

Syllabus for Phys 459 Spring 2018, A one credit hour independent study course
Title - Patient Alignment for Radiation Therapy using an Optical Camera System
Instructor – G. Coutrakon

This is a special topics, one credit hour course concentrated on a new patient alignment study for radiation therapy. The student will meet with NIU instructor and a mentor, Brad Kreydick, at NMCPD in Warrenville to submit a paper to Journal of Applied Clinical Medical Physics based on student's results at NMCPD (Northwestern Medicine Chicago Proton Center) over the past (2017) summer. In addition, she will make additional measurements as needed to prepare the paper for publication.

Time commitment- Meet with instructor and mentor at NMCPD one hour twice a month to discuss progress on paper preparation. Student will spend two to four hours per week working on completing the paper with suggested changes from Mr. Kreydick and myself and submitting the paper before the beginning of finals week at NIU.

Grade- The grade for the one hour course will be based on student's response to suggested changes to the paper, its submission to the journal , and its final quality at time of submission.