collaborate well with others on assigned ~~academic~~ work.

16. ~~I am good at breaking down theories, ideas and experiences into pieces so I can consider them.~~

17. I can easily connect ~~When I am given~~ information from multiple sources~~, I have an easy time making connections between them~~.

18. I am able to apply the things I have learned to new problems and situations.

19. ~~I tend to consider the ethical implications of my actions.~~

20. I am capable of learning effectively on my own.
    Response options: ~~Never, Sometimes, Often, Always~~ *Not at all, A little, A moderate amount, Very much*

31. I am confident in my ~~Please rate your confidence about your~~ ability to succeed in school.

30. ~~Please rate your confidence about your ability to succeed in this field. Response options: Low, Moderate, High~~

4 new Pre-survey questions about confidence and belonging, aligned with benchmark surveys.

- I feel a sense of belonging at this school.
- I feel I cannot really be myself at this school.
- I feel proud of belonging to this school.
- I don't feel I can succeed in school.

POST-SURVEY (administered during last week that classes meet)

The Post-Survey contains the pre-survey questions above and those listed below.

1. ~~How well do you understand the content of this course?~~

2. ~~How accurately does your submitted work for the course (including exams/quizzes) reflect your understanding of the course content?~~

3. ~~Did~~ The coursework and course activities benefited my ~~your~~ learning.~~?~~

4. ~~How much has~~ This course helped ~~you in writing effectively?~~ me to express my ideas effectively when I write.

5. ~~How much has this course helped you in communicating your ideas effectively in your spoken statements?~~

6. ~~How much has~~ This course helped me ~~you in~~ to collaborat~~eing effectively~~well with others~~?~~

7. ~~Question 7 is intentionally skipped.~~

8. I can judge the reliability of information from various sources.

9. ~~How much has this course helped you in improving your ability to separate and examine the pieces of an idea, experience, or theory?~~

10. ~~How much has~~ This course helped ~~you in learning how~~ me to connect information from a variety of sources~~?~~

11. ~~How much has~~ This course helped ~~you in learning how~~ me to apply concepts to practical problems or in new situations~~?~~

12. ~~How much has this course helped you in considering the ethical implications of your actions?~~

13. ~~How much has~~ This course helped me ~~in improving your ability~~ to learn effectively on ~~your~~ my own.~~?~~ Response options: ~~Not at all, A little, A moderate amount, A lot, A great deal~~ *Not at all, A little, A moderate amount, Very much*

21. As a result of taking this course are you more or less likely to consider opinions or points of view different from your own or has the course made no difference?
    Response options Much less likely, Somewhat less likely, No difference, Somewhat more likely, Much more likely

22. As a result of taking this course are you a better or worse judge of the strength and weaknesses of ideas, or has the course made no difference?

23. As a result of taking this course are you a better or worse judge of how well a group discussion has met its goals, or has the course made no difference?

24. ~~As a result of taking~~ This course helped me to ~~are you a better or worse~~ judge ~~of~~ the reliability of information from various sources. ~~or has the course made no difference?~~
    Response options: *Not at all, A little, A moderate amount, Very much* ~~Much worse, Somewhat worse, No difference, Somewhat Better, Much Better~~

25. ~~As a result of taking this course are you more or less confident about your~~ I am confident in my ability to succeed in school.~~, or has the course made no difference?~~

26. ~~As a results of taking this course are you more or less confident about your ability to succeed in this field, or has the course made no difference?~~
    ~~Response options: Much less confident, somewhat less confident, No difference, Somewhat more confident, Much more confident.~~

27. ~~As a result of taking this course are you better or worse at recognizing when you need help with your academic work, or has the course made no difference?~~
    Not at all, A little, A moderate amount, Very much ~~Much worse, Somewhat worse, No difference, Somewhat Better, Much Better~~

28. ~~As a result of taking this course are you more or less likely to discuss ideas from your courses, outside of class with others such as students, family members, or co-workers, or has the course made no difference?~~

29. ~~As a result of taking this course are you more or less likely to ask future instructor about how coursework and course activities benefits your learning, or has the course made no difference?~~
    ~~Response options: Much worse, Somewhat worse, No difference, Somewhat Better, Much Better~~

32. ~~Are you likely to apply knowledge and skills you gained from this course in contexts outside~~

of this course? Not likely, Slightly likely, Moderately likely, very likely, Extremely likely

33. How well do you understand what constitutes successful work in this course? Not well at all, Slightly well, Moderately well, Very well, Extremely well

34. How much did class meetings incorporate the students suggestions and interests? Not at all, A little, A moderate amount, A lot, A great deal

35. How much did The instructor of this course values me you as a student.?
    Not at all, A little, A moderate amount, A lot, A great deal Very much

36. In this course, I knew the purpose of each assignment.

37. Each assignment included a section that explained how the assignment was related to the objectives of the course.

38. My instructor identified a specific learning goal for each assignment.

39. In this course, I knew the steps required to complete my assignments.

40. Each assignments included a detailed set of instructions for completing it.

41. My instructor provided clear instructions detailed directions for each assignment learning activity that was assigned.

42. In this course, I knew how my work would be evaluated.

43. My instructor provided students with annotated discussed examples of past students that show what good work looks like in practice.

44. My instructor provided tools criteria I could use to assess the quality of my and others work.
    Response options: Never, Sometimes, Often, Always Not at all, A little, A moderate amount, Very much

45. How much has This course helped you in me to designing experiments or processes to solve a problem?

46. How much has This course helped you in me to analyzeing and interpreting data and/or problems?

47. How much has This course helped you me to in chooseing methods appropriate to addressing solving a problem? Response options:Not at all, A little, A moderate amount, A lot, A great deal Very much

48. I feel that I am a member of my school's community: Response options: Never, Sometimes, Often, Always Not at all, A little, A moderate amount, Very much

49. How much has this course helped you to feel that you are a member of your school's community? Response options: Not at all, A little, A moderate amount, A lot, A great deal Very much