Instructor:
Dr Fred SARAZIN
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Course homepage: http://www.mines.edu/~fsarazin/phgn422/index.shtml

Lectures:
Tuesdays, Thursdays @ 2:00-3:15pm – Meyer Hall 363

Textbook:
“Introductory Nuclear Physics”
(suggested) From Dr Kenneth S. Krane, Publisher: Wiley

Course objective:
To introduce the students to the assorted phenomena of the world of particle and nuclear physics, and develop the framework and analytical skills necessary to understand these phenomena in Nature and in the applied context.

Course delivery:
The course will be delivered on the blackboard with supporting figures and documents distributed in class.

Assessment:
- Homework assignments:
Homework will be assigned and graded on a regular basis (40% of the final grade). Individual homework will be graded out of 10. Failure to return a homework assignment on time without a valid reason (determined by the instructor) will result in a zero mark. You are allowed to work on the assignments in groups, but you are all required to turn in your homework individually. Please indicate with whom you worked on the assignment.

- Mid-term:
One “mid-term” exam (which may or may not occur around the middle of the semester!) will be scheduled. The conditions of the exam (open book, limited documents, no documents…) will be discussed in class. The grade will count for 30% of the final grade.

- Student presentation:
Toward the end of the semester and in place of the final exam, students will be required to make a APS-style (APS: American Physical Society) presentation (10 minutes + 2 minutes question) on a subject of their choice, related to nuclear and/or particle physics. The grade will count for 30% of the final grade.

Grades:
(A:90-100%, B:80-89%, C:70-79%,D:60-69%,F<59%)
As mentioned above, the final grade will be calculated as follows:
1. Homework: 40%
2. Midterm exam: 30%
3. Student presentation: 30%
Homework: Do not underestimate the influence of your homework grade!
Error in grading: If you think a mistake was made in the course of grading your assignment, the complaint should be put in writing and returned together with your original assignment to the instructor. The instructor will then review the assignment and correct the grading error, if applicable.

Office Hours:
My official office hours are posted in front of my office. However, feel free to come in if the door is open.