Lesson to be included in COURSE- SON 1006L Professional Aspects of Sonography

Course offered in first semester in A.S. Degree

Diagnostic Medical Sonography Program

Course Description

The course will present an introduction to ethical, legal, and health care administration issues, and quality assurance applicable to the field of Diagnostic Medical Sonography. Its purpose is to familiarize the students with the ethical, legal and occupational challenges they will face in their future professional practice.

This course provides intentional learning experiences to address outcomes: 1, 3, 7.

1. Communicate effectively using listening, speaking, reading and writing skills.
2. Use quantitative analytical skills to evaluate and process numerical data.
3. Solve problems using critical and creative thinking and scientific reasoning.
4. Formulate strategies to locate, evaluate, and apply information.
5. Demonstrate knowledge of diverse cultures, including global and historical perspectives.
6. Create strategies that can be used to fulfill personal, civic, and social responsibilities.
7. Demonstrate knowledge of ethical thinking and its application to issues in society.
8. Use computer and emerging technologies effectively.
9. Demonstrate an appreciation for aesthetics and creative activities.
10. Describe how natural systems function and recognize the impact of humans on the environment.

Lesson Plan will be used in the first semester in the program to introduce students to the following objectives.

Objective-

1. To examine personal beliefs and attitudes about health
2. To become familiar how health is affected by environment

1. What is health?

Class 1-

Discussion - Discuss the definition of health.

Instructor questions-

a. What does it mean to be healthy?
b. Do you think that the environment contributes to health and wellness?
c. Give examples how the environment can cause disease.
d. Do you think it is important for a health care provider to be aware of how the environment affects health?

Class work

View the video

Video - Dr. Stephanie Seneff – Harmful effects of glyphosate
https://video.search.yahoo.com/yhs/search;_ylt=AwrT6VkOEsIzJjGcAuowPzQt.?p=Dr.+stephanie+seneff+harmful+effects+of+glyphosate&fr=yhs-adk-adk_sbnt&fr2=piv-web&hspart=adk&hsimp=yhs-adk_sbnt&type=ma_appfocus84_cr#id=1&vid=1d7181512519ee84a653793c1fba6c26&action=view

Assignment

1. Review the following link/ Fact Sheet - http://npic.orst.edu/factsheets/glyphogen.html#env
2. Review the following website –

https://noharm-uscanada.org/
https://noharm-uscanada.org/issues/us-canada/restorative-health-care


5. Answer the following questions and be ready to discuss in class.

- As a sonographer you will examine female patients to evaluate infertility and anencephaly. What is anencephaly? What is the definition of infertility? Did the association of glycophosphate and these conditions surprise you?
- Describe what is meant by “restorative health”
- Did the articles and videos change your views on diet and health?
- Do you think socioeconomic status affects diet and health?
- What are the effects of Zika virus on the fetus that can be seen on ultrasound?
- What is the definition of precocious puberty and what are factors that can contribute to this?
- Why is it important for medical professionals/sonographers to be aware of how the environment affects health?
- How did this lesson plan affect you? Will you practice anything differently on a personal level?