

TO: Dean Charles Kratz, Dean of the Weinberg Memorial Library and Information Fluency

FROM: Jessica Bachman, Assistant Professor, Exercise Science
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DATE: May 29th, 2015

SUBJECT: Information Literacy Stipend for 2015

Background Information about the Information Literacy Project

The 30 students enrolled in EXSC 435 for the Spring 2015 semester were introduced to a new set of student learning outcomes for the class which focused on increasing their competency of information literacy. The main manner in which students were exposed to information literacy was through the completion of a multi-part ned to integrate

Information Literacy for Higher Education. Specifically, students were asked to assess the accuracy of citation practices of authors of published, peer-reviewed, original journal articles as a means to assess the quality of the reference. Additionally, this project was an important part of their learning experience at the University both within and outside of this classroom as it required students to develop their critical evaluation skills.

Student Learning Outcomes Related to [Information Literacy Standards](#)

The following student learning outcomes were added to the EXSC 435 course syllabus (see attached) to specifically assess the application of information literacy in the course.

At the completion of this course, students should be able to;

Criti

Ms.Oldham discussed the differences between trade and scholarly journals and described the peer-review process for publishing research articles. The remainder of her instruction led the students through a hands-on experience on using the library databases to find an appropriate article for the assignment. Ms.Oldham showed the students how to use both the CINAHL and ProQuest databases and included information such as how to effectively use search terms, subject heading and limiters to find articles that met the assignment criteria. Students had time to search for their main research article while receiving assistance from Ms.Oldham and

5. All students will be able to get the PDF of their article.
96% of the class met my expectations.

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Appendices

Research Reference Project description

Research Article Review Form

Assignment Rubricsf

Research Reference Project

The purpose of this project is to evaluate referencing practices of authors of peer-reviewed nutrition or exercise. This project is worth 25% of your final grade.

The follow steps are required for successful complete of the project;

1. **Topic Area** Select a topic area for this project related to exercise or nutrition (or both)
2/16.
2. **Search Log** After you have selected your topic area, you will begin your search for the primary, peer-reviewed article (see more details below) for this assignment. This search log is due on **3/4**. You must record the following information in your search log;
 - a. Where you searched for the article
 - i. Which databases, search engines, other resources
 - b. Search strategy
 - i. Key words used, combination of keywords, limits set
 - c. How the full-text of the article was retrieved
 - i. Was it available on the search engine as a full text or did you have to go to another website, request the article through ILLiad?
3. **Research Article Review** - Find one peer-reviewed, original (i.e. not a review or meta-analysis study) scientific research article published within the past 7 years within the topic area you selected. Complete the provided Research Article Review form and turn that in along with a copy of your full article on **3/4**.
4. **Reference Article Retrieval** - Using the reference list of the article you selected for the Research Article Review you will retrieve full-text versions of 3 of the references listed. You will submit copies of all 4 articles (original article plus 3 of the references) with the final Write Up on **4/27**.
5. **Write Up** The write up is due on **4/27** and should include the following components;
 - a. *Introduction to the project* describe what you are being asked to do in 1 paragraph
 - b. *Article summaries* Include a description of each of the 4 articles (**1 page max**)
 - i. The description should include a brief overview of the introduction, purpose, methods, results and discussion/conclusion
 - c. *Assessment of referencing* Describe how accurately the original article cited the references. For this description include;
 - i. The direct quote from the original article in which each of the 3 articles were cited.

1. are the most frequent problems among type 2 diabetic patients
- ii. A discussion about whether or not the reference was appropriately cited. Explain your thoughts.
 1. citation for the above quote. The cited article discusses current therapeutic approaches for individuals with type II diabetes related to preventing cardiovascular disease risk factors. The introduction to this article states how cardiovascular complications are a frequent problem in patients with type II diabetes however this
- d. *Conclusion* Summarize your thoughts on how accurately the original article referenced sources, has your perception of referencing practices changed as a result of this project, provide suggestions for future research article authors, and reflect on this project as a whole.

A grading rubric can be found on Desire2Learn.

Research Article Review

Study Reference	
Study Location	
Study Design	
Study Population and Sample Size	
Independent Variable(s) and how they are measured	
Dependent Variable(s) and how they are measured	
Key findings of interest	
Strengths and Limitations (bias, small sample size etc...) of the study	
Other observations	

EXSC 435 Research Reference Project Topic Area, Search Log and Research Article Review

Name: _____

Topic Area

Criteria	0 points	2.5 points
	Topic was not submitted on time.	Topic was submitted to D2L on time.
	Topic area was not related to exercise and/or nutrition and women's health.	Topic area was related to exercise and/or nutrition and women's health.

Research Article Review

Criteria	0 points	1-2 points	3 points
	Article is missing 3 or more of the required criteria.	Article is missing 1 or 2 of the required criteria.	Article is a peer-reviewed, original research article, published within the last 7 years.
	The study design is inaccurately and incompletely described.	The study design is either inaccurate or missing some of the needed description for clarity.	The study design is accurately and comprehensively described.

	0 points		1 point
	The direct quote is not included.		The direct quote from the main article where this reference is cited is included.
	The direct quote is not included.		The direct quote from the main article where this reference is cited is included.
	The direct quote is not included.		

Grade _____/62 points