

# IH&S 725 - Review of an Article on Exposure Assessment

## **Purpose**

Provide experience with critically reviewing published articles on exposure assessment that appear in the professional/scientific literature and contribute to your appreciation for life-long learning.

Learn and refine presentation software skills.

## **Principle Source of Articles:**

*Annals of Occupational Hygiene*

*Journal of Occupational and Environmental Hygiene*

## **Assignment**

Prepare a critical review of an article that is based on some aspect of exposure assessment and present it in front of the class using presentation software. The article you select can not be more than 3 yrs old.

Your review of the article should identify, cover and evaluate the following issues for you presentation:

1. the question(s)/problem(s) the assessment was designed to address
2. the assessment strategy and methodology
3. analysis of data
4. conclusion(s) and recommendation(s)
5. was the assessment strategy, methodology, and analysis suitable and sufficient for the conclusion(s) and recommendation(s) made
6. your professional assessment of the strength(s) and weakness(es) of what was done and what you have learned from the weakness(es) you've noted
7. your determination of the validity/soundness/reasonableness of the conclusion and recommendations made by the author.

## **Note:**

Remember no assessment strategy is ever perfect; no conditions are ever perfect; and no methodology is ever perfect. Imperfections don't mean the assessment/study is not meaningful or valuable to the professional community. What it means is that you must be able to exercise professional judgment, based on the information given, to evaluate whether the conclusions and recommendations given are appropriate.

## **Deadline and rules**

1. You must give me your article citation (title, author, journal and year) no later than March 1st.
2. No two people can use the same article so the first one to give me their information will get to use it.

3. All presentations will be given on March 23<sup>rd</sup>.
4. A computer and projector will be provided with PowerPoint capability. If you need other capabilities please bring your own laptop.

### **Presentation evaluation elements**

	Score <sup>1</sup>			
	65	75	85	95
How well did the student identify and discuss what the assessment was designed to address?				
How well did the student identify and discuss the assessment strategy and methodology?				
How well did the student identify and discuss the analysis of data?				
How well did the student identify and discuss conclusion(s) and recommendation(s)?				
How well did the student discuss the suitability and sufficiency of the assessment strategy, methodology, and analysis for supporting the conclusion(s) and recommendation(s)?				
How well did the student present their professional assessment of the strength and weakness of what was done and what they learned from the weakness noted?				
How well did the student present what they learned from the weakness noted?				
How well did the student apply professional judgment when determining of the validity/soundness/reasonableness of the conclusion and recommendations made by the author.				

<sup>1</sup> **Grade for the activity is based on averaging the score across all evaluation elements**