

Additional Information: Nuclear Medicine Procedures II DMIN 2200Term: FallYear: 2019

Course Date: August 22, 2019 -December 12, 2019

IAI Course Code for General Education:

Credit HoursCredit Hours: 4Lecture Hours: 3Lab Hours: 2

Contact Hours: 5

Clinical Hours: 0

CASE STUDY PRESENTATIONS- All case study presentations **MUST** include an electronic copy for Amy Yarshen, a PowerPoint orally presented during class, and 5 questions for classmates to answer after your presentation. The 5 questions are to verify the audience understood the material presented. The 15 min oral presentation with Powerpoint is to be very thorough and contain the finest details of this particular study. Please includes images and radiologist findings. You may extend some sections to help the audience understand the case better. For example, you may give a general overview of this exam and compare and contrast how your clinical site performs the exam. You may discuss in detail typical exam indications and then discuss the particular indication for this exam. Please do research on the patient to get a good patient history. Find out if the patient had other exams or procedures prior to or after the nuclear medicine exam. What is likely to happen to the patient after our exam findings? The Powerpoint must be loaded on classroom desktop at 9:00 am on the due date.

NOTE: Use the same template for Proficiency Summaries-See Attached Example

Each student will present 3 case studies; of those studies, one must be a cardiac study, and the remaining two from any system listed in your Nuclear Medicine and PET/CT text. Case studies begin October 10th. **Please check schedule for all due dates as Late Assignments are not accepted.**

Each Case Study as well as Competency must have (a minimum) of the following information submitted. Please make a template for yourself and keep a file for all case studies and competencies:

- Type of Study
- Indications
- Patient History
- Patient Preparation
- Dose Information and Biorouting (mechanism of rrx delivery)
- Camera parameter and ancillary equipment
- Computer Parameters
- Exam Protocol
- Image processing and Display
- Radiologist Impression

PATHOLOGY AND PROCEDURES PAPER and POSTER/EXHIBIT: Final written paper and poster exhibit due on or before ***November 20, 2019 at 9:00 am.***

A minimum 5-page written PAPER (typed) in **APA** format is due in class on as stated above. Please use **IN-TEXT** citations. Your topic will be a disease that you have selected either from the Nuclear Medicine and PET/CT textbook or from your own interests and searched with a minimum of three (3) other references from two (2) journals (professional magazines) and one reference text on the disease. The disease you choose must be able to be imaged using, but not limited to, a Nuclear Medicine and/or PET/CT procedure. Your research (reference) material must not be more than 5 years old and preferably less than 3 years.

The paper headings must include (but not limited to) the **NAME** of the **DISEASE**, **DESCRIPTION**, **METHODS** of **DIAGNOSIS** (using medical imaging), **TREATMENT**, and **PROGNOSIS**, **CONCLUSIONS**, and **REFERENCES**. You can follow the parameters required for Case Study Presentations. See attached.

Debra Kakuk Smith (COD Librarian and Faculty member assigned to Health Sciences) arranged for one research information session scheduled in the library. This session is to fully explain the resources available to you for this project. The mandatory library session will be held in SRC 2025 from 12:30-2:00 pm on Tuesday September 3. **Your topic must be approved by me and submitted September 19.**

After approval, your **topical outline of your paper is due by September 26**. If your outline is not detailed and specific to your topic, you will receive a "0". Reference list and **first draft of your paper is due *October 17***.

The **POSTER/EXHIBIT** required will be the same topic, but presented in a different format. This is more of a visual exhibit of your work from the paper. Medical images, charts, tables, figures and drawings are desirable along with the title and concise narrative explanations from your paper headings. The **POSTER/EXHIBIT** should present the disease to the viewer so it can be explained as a stand-alone exhibit. Examples of this project will be provided from previous coursework.

In addition, please prepare for a brief (3-5 minutes) summary of your topic and you will present final exhibit/poster for in-class ***on November 14***. Late submissions or absences on due dates will comply with the course late policy.

The PAPER and/or EXHIBIT may be submitted to the ISSRT for competition in the April, 2019 State Conference. The applications and student membership must be completed and submitted by January 31, 2020. The applications and further explanation of this option will occur on the first day of the course in Spring 2019.

Important information and dates:

Topic submission: September 19

Topic Outline: September 26

Reference list and first draft: October 17

Final paper and poster presentation in class: November 14

Poster Exhibit Date: Wednesday, November 20 from 0900 to 1400

Exhibit Location: Meet in NM Classroom at 0900 for a 3-5 minute presentation of your work to CT group and then set-up at the HSC Atrium area follows.

Writing an effective Journal Article summary requires that you

- Read the article and try to figure out the writer's purpose
- Highlight a sentence from each paragraph with summarizing in mind
- Write and revise

Read with the Writer's Purpose in Mind

- Read the article without writing any notes.
- Once you read the article, write down the major point made about the subject. Look at the author's thesis and underline it and determine if it corresponds to what you saw as the main point. If not, you can adjust your main point
 - Does this thesis correspond with the sentence you wrote down?
 - Look at the article again and determine if your view is biased toward one of the essay's minor points. If it is, adjust your main point toward the author's main point.

Highlight with Summarizing in Mind

- Reread the article again once you understand the main point. The second time you read the article, highlight the major points supporting the author's thesis. (can be words or phrases and not sentences)

Write and Revise your summary

Writing Your Summary

- When you begin to write your summary, start with a sentence naming the writer and article title and stating the essay's main idea. Then write your summary remembering the important points.
- Write a conclusion with a final statement reflecting the significance of the article, from the author's point of view, not yours.

Keep in mind that a summary should generally be no more than one-fourth the length of the original. If your summary is too long, cut out words rather than ideas.

Powerpoint format should be used to fully explain the summary of the Journal Article. Journal Article Presentations should be a minimum of 5 minutes and include 5 questions at the end to highlight main points and confirm the audience understood the material. Include a copy of the article with each summary or provide an embedded link to the article in the Powerpoint Presentation.