NORTHEASTERN STATE UNIVERSITY
Institutional Review Board

INSTITUTIONAL REVIEW BOARD APPLICATION

IRB #

If you would like to consult an IRB committee member about your application before submitting it, the following members are available during their office hours:
Dr. Ernst Bekkering and Dr. Vanessa Anton
Prior to completing this application, please review the NSU IRB Policies & Procedures at http://arapaho.nsuok.edu/~irb .

For IRB use only: ___ Exempt ___ Expedited ___ Full Board Review

Comment [SJS1]: Every research project at NSU that involves human subjects must be approved by the Institutional Review Board (IRB) before the researcher begins the project. The first step in the approval process is for the researcher to fill out the IRB Application and submit the application to the IRB for review. Recall that there are three levels of review, determined by the potential risk to the participants and whether the participants belong to a potentially vulnerable population.

Project Title:

The Effects of Traditional Classroom Lecture and Online Learning on Confidence Levels

**Note: The project title should be consistent with the title used in the consent document(s).*

PART I - INVESTIGATOR and KEY RESEARCH PERSONNEL

Comment [SJS2]: All members of the research team and their contact information must be listed in Part I.

1) PRINCIPAL INVESTIGATOR (PI)/CONTACT			
Name:	**Jennifer Ford**	__Dr. __Mr. _X_ Ms. __ Mrs.	
Investigator Status:	__ Faculty _X_ Graduate Student __ Undergraduate __Optometry Student __ Other: _____		
E-mail Address:	**ford12@nsuok.edu**		
College/Department:	**College of Education**		
Preferred Mailing Address:	**Preferred work or home address**		
	City:	**State: OK**	**Zip: XXXXX**
Daytime Phone:	**918-XXX-XXXX**		

Comment [SJS3]: The principal investigator (PI) assumes primary responsibility for the project. Use your NSU e-mail address for all correspondence with the IRB. Enter your preferred address and phone number.

Comment [SJS4]: The IRB chair will communicate with investigators via your NSU e-mail accounts.

2) FACULTY SPONSOR OR CO-INVESTIGATOR *(if applicable)*			
Name:	**Sophia Sweeney**	_X_ Dr. __Mr. __ Ms. __ Mrs.	
Investigator Status:	_X_ Faculty Sponsor	Co-investigator: __Faculty __ Graduate Student __ Undergraduate __Optometry Student __ Other: _____	
E-mail Address:	**Sweeney@nsuok.edu**		
College/Department:	**Educational Foundations and Leadership**		
Preferred Mailing Address:	**Bagley Hall 214-B, Northeastern State University**		
	City: Tahlequah	**State: OK**	**Zip: 74464**
Daytime Phone:	**918-444-3739**		
If more space is needed to list additional co- investigators please copy and paste this section.			

Comment [SJS5]: If the PI is a student, he or she MUST be supervised by a faculty sponsor. The faculty sponsor is the course instructor for course projects or the thesis or capstone advisor.

ADDITIONAL CO-INVESTIGATOR *(if applicable)*			
Name:			__Dr. __Mr. __Ms.
Investigator Status:	__Faculty Sponsor	Co-investigator: __Faculty __ Graduate Student __ Undergraduate __Optometry Student __ Other:_____	
E-mail Address:			
College/Department:			
Preferred Mailing Address:			
	City:	**State:**	**Zip:**
Daytime Phone:			

Please be aware that the IRB will only consider applications that all investigators, and, if applicable, the Faculty Sponsor have signed on the signature page at the end of the document.

PART II – FUNDING INFORMATION

Comment [SJS6]: Complete Part II if your project is funded by a grant or other funding source and attach a copy of the proposal.

1) Check all of the appropriate boxes of funding sources for this research. Include pending funding source(s).

__University	__College:_____	__State	__ Federal
__ Other: _____			_x_ N/A

P.I. of Grant or Contract:	
Sponsor:	
Contract/Grant No. *(if available)*:	
Contract/Grant Title:	

Please attach one complete copy of the proposal submitted to the sponsor. Submission of your grant application is a regulatory requirement and will be maintained for the record with your application. ***You must submit all necessary documentation for this application, such as consent forms and survey questionnaires, in addition to the copy of the grant, even if those forms are included in the grant application.***

PART III – ADMINISTRATIVE DATA

RESEARCH **MUST NOT BE INITIATED** UNTIL YOU RECEIVE AN APPROVAL LETTER FROM THE IRB
If you are notified that your application has been evaluated as acceptable contingent on certain changes, you must not start data collection until you have submitted the requested changes and received notification that the revised application has been fully approved. Starting data collection before receiving documentation of study approval constitutes research misconduct as defined in the university policies.

Comment [SJS7]: Read this section carefully!

1) **Proposed start date:** _____ or ___X___ upon IRB approval

2) Please check the **most appropriate** box.

X Course Project (student)	__ Thesis (student)	__ Capstone (student)
__ Honors Project (student)	__ Research Project (faculty)	__Optometry Project

Approvals will be granted for up to one year. After this time, apply for an extension by email to **irb@nsuok.edu**. Records will be retained until five years after last approval end date.

3) Will **medical clearance or screening** be necessary for subject recruitment because of inclusion or exclusion criteria, administration of substances such as food or drugs, or physical exercise conditioning? No_X_ Yes __
If yes, explain how clearance will be obtained. If a screening instrument will be used, please attach a copy to the application, or copy the text of the instrument in the box below.

4) **Study Sites:**

__NSU-Tahlequah __NSU-Broken Arrow	__NSU-Muskogee _X_ Other: Northeast Technology Center, Pryor, OK

5) **Potentially Vulnerable Populations :**
Please check any groups included in the study. Inclusion of any group below requires full board review):

_X_Children (under 18 years of age) __Pregnant Women __Elderly (65 & older) __Psychologically Impaired	__Cognitively Impaired __Prisoners __Native American Tribes and/or Tribal Organizations _X_Students enrolled in a class in which the instructor is an investigator in the study

6) **Other Institutional or External Oversight** *(if applicable):*
Check the items listed below that apply to this research project:

__NSUOCO (Optometry) Student Projects Committee
__Cherokee Nation IRB
__IHS Oklahoma Area Office IRB
__Other institutional oversight committee_____

Note: This information may be forwarded to the appropriate University personnel and/or committee(s).

7) **Conflict of Interest**
Is there any potential or perceived conflict of interest between the researcher, sponsor and/or Northeastern State University associated with this study? No_X_ Yes __
If yes, please explain: _____

Please refer to NSU IRB Policies on Conflict of Interest. Additional information may be requested by the IRB Board.

Comment [SJS8]: Be aware that projects are automatically approved for one year, and that the PI can request a one-year extension.

Comment [SJS10]: Check the box that applies to you and complete the relevant information.

Comment [SJS11]: Indicate the location of your potential participants--*not* your home campus.

Comment [SJS12]: Review the groups carefully, and select all that apply. The study population is an important factor in determining the level of review. When any of these potentially vulnerable populations are the *focus* of the study, the project must undergo a review by the full board at the monthly meeting.

Comment [SJS13]: Review and select if applicable.

Comment [SJS14]: Most likely "No." Contact the IRB Chair if you have questions or concerns.

PART IV – SUMMARY OF STUDY ACTIVITIES

Submission of a copy of a grant application does not replace completion of this form. Please respond to each item. Incomplete forms will be returned.

1) *Provide* background information for the study in the box below, including the objective of the proposed research, purpose, research question, hypothesis and any other relevant information.

The purpose of this study is to determine if increasing students' confidence level during an anatomy and physiology course will affect competency test scores.

The research questions guiding this study follow:
What are the effects of an online anatomy and physiology course versus a traditional lecture-taught anatomy and physiology course on high school pre-nursing students' confidence level?

How will increasing pre-nursing students' confidence level during the anatomy and physiology course affect competency test scores?

2) Describe the research design of the study in the box below.

High school seniors, enrolled in a pre-nursing class, will be invited to participate in a survey research project. The experimental group of students will consist of those enrolled in an online anatomy and physiology (A&P) course and the comparison group will be taught A&P using a traditional teacher-lecture method. The curriculum and objectives will be identical. Students will also be given a questionnaire that will measure confidence levels during the course. The scores from the questionnaire will be compared between the two groups. Students in both groups will take identical competency tests. At the end of the course, the final competency test grades of the two groups will be compared using a dependent t-test.

3) Describe the tasks that participants will be asked to perform in the box below. Include a step-by-step description of the procedures you plan to use with your subjects. Provide the approximate duration of subject participation for each procedure. If data collection instruments will be used, indicate the time necessary to complete them, and the frequency and method of administration, such as telephone, mail, or face-to-face interview.

This study will be conducted at Northeast Technology Center in Pryor, Oklahoma. The participants will be the primary investigator's own Pre-Nursing students. Morning students will be in one group which will be enrolled in an online A&P course. Afternoon students will be given the A&P class in a traditional instructor lectured design conducted by the primary investigator. At the end of the one-semester A&P course, all students in both groups will take a required competency test. Students will take this test whether they participate in the research or not. Students will have one hour in which to complete the test. Test scores of the research participants will be compared using an independent t-test to identify any significant difference between the online and traditional groups.

The following day, research participants will be given the Motivated Strategies for Learning Questionnaire(MLSQ) (Pintrich & DeGroot, 1990) to measure confidence levels. The questionnaire will be given by another instructor and should take about 5-10 minutes to complete. After completion of the questionnaire, the participants will place the questionnaire in a sealed envelope which will be picked up by the assigned instructor and returned to the

Comment [SJS15]: Write a paragraph addressing the required information.

Comment [SJS16]: Applicants tend to be too vague in this section. Notice and address each required element listed in the directions.

Regarding *duration*, you should include the overall time frame in which the participant will be involved in the study as well as the time frame for each task the participant will be asked to perform.

principal investigator. An independent t-test will be used to compare MSLQ scores between the online and traditional groups. A correlational analysis will be used to determine the relationship between motivation and test score.

Pintrich, R. R., & DeGroot, E. V. (1990). Motivational and self-regulated learning components of classroom academic performance, *Journal of Educational Psychology, 82*, 33-40.

Attach a copy of each study document, or copy the text of the document in the box below. This includes all questionnaires, surveys, protocols for interviews, etc.

Motivated Strategies for Learning Questionnaire

Please rate the following items based on your behavior in this class. Your rating should be on a 7-point scale where 1= not at all true of me to 7=very true of me.

1. I prefer class work that is challenging so I can learn new things.
2. Compared with other students in this class I expect to do well
3. I am so nervous during a test that I cannot remember facts I have learned
4. It is important for me to learn what is being taught in this class
5. I like what I am learning in this class
6. I'm certain I can understand the ideas taught in this course
7. I think I will be able to use what I learn in this class in other classes
8. I expect to do very well in this class
9. Compared with others in this class, I think I'm a good student
10. I often choose paper topics I will learn something from even if they require more work
11. I am sure I can do an excellent job on the problems and tasks assigned for this class
12. I have an uneasy, upset feeling when I take a test
13. I think I will receive a good grade in this class
14. Even when I do poorly on a test I try to learn from my mistakes
15. I think that what I am learning in this class is useful for me to know
16. My study skills are excellent compared with others in this class
17. I think that what we are learning in this class is interesting
18. Compared with other students in this class I think I know a great deal about the subject
19. I know that I will be able to learn the material for this class
20. I worry a great deal about tests
21. Understanding this subject is important to me
22. When I take a test I think about how poorly I am doing
23. When I study for a test, I try to put together the information from class and from the book
24. When I do homework, I try to remember what the teacher said in class so I can answer the questions correctly
25. I ask myself questions to make sure I know the material I have been studying
26. It is hard for me to decide what the main ideas are in what I read
27. When work is hard I either give up or study only the easy parts

Comment [SJS17]: Notice this item asks for copies of any study instruments, including questionnaires, interview protocols, tests, etc. Copy and paste the instruments into this box unless you are using multiple instruments or they are very lengthy. In that case, type "see attached" in this box, and paste the instruments to the end of the document. Be sure to note whether the instruments were created by you or are published or commercial instruments. If you created the instruments, describe how you are insuring reliability and validity or trustworthiness.

This sample application does not include a copy of the competency test due to space limitations, but the IRB would require a copy before approving the application.

28. When I study I put important ideas into my own words
29. I always try to understand what the teacher is saying even if it doesn't make sense.
30. When I study for a test I try to remember as many facts as I can
31. When studying, I copy my notes over to help me remember material
32. I work on practice exercises and answer end of chapter questions even when I don't have to
33. Even when study materials are dull and uninteresting, I keep working until I finish
34. When I study for a test I practice saying the important facts over and over to myself

4) Describe the recruitment procedures. Attach a copy of any material used to recruit subjects, or copy the text of those materials in the box below. Materials can include advertisements, hand-outs, telephone scripts, verbal recruitment scripts, cover letters, etc. Explain who will approach potential participants and what will be done to protect the individual's privacy in this process.

Each group of students will be verbally asked to participate in the study by the principal investigator, who is also the course instructor. A Parent Consent Form and Student Consent Form will be sent home with students.

Recruitment script to be read to students: I would like to invite you to participate in a voluntary research project. Your participation in the research project involves you taking a 5-10 minute questionnaire during class time and allowing me permission to compare your answers on the questionnaire to your competency test scores. If you are interested in participating, first you must bring back a Parent Consent Form signed by your parents. Once your parents have given you permission, then you must sign the Student Assent Form, indicating that you want to participate in the research project. Your responses to the questionnaire may help me to improve competency test scores in the A&P and raise the quality of education in our classroom. Your responses to the questionnaire will be confidential and your grade in this course will not be affected by your decision to participate or not participate or you answers on the questionnaire. This envelope contains the Parent Consent Form and Student Assent form for you and your parent or guardian to complete. Please return it to me by the end of next week.

Comment [SJS18]: Be sure to address each element listed in the directions.

Consider explaining the process in chronological order, describing who will approach potential participants first. There are many ways to recruit potential participants, including scripts if you are recruiting people in person, cover letters, advertisements...just be sure to describe your plans thoroughly.

PART V – PRIVACY PROCEDURES

1. Will you record any direct identifiers, names, social security numbers, addresses, telephone numbers, etc? No__ Yes _X_
   If yes, explain why it is necessary to record findings using these identifiers. Describe the coding system you will use to protect against disclosure of these identifiers. Describe how subject identifiers will be maintained or destroyed after the study is completed.
   It is necessary to record information that reveals the participants' identity in this research study because the research will be conducted by the classroom instructor using her own students as participants. Individual student grades and questionnaire results for this research will be kept confidential and locked in investigator's classroom. Informed consent forms will be secured by the principal investigator in a locked file cabinet. The list of participants with the results will be destroyed at the end of the study. Subject identifiers will be destroyed by shredding by the principal investigator after one year.

Comment [SJS19]:

Comment [SJS20]: It is good practice to keep the data and identities on separate documents. If you have a list of names and pseudonyms used , the investigator can easily destroy the list with names and render the study more anonymous at that point.

2. Will you retain a link between the study code numbers and direct identifiers after the data collection is complete? No _X_ Yes __
   If yes, explain why this is necessary and state how long you will keep this link.

3. Will you provide a link or identifier to anyone outside the research team? No _X_ Yes __
   If yes, explain why and to whom. _____

4. Will audio, video, film, or digitally captured data be recorded? No _X_ Yes __
   Please explain how the disposition of the recorded data (tapes/photographs/negatives or digital/electronic media) will be handled. Indicate if recorded data will be erased or destroyed at the conclusion of the study. If you wish to retain the recorded data beyond the conclusion of the study, you must provide justification. Subjects must be informed of the disposition of any recorded data via the informed consent process. _____
   Please clarify how subjects will be identified in audio/video/film/digitally-captured responses. _____

5. Where, how long, and in what format (such as paper, digital or electronic media, video, audio or photographic) will data be kept? Describe what security provisions will be taken to protect this data (password protection, encryption, etc). Finally, specify when and how the data will be destroyed.
   The students' individual A&P test scores will be kept on an online grade book through Evolve by Elsevier publishing. This gradebook is provided by the technology center. The online and traditional-taught groups' individual exam scores will be computer graded and automatically recorded by the online grade book. The grade book will be only be accessed by the principal investigator which requires a username and password. A&P grades will be kept for three years according to Northeast Technology's policies and procedures guidelines in a locked file cabinet. The results of the MSLQ questionnaire will be recorded in a spreadsheet. The file will be kept on a password protected computer, accessible only by the principal investigator. The electronic data and will be destroyed after one year.

6. Will you place a copy of the consent form or other research study information in the participant's medical, personal or educational record? (This information should be clearly explained in the consent document and/or process) No _X_ Yes__
   If yes, explain why this is necessary. _____

7. Will you require a Federal Certificate of Confidentiality? No _X_ Yes __
   If yes, submit documentation of application (and a copy of the Certificate of Confidentiality award if granted) with this application form.
   If the data collected contains information about illegal behavior, visit the NIH Certificates of Confidentiality Kiosk http://grants1.nih.gov/grants/policy/coc for information about obtaining a Federal Certificate of Confidentiality.

8. *Will any record of the subject's participation in this study be made available to his or her supervisor, teacher, or employer?* No__ Yes _X_
   If yes, please explain. The principal investigator is also the course instructor. Since the participants are minors, I must collect signed informed consent forms so that I know who has permission to participate in the study. I must also know the participant identities in order to match test scores and questionnaire responses for the correlation analysis.

PART VI – INFORMED CONSENT INFORMATION

1) **Informed Consent**: Please attach a copy of all informed consent forms, or copy the text of these documents in the box below.
   a. If subject participation is anonymous, IRB recommends including the text of an information sheet or cover letter containing all required elements of informed consent.

Comment [SJS21]: In most cases, you should not or will not share the identity of the participants outside the research team.

Comment [SJS22]: This item is self-explanatory for the most part. Check "yes" if you will collect any data (including survey responses) electronically. If you check "yes" be sure to answer all parts of the question. Make sure you address the disposition of the electronic data and if and how you will identify subjects.

The IRB usually requires a statement like:
-Paper documents will be kept in a locked file cabinets while not in use, and shredded at the end of the study
-Recordings will be kept in a locked file cabinet, and erased after transcription of interviews
-- digital files will be kept on password-protected computers, and the files deleted at the end of the study.

Comment [SJS23]: If you select "yes," be sure to explain why this is necessary.

Comment [SJS24]: Typically "no."

Comment [SJS25]: Read this item carefully and mark accordingly. If you are the researcher and supervisor or teacher, you must check "yes." You must also explain how you are insuring the protection of your participants so that they do not feel pressure to participate in the research.

Comment [SJS26]: Part VI addresses informed consent. Remember that only adults can legally give informed consent. Minors cannot give consent. The parents or legal guardians have to give it for them.

b. If subject participation is not anonymous, you MUST include the text to the consent form.
   i. For children and youth participants , provide both the text for the assent form for the child/youth and the text of a permission form for the parents
   ii. For adult participants, include the text for the consent form.

View sample Informed Consent Documents at http://arapaho.nsuok.edu/~irb/

PARENT CONSENT TO PARTICIPATE IN A RESEARCH STUDY

Title of Project: The Effects of Traditional Classroom Lecture and Online Learning on Confidence Levels

Principal Investigator:
Jennifer Ford
Graduate Student,
Northeastern State University
918-XXX-XXXX
XXXX@XXXX.edu

Faculty Sponsor:
Dr. Sophia Sweeney
Assistant Professor
Northeastern State University
College of Education
601 N. Grand Ave. Tahlequah, OK 74464
918-444-3739
Sweeney@nsuok.edu

Purpose of the Study:
The purpose of this study is to investigate the effects of two different methods of instructional delivery (online instruction and traditional lecture method) on high school students' achievement level and confidence levels used in an anatomy & physiology (A&P) course.

Procedures to be Followed:
Your child is being asked to participate in a research study. Participation includes the completion of a questionnaire and authorization to use the test scores from the required end-of-course competency exam. The questionnaire measures student's confidence levels. It will be completed in class and will take 5-10 minutes to complete. Students who choose not to participate in the research will be given an alternative activity during this time. After completing the questionnaire, the students will place their questionnaires in a provided envelope and give the envelopes to the person in charge. The instructor will not be present when students are filling out or turning in the questionnaires. The results will be sealed and given to the instructor after all questionnaires have been turned in.

The competency exam will be taken by all students in class at the end of the semester. The exam takes about an hour to complete. Only the test scores for students with written parent consent and written student assent will be used in this research.

Discomforts and Risks:
The risks to your child are minimal. One minor risk is that your student may feel pressure to participate in the research. I assure you that your child's participation or non-participation

Comment [SJS27]: Be sure to include an assent form if your study includes minors. The assent form must be written in language appropriate for the minor.

The assent form is not included here, due to space considerations.

Comment [SJS28]: The IRB has a consent form template and sample consent forms on their Resources for Researchers web page.

The first page(s) of the sample consent forms are blank. Scroll to the third page or so of each sample to see the completed examples.

It is perfectly acceptable to use phrases and sentences in the samples verbatim, since the language is so standardized and must be exact. However, please make sure that you modify the necessary sections to reflect your own study!

Comment [SJS29]: Notice that the parent consent form is written to parents (i.e. "your child.") The student assent form should be written in language for the student ("You, your, your parents," etc.) and at the appropriate reading level. The IRB Resources for Researchers web page has information on checking the reading level of your documents.

will have no impact on his or her course grade. I will also have another instructor give the questionnaire in class. I will not be present while students are filling out the questionnaire so that your child does not feel any pressure to complete the questionnaire due to my presence.

With your permission and your child's assent, I will use the students' scores from the required end-of-course competency exam as part of the research data. Beyond the use of these stated risks, the risks of participating in this research do not exceed those experienced in everyday life.

Benefits:
The information gained from the research will be used to determine the best instructional delivery method of the Anatomy & Physiology course. Also, research participants may learn that they have a desire to participate in such a program by participating in the questionnaire. Improvements to pre-nursing courses, such as the one in which your child is participating, may result in better trained nurses.

Costs or Compensation:
There is no cost or compensation for participating in this research.

Duration:
The A&P course will take one semester to complete. All students must take the required end-of-course competency exam during class, which takes about an hour. The completion of the voluntary questionnaire takes 5-10 minutes of class time to complete. The students' participation in the research project is complete once he or she turns in the completed questionnaire.

Statement of Confidentiality:
Should you choose to give permission for your child to participate, his or her exam scores and questionnaire responses will be kept confidential. Only the principal investigator (who is also the course instructor) will know who participated in this study. If this research is published or presented, absolutely no information that would identify your child will be used. This information will be kept in the investigator's files for one year then destroyed by shredding.

Right to Ask Questions:

For questions about the research, please contact me (Jennifer Ford) or my faculty sponsor, Dr. Sophia Sweeney. Our contact information is at the top of this consent form.

For questions about your child's rights while participating on this study, you may contact the Institutional Review Board at Northeastern State University at 919-444-3719 or visit their web site at http://http://offices.nsuok.edu/irb

Voluntary Participation and Right to Withdraw:
Participation in this study is voluntary. Your child may skip any questions that he or she does not want to answer. You or your child can end your child's participation in this study at any time by contacting the principal investigator.

Informed consent:
My signature below indicates that I have read the information above and that I agree to let

my child participate in this study. I can ask for a copy of this consent form.

_____ _____
Signature of Parent **Date**

_____
Printed Name of Parent

_____
Name of Child

_____ _____
Investigator's Signature **Date**

PART VII – RISKS AND BENEFITS

1) Does the research involve any of the following possible risks or harms to subjects?
No __ Yes _X_ (if YES, a FULL BOARD REVIEW is required)
If you answered YES, please check all that apply:

__Use of deception*
**If deception is used, describe this in detail in the box below. This includes the debriefing process and the debriefing script. The principal investigator must offer the participant the opportunity to withdraw his/her data after finding out that deception was used in the study.*

_X_Use of confidential records (e.g. education or medical records)
__Manipulation of psychological or social variables such as sensory deprivation, social isolation, psychological stressors
__Any probing for personal or sensitive information in surveys or interviews
__Presentation of materials which subjects might consider sensitive, offensive, threatening or degrading
__Possible invasion of privacy of subject or family
__Risk of physical injury or harm
__Social or economic risk
__Legal risk
__Employment/occupational risk
__Other risks, specify: _____

2) Describe the nature and degree of the risk or harm checked above. The described risks/harms must be disclosed in the consent form. All students must take an end-of-course competency test, and the test scores of students with completed parent consent forms and student assent forms will be used as research data. The risk to participants is minimal since their parents and they are fully informed of the use of this data.

3) Explain what steps will be taken to minimize risks or harms and to protect subjects' welfare. If the research will include protected populations (See Part III, Item 6), identify each group and answer this question for each group. The participants are minors and students of the principal investigator. The researchers will minimize risk or harm to the participants by requiring completed parent consent and student assent forms, which describe the research and assure voluntary participation without negative repercussions. The PI will have another faculty member administer the questionnaires so that the students do not feel any pressure to complete the questionnaire. _____

4) Describe the anticipated benefits of this research for individual participants in each subject group. If none, state "none". Participants will have opportunity to express their opinions about the instructional delivery method of the Anatomy & Physiology class. The students' opinions and overall results of the study could affect the future quality and instructional delivery method for upcoming students. _____

5) Describe the anticipated benefits of this research for society, and explain how the benefits outweigh the risks. The goal of this study is to improve future nurses' competency in the medical field. Well trained nurses will insure high quality health care for community members. This benefit outweighs the minimal risks to individual participants. _____

PART VIII – COMPENSATION INFORMATION

Comment [SJS30]: Research often involves risks to the participants. The IRB weighs the benefits to the potential participants and society against the risk to the individual participant. Review the list of risks and check all that apply.

The use of confidential records is one that is often involved in educational research. An example is the use of mandatory test data, such as EOI or state benchmark exams.

Comment [SJS31]: Everyone should complete #3. If the risk of harm is minimal, say so. "The risk of harm in survey research is minimal, not likely exceeding the risk of participation in daily life." or "The activities in which the participants will engage resemble normal classroom activities."

Comment [SJS32]: 4.Although the application says that you can write "none," I require you to identify at least one benefit to the individual participants.

Comment [SJS33]: Describe the potential benefits to society.

Will any compensation or inducements, i.e. course credit, be offered to the subjects for their participation? No_X_ Yes __

If yes, describe those inducements and include a statement in the informed consent document explaining how compensation will be handled in the event the participant withdraws from the study.

_____

Comment [SJS34]: Describe any compensation or inducements you will use to recruit potential participants. Dr. Bekkering, chair of the IRB said, "If students in a class get extra credit for participation, students who do not participate should have an alternative way of getting the same number of points (for instance by writing a two page paper on a subject in the class if this takes about the same amount of time). If participants withdraw in the middle, there should be an alternative way to still get the benefit, or they should get it outright. Otherwise, it would interfere with the right to withdraw."

NORTHEASTERN STATE UNIVERSITY
Institutional Review Board

EMAIL Submissions	Paper Submissions
_x_ Application Form : save this file(in Microsoft Word format) and send it AS AN EMAIL ATTACHMENT to: irb@nsuok.edu In the body of the application, include as appropriate, Solicitation Announcements/ Recruitment materials, Data Collection Instruments/(ie., Interview questions/ Questionnaires/Surveys), Informed Consent Documents (*Parental/Legal Guardian Permission Form, Child Assent Form),* Medical Screening Instrument, Proposal and/or Contract or Grant, Debriefing Script (for studies involving deception) or copy and paste them to the back of the document. Upon receipt of the emailed application, all investigators will receive a confirmation email with the signature page. Print out the email and send it (signed) to Dr. Ernst Bekkering IRB Chair College of Business and Technology Room 221 i Northeastern State University Tahlequah, OK 74464 Faxed copies and digitally signed files are not acceptable. Only submit ONE file. Emails with more than one file will not be accepted. If you have separate PDF files, Word files, etc, copy and paste them to this Word document. Alternatively, print them out, send them by mail, and indicate below which documents will be mailed. Below, check off which documents will be mailed to the IRB Chair _x_Approval from Study Sites (ie, public schools) __Other: (if applicable)_____	We strongly discourage the use of paper submissions. For legacy purposes, we will continue to accept them. However, please be aware that processing and approval will be significantly slower than emailed applications for the following reasons: • Applications must be routed to the Graduate Office, and then forwarded to the IRB Chair • Applications must be office mailed to the reviewers. This usually takes two days • At least one reviewer must return the application so the Chair can interpret the reviewer comments. Office mailing usually takes two days • If the application is lost en route, there is no trail or tracking possible. __Application Form : THREE COPIES Mrs. Kathy Schoonover Director, Research and Sponsored Programs Administration building room B19 Northeastern State University Tahlequah, OK 74464 __Solicitation Announcements/Recruitment materials __Data Collection Instruments/(ie., Interview questions/Questionnaires/Surveys) __ Informed Consent Documents __*Parental/Legal Guardian Permission Form* __*Child Assent Form* __Approval from Study Sites (ie, public schools) __Medical Screening Instrument __Proposal and/or Contract or Grant __Debriefing Script (for studies involving deception) __Appendices (if applicable)

Comment [SJS35]: The IRB will only accept a single Microsoft Word document, so all attachments must be incorporated into the application file.

Comment [SJS36]: If you conduct your study on a site outside of NSU, you must get a site permission letter (Refer to Part III, #4). However, you do not need to include a site permission letter with this assignment.