

INDIV: PERSONNEL REPORT (Faculty/IAS Promotions/Retention/Tenure)
(Jan 1, 2011 - December 31, 2021)

I. GENERAL INFORMATION

Faculty Name: Nishele D. Lenards, PhD	Department: Health Professions
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Education

Ph D, Northcentral University, Education. (2017).

Certificate, UW-Stout, E-Learning & Online Teaching. (2008).

MS, University of Wisconsin - Stout, Education. (2007).

BS, University of St. Francis, Health Arts. (1999).

Certificate, Aultman Hospital of Radiation Therapy, Radiation Therapy. (1991).

Certificate, Akron City Hospital School of Radiologic Technology, Radiology. (1990).

Licensures and Certifications

"E-Learning & Online Teaching Certification", UW-Stout. (August 1, 2008 - Present).

"Medical Dosimetry Certification", MDCB. (August 1, 1995 - Present).

"Radiation Therapy Certification", ARRT. (July 1, 1991 - Present).

"Radiography Certification", ARRT. (July 1, 1990 - Present).

Consulting

Academic, Medical Technology Management Institute (MTMI), Milwaukee, WI, approximately 12 hours spent for the year. (August 2009 - 2016).

Related Professional Positions

Professional, American Association of Medical Dosimetrists (AAMD)

- "Reviewer". (2009 - Present).
- "Committee Member, Education Committee". (2007 - Present).
- "Committee Member, Continuing Education Committee". (2012 - 2019).
- "Associate Editor". (2010 - 2019).
- "Chair, Fellows Committee". (2013 - 2018).
- "Chair - Continuing Education Committee". (August 1, 2012 - July 31, 2018).
- "Web Site Design". (November 2007 - 2016).
- "Co-Chair, IT Committee". (2008 - 2013).
- "Co-Chair Education Committee". (2007 - 2012).
- "Co-Chair Education Committee". (May 2007 - July 31, 2011).

Professional, Twin Cities Radiation Therapists (TCRT), MN, "Web Master". (August 1, 2006 - 2011).

II. NARRATIVE

A. IAS Narrative

[Download File \(nlenards/ias_promotion/Narrative for Promotion NLenards-1.pdf\)](#)

III. TEACHING

A. Teaching Schedule

Fall 2021

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 513-501	Anatomy for Med Dosimetrists	Yes	No	27	1	On-Line
Download File (nlenards/schteach/DOS 513 2021-1.pdf)						
DOS 514-501	Physics Fund Med Dos	No	No	27	3	On-Line
Download File (nlenards/schteach/DOS 514 Syllabi 2021-1.pdf)						
DOS 515-501	Computers & Network Rad Onc	Yes	No	27	1	On-Line
Download File (nlenards/schteach/DOS 515 Course Syllabus 2021-1.pdf)						
DOS 518-501	Professional Issues	Yes	No	26	2	On-Line
Download File (nlenards/schteach/DOS 518 Syllabus 2021-1.pdf)						
DOS 750-501	Professional e-Portfolio	No	No	27	1	On-Line
Download File (nlenards/schteach/DOS 750 2021-1.pdf)						
DOS 751-501	Research Methods Med Dos III	No	No	27	2	On-Line
Download File (nlenards/schteach/DOS 751 Syllabus 2021-1.pdf)						
DOS 783-501	CMD Seminar III	No	No	3	3	On-Line
Download File (nlenards/schteach/DOS 783 Syllabi Fall 2021-1.pdf)						

Summer 2021

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 541-501	Radiobiology for Med Dos	Yes	No	25	1	On-Line
Download File (nlenards/schteach/DOS 541 Radiobiology 2021-1.pdf)						
DOS 731-501	Research Methods Med Dos II	Yes	No	28	2	On-Line
Download File (nlenards/schteach/DOS 731 Syllabus 2021 revised-1.pdf)						
DOS 741-501	Protocols in Rad Oncology	No	No	28	1	On-Line
Download File (nlenards/schteach/DOS 741 Syllabus 2021-1.pdf)						
DOS 782-501	CMD Seminar II	No	No	3	3	On-Line
Download File (nlenards/schteach/DOS 782 Syllabus Summer 2021-1.pdf)						

Spring 2021

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 522-501	Radiation Dose Calculations	Yes	No	26	2	On-Line
Download File (nlenards/schteach/DOS 522 2021-2.pdf)						

DOS 531-501	Clinical Oncology for Med Dos	Yes	No	26	3	On-Line
Download File (nlenards/schteach/DOS 531 2021-1.pdf)						
DOS 711-501	Research Methods Med Dos I	Yes	No	29	2	On-Line
Download File (nlenards/schteach/DOS 711 Research Methods I 2021-2.pdf)						
DOS 750-501	Professional e-Portfolio	No	No	2	1	On-Line
Download File (nlenards/schteach/DOS 750 Syllabus 2020-21-1.pdf)						
DOS 781-501	CMD Seminar I	No	No	3	3	On-Line
Download File (nlenards/schteach/DOS 781 2021-1.pdf)						

Fall 2020

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 513-501	Anatomy for Med Dosimetrists	Yes	No	26	1	On-Line
Download File (nlenards/schteach/DOS 513 2020-1.pdf)						
DOS 514-501	Physics Fund Med Dos	Yes	No	26	3	On-Line
Download File (nlenards/schteach/DOS 514 Syllabi 2020-2.pdf)						
DOS 515-501	Computers & Network Rad Onc	Yes	No	26	1	On-Line
Download File (nlenards/schteach/DOS 515 Syllabus 2020-1.pdf)						
DOS 518-501	Professional Issues	Yes	No	29	2	On-Line
Download File (nlenards/schteach/DOS 518 Syllabus 2020-2.pdf)						
DOS 750-501	Professional e-Portfolio	No	No	26	1	On-Line
Download File (nlenards/schteach/DOS 750 Syllabus 2020-21-2.pdf)						
DOS 751-501	Research Methods Med Dos III	Yes	No	32	2	On-Line
Download File (nlenards/schteach/DOS 751 Syllabus-2.pdf)						
DOS 783-501	CMD Seminar III	No	No	5	3	On-Line
Download File (nlenards/schteach/DOS 783 Syllabi Fall 2020-1.pdf)						

Summer 2020

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 525-501	Brachytherapy Med Dos	Yes	Yes	24	2	On-Line
Download File (nlenards/schteach/DOS 525 syllabus 2020-2.pdf)						
DOS 731-501	Research Methods Med Dos II	Yes	Yes	31	2	On-Line
Download File (nlenards/schteach/DOS 731 Syllabus 2020-2.pdf)						
DOS 741-501	Protocols in Rad Onc	Yes	Yes	29	1	On-Line
Download File (nlenards/schteach/DOS 741 Syllabus 2020-2.pdf)						
DOS 782-501	CMD Seminar II	Yes	Yes	5	3	On-Line
Download File (nlenards/schteach/DOS 782 Syllabus Summer 2020-1.pdf)						

Spring 2020

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 522-501	Radiation Dose Calculations	Yes	Yes	24	2	On-Line
Download File (nlenards/schteach/DOS 522 2020-1.pdf)						
DOS 711-501	Research Methods Med Dos I	Yes	Yes	31	2	On-Line
Download File (nlenards/schteach/DOS 711 2020-1.pdf)						

DOS 750-501	Professional e-Portfolio	Yes	Yes	5	1	On-Line
Download File (nlenards/schteach/DOS 750 2020-1.pdf)						
DOS 781-501	CMD Seminar I	No	Yes	5	3	On-Line
Download File (nlenards/schteach/DOS 781 2020-1.pdf)						

Fall 2019

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 513-501	Anatomy for Med Dosimetrists	Yes	Yes	26	1	On-Line
Download File (nlenards/schteach/DOS 513 2019-1.pdf)						
DOS 514-501	Physics Fund Med Dos	Yes	Yes	26	3	On-Line
Download File (nlenards/schteach/DOS 514 Syllabi 2019-1.pdf)						
DOS 515-501	Computers & Network Rad Onc	Yes	Yes	26	1	On-Line
Download File (nlenards/schteach/DOS 515 Course Syllabus 2019-1.pdf)						
DOS 518-501	Professional Issues	Yes	Yes	27	2	On-Line
Download File (nlenards/schteach/DOS 518 Syllabus 2019-1.pdf)						
DOS 750-501	Professional e-Portfolio	No	No	26	1	On-Line
Download File (nlenards/schteach/DOS 750 Syllabus 2019-20-1.pdf)						
DOS 751-501	Research Methods Med Dos III	Yes	Yes	29	2	On-Line
Download File (nlenards/schteach/DOS 751 Research Methods III Syllabus 2019-1.pdf)						
DOS 783-501	CMD Seminar III	Yes	Yes	4	3	On-Line
Download File (nlenards/schteach/DOS 783 Syllabi Fall 2019-1.pdf)						

Summer 2019

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 525-501	Brachytherapy Med Dos	No	Yes	23	2	On-Line
Download File (nlenards/schteach/DOS 525 syllabus 2019-1.pdf)						
DOS 731-501	Research Methods Med Dos II	No	Yes	29	2	On-Line
Download File (nlenards/schteach/DOS 731 Syllabus 2019-1.pdf)						
DOS 782-501	CMD Seminar II	No	Yes	4	3	On-Line
Download File (nlenards/schteach/DOS 782 Syllabus Summer 2019-1.pdf)						

Spring 2019

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 522-501	Radiation Dose Calculations	Yes	Yes	25	2	On-Line
Download File (nlenards/schteach/DOS 522 Syllabus 2019-1.pdf)						
DOS 711-501	Research Methods Med Dos I	Yes	Yes	31	2	On-Line
Download File (nlenards/schteach/DOS 711 Research Methods I Syllabus 2019-1.docx)						
DOS 750-501	Professional e-Portfolio	Yes	Yes	4	1	On-Line
Download File (nlenards/schteach/DOS 750 Syllabus 2018-19-1.pdf)						
DOS 781-501	CMD Seminar I	Yes	No	4	3	On-Line
Download File (nlenards/schteach/DOS 781 Syllabus Spring 2019-1.pdf)						

Fall 2018

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 513-501	Anatomy for Med Dosimetrists	Yes	Yes	25	1	On-Line
Download File (nlenards/schteach/DOS 513 2018-1.pdf)						
DOS 514-501	Physics Fund Med Dos	Yes	Yes	25	3	On-Line
Download File (nlenards/schteach/DOS 514 Syllabi Fall 2018-1.pdf)						
DOS 515-501	Computers & Network Rad Onc	Yes	Yes	25	1	On-Line
Download File (nlenards/schteach/DOS 515 Course Syllabus 2018-1.pdf)						
DOS 518-501	Professional Issues	Yes	No	33	2	On-Line
Download File (nlenards/schteach/Syllabi Patty Fall2018-1.docx)						
DOS 750-501	Professional e-Portfolio	Yes	Yes	25	1	On-Line
Download File (nlenards/schteach/DOS 750 Syllabus 2018-19-2.pdf)						
DOS 751-501	Research Methods Med Dos III	Yes	No	30	2	On-Line
Download File (nlenards/schteach/DOS 751 Research Methods III Syllabus 2018-1.pdf)						
DOS 783-501	CMD Seminar III	Yes	No	5	3	On-Line
Download File (nlenards/schteach/DOS 783 Syllabi Fall 2018-1.pdf)						

Summer 2018

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 525-501	Brachytherapy Med Dos	Yes	No	28	2	On-Line
Download File (nlenards/schteach/DOS 525 syllabus 2018-1.pdf)						
DOS 731-501	Research Methods Med Dos II	Yes	No	30	2	On-Line
Download File (nlenards/schteach/DOS 731 Syllabus 2018 New Template-1.pdf)						
DOS 741-501	Protocol & Study Rad Oncology	No	No	33	1	On-Line
Download File (nlenards/schteach/DOS 741 Syllabus 2018-1.pdf)						
DOS 782-501	CMD Seminar II	No	No	5	3	On-Line
Download File (nlenards/schteach/DOS 782 Syllabus Summer 2018-1.pdf)						

Spring 2018

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 711-501	Research Methods Med Dos I	No	No	31	2	On-Line
Download File (nlenards/schteach/DOS 711 2018-1.pdf)						
DOS 750-501	Professional e-Portfolio	No	No	5	1	On-Line
Download File (nlenards/schteach/Syllabus 2017-18-1.pdf)						
DOS 781-501	CMD Seminar I	No	No	5	3	On-Line
Download File (nlenards/schteach/DOS 781 Syllabus Spring 2018-1.pdf)						

Fall 2017

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 513-501	Anatomy for Med Dosimetrists	No	No	29	1	On-Line
Download File (nlenards/schteach/DOS 513 Fall 2017-1.pdf)						
DOS 514-501	Physics Fund Med Dos	No	No	29	3	On-Line
Download File (nlenards/schteach/DOS 514 2017-1.pdf)						
DOS 518-501	Professional Issues	Yes	No	32	2	On-Line
Download File (nlenards/schteach/DOS 518 2017-1.pdf)						
DOS 750-501	Professional e-Portfolio	No	No	29	1	On-Line
Download File (nlenards/schteach/Syllabus Fall 2017-1.pdf)						
DOS 751-501	Research Methods Med Dos III	No	No	31	2	On-Line
Download File (nlenards/schteach/DOS 751 2017-1.pdf)						
DOS 783-501	CMD Seminar III	No	No	3	3	On-Line
Download File (nlenards/schteach/DOS 783 Syllabi Fall 2017-1.pdf)						

Summer 2017

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 525-501	Brachytherapy Med Dos	No	No	28	2	On-Line
Download File (nlenards/schteach/DOS 525 syllabus 2017-1.pdf)						
DOS 731-501	Research Methods Med Dos II	No	No	31	2	On-Line
Download File (nlenards/schteach/DOS 731 syllabus-2.pdf)						
DOS 741-501	Protocol & Study Rad Oncology	No	No	31	1	On-Line
Download File (nlenards/schteach/DOS 741 Syllabus 2017-1.pdf)						
DOS 782-501	CMD Seminar II	No	No	3	3	On-Line
Download File (nlenards/schteach/DOS 782 Syllabus 2017-1.pdf)						

Spring 2017

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 750-501	Professional e-Portfolio	No	No	5	1	On-Line
Download File (nlenards/schteach/DOS 750 Course Syllabus NEW 2017 SPRING-1.pdf)						
DOS 781-501	CMD Seminar I	No	No	4	3	On-Line
Download File (nlenards/schteach/DOS 781 Syllabus 2017-1.pdf)						

Fall 2016

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 513-501	Anatomy for Med Dos	Yes	No	30	1	On-Line
Download File (nlenards/schteach/DOS 513 Anatomy Syllabus 2016-1.pdf)						
DOS 750-501	Professional e-Portfolio	No	No	30	1	On-Line
Download File (nlenards/schteach/DOS 750 Course Syllabus NEW-2.pdf)						

DOS 751-501	Research Methods Med Dos III	No	No	21	2	On-Line
Download File (nlenards/schteach/Dos 751 Syllabus 2016-1.pdf)						
DOS 752-501	Operational Issues in Rad Onc	No	No	20	1	On-Line
Download File (nlenards/schteach/DOS 752 Syllabus 2016-1.pdf)						
DOS 783-501	CMD Seminar III	No	No	3	3	On-Line
Download File (nlenards/schteach/DOS 783 CMD Seminar III Syllabus 2016-1.pdf)						

Summer 2016

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 731-501	Research Methods Med Dos II	No	No	21	2	On-Line
Download File (nlenards/schteach/DOS 731 Syllabus 2016-1.pdf)						
DOS 741-501	Prot & Stu Rad Oncology	No	No	20	1	On-Line
Download File (nlenards/schteach/DOS 741 Syllabus 2016-1.pdf)						
DOS 782-501	CMD Seminar II	No	No	3	3	On-Line
Download File (nlenards/schteach/DOS 782 Syllabus 2016-1.pdf)						

Spring 2016

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 522-501	Radiation Dose Calc	No		19	2	On-Line
DOS 525-501	Brachytherapy Med Dos	No		19	2	On-Line
Download File (nlenards/schteach/DOS 525 syllabus 2016-1.pdf)						
DOS 711-501	Research Meth Med Dos I	No		22	2	On-Line
Download File (nlenards/schteach/DOS 711 Syllabus 2016-1.pdf)						
DOS 750-501	Professional e-Portfolio	No		2	1	On-Line
Download File (nlenards/schteach/DOS 750 Syllabus Spring 2016-1.pdf)						
DOS 781-501	CMD Seminar I	No		3	3	On-Line
Download File (nlenards/schteach/DOS 782 Syllabus 2016-2.pdf)						

Fall 2015

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 513-501	Anatomy for Med Dos	No		19	1	On-Line
Download File (nlenards/schteach/DOS 513 Anatomy Syllabus 2016-2.pdf)						
DOS 514-501	Physics Fund Med Dos	No	No	20	3	On-Line
Download File (nlenards/schteach/DOS 514 syllabus 2016-1.pdf)						
DOS 515-501	Computers & Network Rad Onc	No	No	19	1	On-Line
Download File (nlenards/schteach/DOS515 Syllabus 2015-1.pdf)						
DOS 750-501	Professional e-Portfolio	No	No	20	1	On-Line
Download File (nlenards/schteach/DOS 750 Syllabus Fall 2015-1.pdf)						
DOS 751-501	Research Meth Med Dos III	No		29	2	On-Line
Download File (nlenards/schteach/DOS 751 Syllabus 2015-1.pdf)						
DOS 752-501	Operational Issues in Rad Onc	No		30	1	On-Line
Download File (nlenards/schteach/DOS 752 Syllabus 2016-2.pdf)						
DOS 783-501	CMD Seminar III	No		5	3	On-Line
Download File (nlenards/schteach/DOS 783 CMD Seminar III Syllabus 2015-1.pdf)						

Summer 2015

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 418-501	Prof & Mentoring in DOS	No	No	4	1	On-Line
Download File (nlenards/schteach/DOS 418_518_Syllabus 2015-1.pdf)						
DOS 731-501	Research Methods Med Dos II	No	No	29	2	On-Line
Download File (nlenards/schteach/DOS 731_Syllabus 2015-1.pdf)						
DOS 741-501	Prot & Stu Rad Oncology	No	No	30	1	On-Line
Download File (nlenards/schteach/DOS 741_Syllabus 2015-1.pdf)						
DOS 782-501	CMD Seminar II	No	No	5	3	On-Line
Download File (nlenards/schteach/DOS 782_Syllabus 2015-1.pdf)						

Spring 2015

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 422-501	Radiation Dose Calc	No	No	4	2	On-Line
DOS 522-501	Radiation Dose Calc	No		24	2	On-Line
Download File (nlenards/schteach/DOS 422_522_Dose Calcs 2015-1.pdf)						
DOS 423-501	Treatment Plan in Med DOS	No		4	3	On-Line
DOS 523-501	Treatment Plan in Med DOS	No		24	3	On-Line
Download File (nlenards/schteach/DOS 523_new_syllabus 2015-1.pdf)						
DOS 425-501	Brachytherapy Med Dos	No		4	2	
DOS 525-501	Brachytherapy Med Dos	No		24	2	
DOS 711-501	Research Meth Med Dos I	No		30	2	On-Line
Download File (nlenards/schteach/DOS 711_Weekly Schedule 2015-1.pdf)						
DOS 750-501	Professional e-Portfolio	No		7	1	On-Line
Download File (nlenards/schteach/DOS 750_Syllabus Spring 2015-1.pdf)						
DOS 781-501	CMD Seminar I	No		6	3	On-Line
Download File (nlenards/schteach/DOS 781_Syllabus 2015-1.pdf)						

Fall 2014

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 413-501	Anatomy for Med Dos	No		4	1	On-Line
DOS 513-501	Anatomy for Med Dos	No		24	1	On-Line
Download File (nlenards/schteach/DOS 413_513_Anatomy_Syllabus 2014-1.pdf)						
DOS 414-501	Physics Fund Med Dos	No		6	3	On-Line
DOS 514-501	Physics Fund Med Dos	No		24	3	On-Line
Download File (nlenards/schteach/DOS 414_514_syllabus_2014_copy-1.pdf)						
DOS 415-501	Computers & Network Rad Onc	No		6	1	On-Line
DOS 515-501	Computers & Network Rad Onc	No		24	1	
DOS 416-501	Fund Radiation Safety	No		6	1	On-Line
DOS 516-501	Fund Radiation Safety	No		24	1	
Download File (nlenards/schteach/DOS 516_syllabus_2014-1.pdf)						
DOS 750-501	Professional e-Portfolio	No		24	1	On-Line
Download File (nlenards/schteach/DOS 750_Syllabus Fall 2014-1.pdf)						

DOS 751-501	Research Methods Med Dos III	No		14	2	On-Line
Download File (nlenards/schteach/DOS 751 Research Methods III Syllabus Fall 2014-1.pdf)						
DOS 752-501	Operational Issues in Rad Onc	No		14	1	On-Line
Download File (nlenards/schteach/DOS 752 Syllabus 2014_Fall-1.pdf)						
DOS 783-501	CMD Seminar III	No		2	3	On-Line
Download File (nlenards/schteach/DOS 783 CMD Seminar III Syllabus 2014-1.pdf)						
DOS 793-501	Fieldwork III	No		2	4	On-Line
Download File (nlenards/schteach/DOS 793 Fieldwork III Syllabus 2014-1.pdf)						

Summer 2014

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 418-501	Prof & Mentoring in DOS	No		12	1	On-Line
DOS 518-501	Prof & Mentoring in DOS	No	No	30	1	On-Line
Download File (nlenards/schteach/DOS 418_518 Syllabus 2014-1.pdf)						
DOS 731-501	Research Methods Med Dos II	No		14	2	On-Line
Download File (nlenards/schteach/DOS 731 Syllabus Summer 2014-1.pdf)						
DOS 782-501	CMD Seminar II	No		2	3	On-Line
Download File (nlenards/schteach/DOS 782 CMD Seminar II Syllabus 2014-1.pdf)						
DOS 792-501	Fieldwork II	No		2	4	On-Line
Download File (nlenards/schteach/DOS 792 Fieldwork II Syllabus 2014-1.pdf)						

Spring 2014

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 422-501	Radiation Dose Calc	No		12	2	On-Line
DOS 522-501	Radiation Dose Calc	No		12	2	
Download File (nlenards/schteach/DOS 422 522 new syllabus 2014 copy-1.pdf)						
DOS 423-501	Treatment Plan in Med DOS	No		12	3	On-Line
DOS 523-501	Treatment Plan in Med DOS	No		12	3	
Download File (nlenards/schteach/DOS 523 new syllabus 2014-1.pdf)						
DOS 425-501	Brachytherapy Med Dos	No		12	2	
DOS 525-501	Brachytherapy Med Dos	No		11	2	
DOS 711-501	Research Methods Med Dos I	No		14	2	On-Line
Download File (nlenards/schteach/DOS 711 Syllabus 2014-1.pdf)						
DOS 750-501	Professional e-Portfolio	No		2	1	On-Line
Download File (nlenards/schteach/DOS 750 Syllabus Spring 2015-2.pdf)						
DOS 750-502	Professional e-Portfolio	No		9	2	On-Line
Download File (nlenards/schteach/DOS 750 Syllabus Spring 2015-3.pdf)						
DOS 751-501	Research Methods Med Dos III	No		9	2	On-Line
Download File (nlenards/schteach/DOS 751 Research Methods III Syllabus 2014-1.pdf)						
DOS 752-501	Operational Issues in Rad Onc	No		9	1	On-Line
Download File (nlenards/schteach/DOS 752 Syllabus 2014-2.pdf)						
DOS 771-501	Dos Clinical Practicum I	No		12	5	On-Line
Download File (nlenards/schteach/DOS 471_771_new_syllabus_2014-1.pdf)						
DOS 781-501	CMD Seminar I	No		2	3	On-Line
Download File (nlenards/schteach/DOS 781 Syllabus 2014-1.pdf)						
DOS 791-501	Fieldwork I	No		2	4	On-Line
Download File (nlenards/schteach/DOS 791 Syllabus 2014-1.pdf)						

Fall 2013

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 412-501	Simulation Med Dos	No		12	1	On-Line
DOS 512-501	Simulation Med Dos	No		12	1	
Download File (nlenards/schteach/DOS_411_511_new_syllabus_2013-1.pdf)						
DOS 413-501	Anatomy for Med Dos	No		12	1	On-Line
DOS 513-501	Anatomy for Med Dos	No		12	1	
Download File (nlenards/schteach/DOS_413_513_Anatomy_Syllabus_2013-1.pdf)						
DOS 414-501	Physics Fund Med Dos	No		12	3	On-Line
DOS 514-501	Physics Fund Med Dos	No		13	3	
Download File (nlenards/schteach/DOS_414_514_syllabus_2013-1.pdf)						
DOS 741-501	Protocols Rad Oncology	No		9	1	On-Line
Download File (nlenards/schteach/DOS_741_Syllabus_2013-1.pdf)						
DOS 750-501	Professional e-Portfolio	No		13	1	On-Line
Download File (nlenards/schteach/DOS_750_Syllabus_Fall_2013-1.pdf)						

Summer 2013

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 731-501	Research Methods Med Dos II	No		9	2	On-Line
Download File (nlenards/schteach/DOS_731_Syllabus_Summer_2013-1.pdf)						
DOS 751-501	Research Methods Med Dos III	No		3	2	On-Line
Download File (nlenards/schteach/DOS_751_Research_Methods_III_Syllabus_2013_Summer-1.pdf)						
DOS 783-501	CMD Seminar III	No		3	3	On-Line
Download File (nlenards/schteach/DOS_783_CMD_Seminar_III_Syllabus_2013-1.pdf)						
DOS 793-501	Fieldwork III	No		3	4	On-Line
Download File (nlenards/schteach/DOS_793_Fieldwork_III_Syllabus_2013-1.pdf)						

Spring 2013

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 721-501	Education in Med Dos	No		12	1	On-Line
Download File (nlenards/schteach/DOS_421_521_new_syllabus_2013-1.pdf)						
DOS 731-501	Research Methods Med Dos II	No		3	2	On-Line
Download File (nlenards/schteach/DOS_731_Syllabus_2013-1.pdf)						
DOS 750-501	Professional e-Portfolio	No		7	2	On-Line
Download File (nlenards/schteach/DOS_750_Syllabus_Fall_2013-2.pdf)						
DOS 751-501	Research Methods Med Dos III	No		7	2	On-Line
Download File (nlenards/schteach/DOS_751_Research_Methods_III_Syllabus_2013-2.pdf)						
DOS 752-501	Operational Issues in Rad Onc	No		10	1	On-Line
Download File (nlenards/schteach/DOS_752_Operational_Issues_in_Rad_Onc_Syllabus_2013-1.pdf)						
DOS 782-501	CMD Seminar II	No		3	3	On-Line
Download File (nlenards/schteach/DOS_782_CMD_Seminar_II_Syllabus_2013-1.pdf)						
DOS 792-501	Fieldwork II	No		3	4	On-Line
Download File (nlenards/schteach/DOS_792_Fieldwork_II_Syllabus_2013-1.pdf)						

Fall 2012

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 412-501	Simulation Med Dos	No		14	1	On-Line
Download File (nlenards/schteach/DOS 412_512 Syllabus 2012-1.pdf)						
DOS 413-501	Anatomy for Med Dos	No		13	1	On-Line
Download File (nlenards/schteach/DOS 413_513 Syllabus 2012-1.pdf)						
DOS 512-501	Simulation Med Dos	No		9	1	
DOS 513-501	Anatomy for Med Dos	No		9	1	
DOS 710-501	Intro to Prof e-Portfolio	No		12	1	On-Line
Download File (nlenards/schteach/DOS 710 Syllabus 2012-1.pdf)						
DOS 711-501	Research Methods Med Dos I	No		12	1	On-Line
Download File (nlenards/schteach/DOS 711 Syllabus 2012-1.pdf)						
DOS 741-501	Protocols Rad Oncology	No		10	1	On-Line
Download File (nlenards/schteach/DOS 741 Syllabus 2012-1.pdf)						
DOS 781-501	CMD Seminar I	No		3	3	On-Line
Download File (nlenards/schteach/DOS 781 Syllabus 2012-1.pdf)						
DOS 791-501	Fieldwork I	No		3	4	On-Line
Download File (nlenards/schteach/DOS 791 Syllabus 2012-1.pdf)						

Summer 2012

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 731-501	Research Methods Med Dos II	No		7	2	On-Line
Download File (nlenards/schteach/DOS 731 Research Methods II Syllabus Spring 2012-3.pdf)						
DOS 750-501	Professional e-Portfolio	No		3	2	On-Line
DOS 751-501	Research Methods Med Dos III	No		3	2	On-Line
Download File (nlenards/schteach/DOS 751 Research Methods III Syllabus 2012-3.pdf)						
DOS 783-501	CMD Seminar III	No		3	3	On-Line
Download File (nlenards/schteach/DOS 783 CMD Seminar III Syllabus 2012-2.pdf)						
DOS 793-501	Fieldwork III	No		3	4	On-Line
Download File (nlenards/schteach/DOS 793 Fieldwork III 2012-2.pdf)						

Spring 2012

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 721-501	Education in Med Dos	No	No	10	1	On-Line
Download File (nlenards/schteach/DOS 721 Education Syllabus 2012-1.pdf)						
DOS 731-501	Research Methods Med Dos II	No	No	3	2	On-Line
Download File (nlenards/schteach/DOS 731 Research Methods II Syllabus Spring 2012-1.pdf)						
DOS 750-501	Professional e-Portfolio	No	No	5	2	On-Line
Download File (nlenards/schteach/DOS 750 Prof E-port Syllabus Summer 2012-1.pdf)						
DOS 751-501	Research Methods Med Dos III	No	No	5	2	On-Line
Download File (nlenards/schteach/DOS 751 Research Methods III Syllabus 2012-1.pdf)						
DOS 752-501	Operational Issues in Rad Onc	No	No	8	1	On-Line
Download File (nlenards/schteach/DOS 752 Operational Issues Syllabus 2012-1.pdf)						

DOS 782-501	CMD Seminar II	No	No	3	3	On-Line
Download File (nlenards/schteach/DOS 782 CMD Seminar II Syllabus 2012-1.pdf)						
DOS 792-501	Fieldwork II	No	No	3	4	On-Line
Download File (nlenards/schteach/DOS 792 Fieldwork II 2012-1.pdf)						

Fall 2011

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 412/512-501	Simulation Med Dos	No	No	17	1	On-Line
Download File (nlenards/schteach/DOS 412_512 Simulation Syllabus 2011-2.pdf)						
DOS 413/513-501	Anatomy for Med Dos	No	No	16	1	On-Line
Download File (nlenards/schteach/DOS 413_513 Anatomy Syllabus 2011-1.pdf)						
DOS 710-501	Intro to Prof e-Portfolio	No	No	11	1	On-Line
Download File (nlenards/schteach/DOS 710 Intro to Prof E-port Syllabus 2011-1.pdf)						
DOS 711-501	Research Methods Med Dos I	No	No	11	1	On-Line
Download File (nlenards/schteach/DOS 711 Research Methods I Syllabus 2011-1.pdf)						
DOS 741-501	Protocols Rad Oncology	No	No	8	1	On-Line
Download File (nlenards/schteach/DOS 741 Protocols Syllabus 2011-1.pdf)						
DOS 781-501	CMD Seminar I	No	No	3	3	On-Line
Download File (nlenards/schteach/DOS 781 CMD Seminar I Syllabus 2011-1.pdf)						
DOS 791-501	Fieldwork I	No	No	3	4	On-Line
Download File (nlenards/schteach/DOS 791 Fieldwork I-1.pdf)						

Summer 2011

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 731-501	Research Methods Med Dos II	No	No	5	2	On-Line
Download File (nlenards/schteach/DOS 731 Research Methods II Syllabus Spring 2012-2.pdf)						
DOS 750-501	Professional e-Portfolio	No	No	6	2	On-Line
Download File (nlenards/schteach/DOS 750 Prof E-port Syllabus Summer 2012-2.pdf)						
DOS 751-501	Research Methods Med Dos III	No	No	6	2	On-Line
Download File (nlenards/schteach/DOS 751 Research Methods III Syllabus 2012-2.pdf)						
DOS 783-501	CMD Seminar III	No	No	6	3	On-Line
Download File (nlenards/schteach/DOS 783 CMD Seminar III Syllabus 2012-1.pdf)						
DOS 793-501	Fieldwork III	No	No	6	4	On-Line
Download File (nlenards/schteach/DOS 793 Fieldwork III 2012-1.pdf)						

Spring 2011

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
DOS 721-501	Education in Med Dos	Yes	No	12	1	On-Line
Download File (lenards.nish/schteach/DOS 721 Education Syllabus 2011-1.pdf)						
DOS 731-501	Research Methods Med Dos II	Yes	No	6	2	On-Line
Download File (lenards.nish/schteach/DOS 731 Research Methods II Syllabus 2011-1.pdf)						

DOS 752-501	Operational Issues in Rad Onc	Yes	No	6	1	On-Line
Download File (lenards.nish/schteach/DOS 752 Operational Issues Syllabus 2011-1.pdf)						
DOS 782-501	CMD Seminar II	Yes	No	6	3	On-Line
Download File (lenards.nish/schteach/DOS 782 CMD Seminar I Syllabus 2010-11-1.pdf)						
DOS 792-501	Fieldwork II	Yes	No	6	4	On-Line
Download File (lenards.nish/schteach/DOS 792 Fieldwork II-1.pdf)						

B. Describe any notable pedagogical innovations that you implemented in this course during the current term

Fall 2021, DOS 513-501

This year, I am implementing a new tool in ProKnow through the use of our own ProKnow domain. The tool allows students to contour while visualizing the CT and MRI. MRI allows for better visualization of areas such as the prostate and brain. Allowing visualization with these fused datasets, students should show an improvement in contours specific to the prostate (for example).

Fall 2021, DOS 515-501

I developed a new course lecture in SoftChalk to introduce the computer software used in treatment planning systems today... Artificial Intelligence. We plan to expand on this lecture within the treatment planning course specific to automated contouring and planning tools.

<https://www.softchalkcloud.com/lesson/serve/oWG9EM3shLqjQA/html>><https://www.softchalkcloud.com/lesson/serve/oWG9EM3shLqjQA/html>

Summer 2021, DOS 541-501

I implemented the use of the Hypothes.is Annotation Tool in this course for students to be able to use a journal article to analyze and discuss as it applied to their course lecture. Question prompts were provided to initiate students towards key themes in the article. All students were required to respond to annotations.

Spring 2021, DOS 522-501

A video library was created with tutorials for various types of calculations taught within the course. This was added as an introduction to the course modules so that within each weekly module, a link back to the video library could be used. This was an important project because, while lectures have embedded videos, the library offers additional resources and videos that may supplement.

Spring 2021, DOS 531-501

A new immunotherapy lecture was developed to supplement the limited material available in the text specific to this subject matter. Immunotherapy treatment is increasing and being used for many radiation oncology patients therefore it is necessary to cover this material in our program. Furthermore, to assess the student learning of this new topic, a new discussion forum was developed with additional resources provided.

<https://www.softchalkcloud.com/lesson/serve/7OLasYI9vXc0kl/html>><https://www.softchalkcloud.com/lesson/serve/7OLasYI9vXc0kl/html>

Spring 2021, DOS 711-501

Over the course of a few cohorts, we have worked to improve the SoftChalk lectures and include assessment within the lectures. This spring, the lecture assessment in this course was much more comprehensive due to expanding the content and assessment questions. This method of instruction allows for direct assessment as students are learning the material. The idea is to introduce the material, provide examples, and then assess immediately within the lecture.

Fall 2020, DOS 518-501

A new interview stream tool was available via the AAMD professional organization. We had to incorporate the project and questions into a database with their system so students could perform the interviewing based on prompts. The videos were linked to the course so each student could critique each other's interview videos

Spring 2020, DOS 522-501

With the use of project-based learning (PBL), we implemented 2 projects into this course in Spring 2020 that involved real-world scenarios and required students to use critical thinking and problem-solving skills. (1) Correcting for incorrect radiation delivery: problems were presented as case studies in how incorrect radiation was delivered to a patient. Students had to determine what dose was delivered and based on

physician direction, how to effectively calculate and redistribute the calculation correctly moving forward. (2) Mantle irregular field calculation: students were given an irregular field calculation as a lab project as these are not commonly treated in clinic anymore but required for a competency. They were given a plan with required calculation points and depths for calculation. They were required to manually calculate dose to the mid-plane of these points to determine what radiation dose the patient received at all nodal regions. This lab allowed them to use the principles they learned in the course and understand irregular field calculations.

Fall 2019, DOS 518-501

Radiation Oncology Incident Learning System (ROILS) is an international system aimed at facilitating a safer and higher quality care in radiation oncology by providing a mechanism for shared learning in a secure and non-punitive environment. Using a case-based learning pedagogy, I implemented ROILS into the curriculum and allowed students to choose from several 'incident' case studies. Students were required to evaluate the error pathway and what went wrong, submit at least 2 contributing factors that led to the error as well as 2 actions and/or recommendations that may prevent the error from reaching another patient.

Spring 2019, DOS 711-501

New SoftChalk lectures were developed based on prior year difficulties with student learning. Assessment is built into SoftChalk lectures. Students can evaluate understanding of material as they progress through the lecture.

Fall 2017, DOS 513-501

A web-based software tool called ProKnow was introduced to the students during this anatomy course. It's a radiation oncology/medical dosimetry specific anatomical contouring analytical tool that measures accuracy of contouring. Students were required to complete certain modules of contouring to measure beginner level skills and then we will have them contour the same modules at the end of their training to measure progress/learning.

Fall 2016, DOS 513-501

This course was completely redesigned. Starting from the Humanized syllabus (<http://nlenards.populr.me/dos-513-cross-sectional-anatomy-1>) to each individual module redesigned. The humanized syllabus brings human connection to the students by providing video introduction and explanation from the instructors. More visual/graphical representation of course layout. A PDF of the syllabi was also provided. Each module had new adobe captivate lectures with audio lectures to support the screencast recordings the instructor provides.

Spring 2012, DOS 721-501

I developed a new project for this course. The students interviewed 2 individuals regarding what they considered mentors to be. They created a PowerPoint presentation about mentors and then recorded an oral presentation in video format and uploaded to the YouSeeU web-based tool. Both PowerPoint and video presentations were synchronized into one presentation on mentoring.

Spring 2012, DOS 750-501

Building on the change in the introductory course, this course was also changed to use the Weebly website for student e-portfolios. The student e-portfolio was a comprehensive layout of the template I built in the Weebly sample e-portfolio. Students were required to acquire a peer review and an outside review of their e-portfolio.

Fall 2011, DOS 413/513-501

I started providing a live lecture to demonstrate the outlining of structures as they would be contoured in the clinical setting. I used the "online room" feature of D2L. Student feedback of the live lectures was exceptional.

Fall 2011, DOS 741-501

I added a new project to the course via YouSeeU. This is a web-based Video/Oral presentation tool. Students created a PowerPoint presentation on a clinical protocol and then they had to record an oral presentation via a video recorder. They synchronized both presentations into the YouSeeU web tool so that both presentations were viewed at the same time. Students were graded based on a rubric developed for this project.

C. Describe high impact practices in this course that align with strategic initiatives within the university, college, and/or department (e.g., internationalization, community engagement, diversity and equity, etc.)

Spring 2021, DOS 750-501

Humanized syllabus is used to help initiate the student-teacher interaction and support an online collaborative community: <http://nlenards.populr.me/dos-750-professional-e-portfolio-1>

Fall 2017, DOS 518-501

There were new modules developed as this course was a revision/combination of curriculum from 2 prior courses. The modules better prepare students for the professional environment and issues in radiation oncology.

Summer 2017, DOS 525-501

There were several new teaching files (lectures/materials) developed, updated and added to this course to expand the curriculum due to lower national board exam scores nationally. This also led to the development of online labs for students where they can experience brachytherapy procedures that are not commonly seen in their department or healthcare system.

Spring 2017, DOS 750-501

Web-based software is used for the student e-portfolios which is ever-changing. New screencast tutorials were made to instruct students how to navigate the software, create menu items and various other instructional tools. The instructor created a library of tutorials for reference that is easily accessible for students.

Fall 2016, DOS 513-501

Multimodality: Each module developed included an adobe captivate lecture with audio lecture and interactive components. Practice problems were integrated into D2L so students were provided a hard copy in advance but could submit the answers via D2L quiz area and get auto grading immediately. The instructor also provided screencast tutorials demonstrating hand drawn anatomical contours while teaching concepts. A competency exam was created in D2L to be completed at the end of each module with images included for anatomy to be identified.

Spring 2011, DOS 731-501

All teaching material is new for this course. This is the first of a three phase research course. The course includes reading, various weekly activities and discussions, and a mini-proposal research paper.

Spring 2011, DOS 782-501

All material for this course is new. This is the first year for this course offering. This course is designed as a review of core coursework and then a competency-based testing for individuals working in the field.

D. Assessment

1. Direct Measure of Student Learning

Fall 2021, DOS 513-501

While assessment data is not collected at this time, the attached image shows the introduction of fused image datasets (in our new ProKnow domain) so students should perform better by using a MRI for contouring anatomical structures in the pelvis area.

[Download File \(nlenards/schteach/PK FUSION_PETCT_new-1.png\)](#)

Fall 2021, DOS 514-501

The attached is an example of auto-graded practice problems in this course. The ongoing practice problems weekly help to ensure students review weaknesses before taking the exam for that module.

[Download File \(nlenards/schteach/auto gr PP Physics 2021-1.png\)](#)

Summer 2021, DOS 541-501

This is the first time I used the annotation tool in Canvas. The attached is a screen capture of a student annotation to something in the journal article and another student responding.

[Download File \(nlenards/schteach/RadBio annotation 2021-1.png\)](#)

Spring 2021, DOS 522-501

Attenuation Project: The attachment is an example of a student intern at Mayo Clinic in Rochester measuring wedge device transmission factor to be used in a dose calculation.

[Download File \(nlenards/schteach/JennaCimmiyotti_AttenuationPaper-1.pdf\)](#)

Spring 2021, DOS 531-501

The attachment demonstrates a discussion forum post specific to the new immunotherapy lecture and subject matter. A rubric was used to assess student learning and posting guidelines.

[Download File \(nlenards/schteach/DOS 531 discussion-1.jpg\)](#)

Spring 2021, DOS 711-501

The attachment is a screen capture of the SoftChalk lecture assessment used for this course. Students can see strengths and weaknesses of their assessment of learning within the lecture.

[Download File \(nlenards/schteach/DOS 711 softchalk assessment-1.jpg\)](#)

Spring 2021, DOS 750-501

The attachment includes a screen capture of a discussion post based on the prompt and rubric grading.

[Download File \(nlenards/schteach/DOS 750 spring discussion-1.pdf\)](#)

Spring 2021, DOS 781-501

The attachment demonstrates a screen capture of a few questions at the beginning of one competency exam.

[Download File \(nlenards/schteach/DOS 781 comp exam-1.pdf\)](#)

Fall 2020, DOS 513-501

In this course, one of the assessment measures includes a pre-post test condition. We perform the pre-post contouring of the male pelvis to see if their skills improved after a significant amount of contouring (practice) in the clinic. The attachment demonstrates the ProKnow dashboard (p1), the contouring window (p2), and the 2019-20 cohort pre and post contouring dice-coefficient scores (p3).

[Download File \(nlenards/schteach/ProKnow contouring pre and post test-2.pdf\)](#)

Fall 2020, DOS 514-501

In this course, SoftChalk lectures provide intra-lecture assessment to gauge whether students are understanding the material as they move through the lecture. The attached file shows a few examples of intra-lecture assessment activities.

[Download File \(nlenards/schteach/softchalk assessment physics 2020-1.pdf\)](#)

Fall 2020, DOS 514-501

Practice problems are used frequently in the program coursework due to the requirement of sitting for a national board exam after graduation. The attachment demonstrates a screen capture of a few practice problems completed by a student.

[Download File \(nlenards/schteach/DOS514 PP-1.pdf\)](#)

Fall 2020, DOS 518-501

A mock interview was carried out through the professional organization's (AAMD) platform called Interview Stream. Prompts were available to ask them questions and the students had to respond to those questions. The attachment is a screen capture of one of the student video recordings for the mock interview. A rubric was used for grading.

[Download File \(nlenards/schteach/DOS518interview-1.pdf\)](#)

Fall 2020, DOS 750-501

The attachment is a screen capture of the program e-portfolio website with e-portfolio URL address links for the two most recent cohorts.

[Download File \(nlenards/schteach/eport page-1.pdf\)](#)

Fall 2020, DOS 750-501

Sometimes, I record screencasts for the entire class to help them with the assignments. An example of a general screencast to the entire class is attached.

[Download File \(nlenards/schteach/Help_with_Links_in_Eport-1.mp4\)](#)

Fall 2020, DOS 751-501

The attachment provides an example of a completed research project which eventually led to publication.

[Download File \(nlenards/schteach/publication-1.pdf\)](#)

Summer 2020, DOS 731-501

For the outline assignments, feedback is provided and a rubric is used for outline grading. The attachment is a screen capture example of an outline revision of a student research group.

[Download File \(nlenards/schteach/DOS731outline-1.pdf\)](#)

Summer 2020, DOS 741-501

The students use MyMedia to present the protocol of their choice and follow required criteria to complete the presentation. A rubric is used for grading the presentation. The attached is a screen capture of a presentation and the rubric grading.

[Download File \(nlenards/schteach/DOS741presentation-1.pdf\)](#)

Spring 2020, DOS 522-501

1. Incorrect radiation dose activity and assessment (as described in new pedagogical innovation). The attachment shows the activity as well as an example of a student submitting answers via Canvas quiz tool and auto-grading.

[Download File \(nlenards/schteach/Incorrect rad dose activity and assessment-1.pdf\)](#)

Spring 2020, DOS 522-501

2. Mantle Lab activity and assessment (as described in new pedagogical innovation). The attachment shows the activity as well as an example of a student submission with Canvas grade.

[Download File \(nlenards/schteach/Mantle Lab activity and assessment-1.pdf\)](#)

Fall 2019, DOS 513-501

The attached is an example of a completed student quiz for the neck region.

[Download File \(nlenards/schteach/Mod 5 Neck QUIZ \(Nishele Lecture\) - Requires Respondus LockDown Browser + Webcam SpeedGrader Anatomy for Medical Dosimetrists-1.pdf\)](#)

Fall 2019, DOS 518-501

As described above in Innovative Pedagogy introduced in this course, the ROILS assignment was implemented. The attached is a student submission and the rubric used to grade with instructor feedback at the end.

[Download File \(nlenards/schteach/ROILS submission and grading-1.pdf\)](#)

Spring 2019, DOS 522-501

The attenuation project is assigned to assess learning of course materials and hands-on application. Students must demonstrate measurement of a device placed in the path of the radiation beam, calculate a factor to be used in a dose calculation, and then actually apply that factor in a calculation. The attachment shows a student paper with the rubric grading in Canvas shown.

[Download File \(nlenards/schteach/attenuationproject2019-1.pdf\)](#)

Fall 2018, DOS 513-501

Auto-graded practice problems. This helps prepare for the upcoming quiz for that anatomic section.

[Download File \(nlenards/schteach/anatomy PP-1.png\)](#)

Spring 2018, DOS 711-501

AMA Challenge Activity: Students work in small groups to correct the AMA formatting. This fulfills one of the course learning objectives.

[Download File \(nlenards/schteach/AMA Challenge 2018 Final_Group 6-1.pdf\)](#)

Fall 2017, DOS 513-501

Thorax Practice Problems: Attached is a sample of practiced problems completed prior to the quiz.

[Download File \(nlenards/schteach/Thorax PP-1.pdf\)](#)

Fall 2017, DOS 513-501

Thorax Quiz: the students complete a quiz after lectures and practice problems.

[Download File \(nlenards/schteach/Thorax quiz-1.pdf\)](#)

Fall 2017, DOS 518-501

Paper: a safety paper was introduced in this course and a rubric was developed for grading.

[Download File \(nlenards/schteach/safety paper with rubric-1.pdf\)](#)

Summer 2017, DOS 782-501

The attached is a pre and post test for the course.

[Download File \(nlenards/schteach/DOS 782 pre and post-1.pdf\)](#)

Spring 2017, DOS 750-501

Rubric used to grade final e-portfolio development.

[Download File \(nlenards/schteach/eportfolio project final grading-1.doc\)](#)

Spring 2017, DOS 781-501

Exams in D2L are used to assess students for competency in each subject matter for each module. An example of a competency exam is attached.

[Download File \(nlenards/schteach/Quiz - DOS 781 CMD Seminar I \(2017\) - La Crosse-1.pdf\)](#)

Fall 2016, DOS 513-501

Practice problems are used to allow students to test themselves on anatomic structures prior to the exam. A sample of a practice problem is attached.

[Download File \(nlenards/schteach/Practice Problems - DOS 513 Anatomy for Med Dos \(2016\) - La Crosse-1.pdf\)](#)

Fall 2016, DOS 513-501

A competency exam is used to assess student learning of anatomical structures at the end of each module. A sample of a competency exam is attached.

[Download File \(nlenards/schteach/exam DOS 513 Anatomy for Med Dos \(2016\) - La Crosse_Redacted-1.pdf\)](#)

Fall 2016, DOS 750-501

Rubric for final e-portfolio grading

[Download File \(nlenards/schteach/eportfolio rubric final grading-1.pdf\)](#)

Fall 2016, DOS 751-501

There are several revisions of the student research papers. A rubric is used to grade the revisions. The attached rubric used for assessing drafts of research papers.

[Download File \(nlenards/schteach/Final Paper Rubric 2015 WIDE-1.pdf\)](#)

Fall 2016, DOS 752-501

A budget activity is used in this course to assess their learning of budgeting in radiation oncology management.

[Download File \(nlenards/schteach/Budget activity-1.pdf\)](#)

Summer 2016, DOS 741-501

Oral presentation with PPT slides through use of MyMedia to demonstrate knowledge of a clinical protocol in radiation oncology. The attached is the rubric used to grade the presentation/project.

[Download File \(nlenards/schteach/PowerPoint and Oral Presentation Rubric wide-1.pdf\)](#)

Spring 2011, DOS 721-501

Activity: review of mentoring articles and prepare a written analysis of the key components of a mentoring program.

[Download File \(lenards.nish/schteach/Activity mentoring-1.pdf\)](#)

Spring 2011, DOS 731-501

The final project was a mini proposal of their research project. See attached sampling activity.

[Download File \(lenards.nish/schteach/sampling-1.pdf\)](#)

Spring 2011, DOS 752-501

Student completion of a patient case for billing and coding in radiation oncology.

[Download File \(lenards.nish/schteach/M case study-1.pdf\)](#)

Spring 2011, DOS 792-501

Monthly case studies are evaluated.

[Download File \(lenards.nish/schteach/Monthly-1.pdf\)](#)

2. Indirect Measure of Student Learning

Two parts: Student self-reflections and program-specific course/instructor evaluations.

Student Self-Reflections

Part of indirect measures of student learning in my courses includes a self-reflection completed by students at the end of the course. Students reflect on the course and their learning. The feedback is used for advising and/or changes to the course in the future.

Summer 2021, DOS 541-501

This specific student commented (attached) on the newly implemented annotation tool used for discussions. This positive feedback is helpful in determining if it should be used in the future.

[Download File \(nlenards/schteach/student comment annotation RadBio 2021-1.png\)](#)

Spring 2021, DOS 711-501

[Download File \(nlenards/schteach/DOS 711 Self reflection-2.pdf\)](#)

Fall 2020, DOS 513-501

[Download File \(nlenards/schteach/DOS 513 Self-Reflection Fall2020-1.pdf\)](#)

Spring 2020, DOS 522-501

[Download File \(nlenards/schteach/DOS 522 Self-Reflection SpeedGrader Radiation Dose Calculations-1.pdf\)](#)

Spring 2020, DOS 711-501

[Download File \(nlenards/schteach/Week 15 DOS 711 Self-Reflection SpeedGrader Research Methodology in Medical Dosimetry I-1.pdf\)](#)

Spring 2020, DOS 750-501

[Download File \(nlenards/schteach/DOS 750 Self-Reflection SpeedGrader Professional e-Portfolio-1.pdf\)](#)

Spring 2020, DOS 781-501

[Download File \(nlenards/schteach/DOS 781 Self-Reflection SpeedGrader CMD Seminar I-1.pdf\)](#)

Fall 2019, DOS 513-501

[Download File \(nlenards/schteach/DOS 513 Self-Reflection SpeedGrader Anatomy for Medical Dosimetrists-1.pdf\)](#)

Fall 2019, DOS 514-501

[Download File \(nlenards/schteach/DOS 514 Self-Reflection SpeedGrader Physics Fundamentals for Medical Dosimetrists-1.pdf\)](#)

Fall 2019, DOS 518-501

[Download File \(nlenards/schteach/DOS 518 Self-Reflection SpeedGrader Professional Issues in Medical Dosimetry-1.pdf\)](#)

Fall 2019, DOS 750-501

[Download File \(nlenards/schteach/DOS 750 Self-Reflection SpeedGrader Professional e-Portfolio-2.pdf\)](#)

Spring 2018, DOS 711-501

[Download File \(nlenards/schteach/DOS 711 Self Reflection -1.pdf\)](#)

Spring 2018, DOS 750-501

[Download File \(nlenards/schteach/DOS 750 Self reflection-1.pdf\)](#)

Spring 2018, DOS 781-501

[Download File \(nlenards/schteach/DOS 781 self reflection-1.pdf\)](#)

Fall 2017, DOS 513-501

[Download File \(nlenards/schteach/DOS 513 self reflection-1.pdf\)](#)

Fall 2017, DOS 514-501

[Download File \(nlenards/schteach/DOS 514 self reflection-1.pdf\)](#)

Fall 2017, DOS 518-501

[Download File \(nlenards/schteach/DOS 518 self reflection-1.pdf\)](#)

Fall 2017, DOS 750-501

[Download File \(nlenards/schteach/DOS 750 Fall 2017 self reflection-1.pdf\)](#)

Fall 2017, DOS 751-501

[Download File \(nlenards/schteach/DOS 751 self reflection-1.pdf\)](#)

Summer 2017, DOS 731-501

[Download File \(nlenards/schteach/DOS 731 self reflection-1.pdf\)](#)

Summer 2017, DOS 741-501

[Download File \(nlenards/schteach/DOS 741 self reflection-1.pdf\)](#)

Course/Instructor Evaluations

Another indirect measure of student learning includes our program-specific course/instructor evaluation at the end of each course. These are used to help make improvements in the future.

Fall 2020, DOS 750-501

[Download File \(nlenards/schteach/DOS 750 Lenards 2020-1.pdf\)](#)

Spring 2020, DOS 711-501

[Download File \(nlenards/schteach/DOS 711 evals-1.pdf\)](#)

Spring 2020, DOS 750-501

[Download File \(nlenards/schteach/DOS 750 Spring 2020 copy-1.pdf\)](#)

Spring 2020, DOS 781-501

[Download File \(nlenards/schteach/DOS 781 Spring 2020 copy-1.pdf\)](#)

Fall 2019, DOS 514-501

[Download File \(nlenards/schteach/DOS 514 Fall 2019 copy-1.pdf\)](#)

Fall 2019, DOS 518-501

[Download File \(nlenards/schteach/DOS 518 Passmore Fall 2019-1.pdf\)](#)

Fall 2019, DOS 750-501

[Download File \(nlenards/schteach/DOS 750 Lenards Fall 2019-1.pdf\)](#)

Fall 2019, DOS 783-501

[Download File \(nlenards/schteach/DOS 783 Lenards Fall 2019-1.pdf\)](#)

Spring 2019, DOS 711-501

Course/instructor evaluation excerpt with suggestion to start literature review for a topic earlier in the program. We also think this would improve the pace of their research projects; therefore, re-arrange curriculum as necessary next year.

[Download File \(nlenards/schteach/DOS 711 feedback 2019-1.pdf\)](#)

Spring 2019, DOS 750-501

[Download File \(nlenards/schteach/Lenards DOS 750 Track C-1.pdf\)](#)

Spring 2019, DOS 781-501

[Download File \(nlenards/schteach/Lenards DOS 781 CMD Seminar I-1.pdf\)](#)

Fall 2018, DOS 750-501

[Download File \(nlenards/schteach/DOS 750 Fall Lenards-1.pdf\)](#)

Summer 2018, DOS 782-501

[Download File \(nlenards/schteach/DOS 782 Lenards -1.pdf\)](#)

Spring 2018, DOS 711-501

[Download File \(nlenards/schteach/DOS 711 course eval-1.pdf\)](#)

Spring 2018, DOS 750-501

[Download File \(nlenards/schteach/DOS 750 Spring 2018-1.pdf\)](#)

Spring 2018, DOS 781-501

[Download File \(nlenards/schteach/DOS 781 Spring 2018-1.pdf\)](#)

Fall 2017, DOS 513-501

[Download File \(nlenards/schteach/DOS 513 Anatomy Course Eval Fall 2017-1.pdf\)](#)

Fall 2017, DOS 783-501

[Download File \(nlenards/schteach/DOS 783 Fall 2017-1.pdf\)](#)

Summer 2017, DOS 525-501

[Download File \(nlenards/schteach/DOS 525 eval-1.pdf\)](#)

Summer 2017, DOS 782-501

[Download File \(nlenards/schteach/DOS 782 CMD Seminar II Summer 2017-1.pdf\)](#)

Spring 2017, DOS 750-501

[Download File \(nlenards/schteach/DOS 750 Professional ePort Course Evaluation Spring 2017-1.pdf\)](#)

Spring 2017, DOS 781-501

[Download File \(nlenards/schteach/DOS 781 Seminar for CMD I Course Evaluation 2017-1.pdf\)](#)

Fall 2016, DOS 513-501

[Download File \(nlenards/schteach/DOS513_AB_Lenards_2016-1.pdf\)](#)

Fall 2016, DOS 750-501

[Download File \(nlenards/schteach/DOS750_AB_Lenards_2016-1.pdf\)](#)

Fall 2016, DOS 752-501

[Download File \(nlenards/schteach/DOS752_AB_Lenards_2016-1.pdf\)](#)

Fall 2016, DOS 783-501

[Download File \(nlenards/schteach/DOS783_C_Lenards_2016-1.pdf\)](#)

Summer 2016, DOS 741-501

[Download File \(nlenards/schteach/DOS741_AB_Lenards_2016-1.pdf\)](#)

Summer 2016, DOS 741-501

[Download File \(nlenards/schteach/DOS741_C_Lenards_2016-1.pdf\)](#)

Summer 2016, DOS 782-501

[Download File \(nlenards/schteach/DOS782_C_Lenards_2016-1.pdf\)](#)

Spring 2012, DOS 721-501

[Download File \(nlenards/schteach/DOS 721 Spring 2012-1.pdf\)](#)

Spring 2012, DOS 731-501

[Download File \(nlenards/schteach/DOS 731 Spring 2012-1.pdf\)](#)

Spring 2012, DOS 750-501

[Download File \(nlenards/schteach/DOS 750 Spring 2012-1.pdf\)](#)

Spring 2012, DOS 751-501

[Download File \(nlenards/schteach/DOS 751 Spring 2012-1.pdf\)](#)

Spring 2012, DOS 752-501

[Download File \(nlenards/schteach/DOS 752 Spring 2012-1.pdf\)](#)

Spring 2012, DOS 782-501

[Download File \(nlenards/schteach/DOS 782 Spring 2012-1.pdf\)](#)

Spring 2012, DOS 792-501

[Download File \(nlenards/schteach/DOS 792 Spring 2012-1.pdf\)](#)

Fall 2011, DOS 412/512-501

[Download File \(nlenards/schteach/DOS 412_512 Fall 2011-1.pdf\)](#)

Fall 2011, DOS 413/513-501

[Download File \(nlenards/schteach/DOS 413_513 Fall 2011-1.pdf\)](#)

Fall 2011, DOS 711-501

[Download File \(nlenards/schteach/DOS 711 Fall 2011-1.pdf\)](#)

Fall 2011, DOS 741-501

[Download File \(nlenards/schteach/DOS 741 Fall 2011-1.pdf\)](#)

Fall 2011, DOS 781-501

[Download File \(nlenards/schteach/DOS 781 Fall 2011-1.pdf\)](#)

Fall 2011, DOS 791-501

[Download File \(nlenards/schteach/DOS 791 Fall 2011-1.pdf\)](#)

Spring 2011, DOS 721-501

[Download File \(lenards.nish/schteach/721-1.pdf\)](#)

Spring 2011, DOS 731-501

[Download File \(lenards.nish/schteach/731-1.pdf\)](#)

Spring 2011, DOS 752-501

[Download File \(lenards.nish/schteach/752-1.pdf\)](#)

Spring 2011, DOS 782-501

[Download File \(lenards.nish/schteach/782-1.pdf\)](#)

Spring 2011, DOS 792-501

[Download File \(lenards.nish/schteach/792-1.pdf\)](#)

3. Case Studies or Sample Work by Students

Summer 2021, DOS 741-501

A sample of a current student protocol presentation (stored in MyMedia at this time):

<https://mymedia.uwlax.edu/Mediasite/Play/15c91912072640148a27d2c879bbbe291d?>

Fall 2020, DOS 513-501

This is an example of a consensus view of all student contouring of the rectum (pre-clinical) on a CT Dataset. The yellow is the expert, the colored lines represent the percentage of students who contoured closest to the expert contours. Each student contour submission for rectum is scored and also compared to their peers.

[Download File \(nlenards/schteach/consensus_rectum_contours DOS513_2020-1.png\)](#)

Fall 2020, DOS 518-501

This is an example of a mock interview (through the use of Interview Stream) from one of the students in this cohort. <https://aamd.interviewstream.com/link/?xhaJfJCeS3hd>. A screen capture is attached in the event that the Interview Stream link becomes inactive.

[Download File \(nlenards/schteach/DOS 518 Fall 2020 Interview screencapture-1.png\)](#)

Spring 2020, DOS 750-501

All student e-portfolios are reviewed and provided feedback via screencast. URL links are provided to students to view the screencast video's and can 'walk through' the feedback and see the screen while hearing the instructor feedback. This is an e-portfolio from this cohort class: <https://danakoller.weebly.com>

Summer 2018, DOS 731-501

Most of the feedback given to students in the research series courses is in the form of MS Word text and a recorded screencast to explain more in-depth concepts or concerns. The attached is a sample screencast of feedback for a group research paper.

[Download File \(nlenards/schteach/Group 9 Draft 1 18-19-1.mp4\)](#)

Summer 2018, DOS 731-501

Sometimes the screencast feedback focuses on simple formatting issues that seem to be repetitive in nature. The attached is a short screencast recording to show in-text citations when using et al and commas.

[Download File \(nlenards/schteach/Group 6 et al and commas-1.mp4\)](#)

Spring 2018, DOS 711-501

This is a case study paper submitted by a student near the end of the course to use various research skills learned throughout the course. The paper should demonstrate literature review, citation, AMA formatting, inclusion of figures and tables, etc. The rubric is used for grading the case study. This is an introductory paper to prepare for the larger research project the students will begin during the last few weeks of the course.

[Download File \(nlenards/schteach/case study with rubric-1.pdf\)](#)

Spring 2018, DOS 750-501

E-portfolio: An example of a student e-portfolio completed during this course:

<https://jeanettekeil.weebly.com/>

Fall 2017, DOS 518-501

Interview stream: students use a tool called Interview Stream (provided through the professional organization) and they must answer specific question while being video recorded and appear as though they are being interviewed. Attached is a rubric used for grading.

[Download File \(nlenards/schteach/Interview_Video_Rubric_with_participation-1.pdf\)](#)

Fall 2017, DOS 750-501

Eportfolios developed during this course for fall 2017

<http://medicaldosimetryeportfolios.weebly.com/academic-year-2017-18.html>

Fall 2017, DOS 751-501

Research paper with rubric (recent and old): this is a FINAL completed research paper with the graded rubric. Earlier version is attached with rubric. Throughout stages of research, the students receive a screencast recording where the instructor goes through each page and discusses the correction and provides explanations.

[Download File \(nlenards/schteach/Group 1 research paper revisions-1.pdf\)](#)

Summer 2017, DOS 731-501

Draft 1 of research paper: this is an example of a first draft of the beginning stages of a research paper by a group of students. The rubric is also included. This paper is expanded on in the fall semester research course with multiple revisions.

[Download File \(nlenards/schteach/group 1 draft 1 -1.pdf\)](#)

Summer 2017, DOS 741-501

Oral/Video Protocol presentations: students are required to investigate a current clinical protocol and prepare a PPT presentation and use MyMedia to present this to the class. A rubric is provided to ensure everything is included in the presentation. Audio file feedback is also provided to the students. The student presentations were not exported to embed in their e-portfolio so the UWL mediasite links expired. However, examples of rubrics are attached.

[Download File \(nlenards/schteach/student feedback for protocol-1.pdf\)](#)

Fall 2016, DOS 751-501

An example of a final case study paper written by students submitted for publication and currently accepted to be published by the medical dosimetry journal.

[Download File \(nlenards/schteach/Group1-1.docx\)](#)

Spring 2012, DOS 752-501

Sample budget activity completed by a student

[Download File \(nlenards/schteach/Operational Issues Sample Activity-1.pdf\)](#)

Spring 2012, DOS 792-501

Example of a semester-end case study submitted by student, annotated by me as the instructor
[Download File \(nlenards/schteach/Fieldwork II Case Study Sample-1.pdf\)](#)

Fall 2011, DOS 791-501

Example of a semester one monthly case study submitted by a student, annotated by me as the instructor.

[Download File \(nlenards/schteach/Fieldwork I Case Study Example-1.pdf\)](#)

Spring 2011, DOS 721-501

Board exam question writing.

[Download File \(lenards.nish/schteach/721 activity-1.pdf\)](#)

Spring 2011, DOS 731-501

This is a sample of a mini proposal submitted by a student.

[Download File \(lenards.nish/schteach/mini proposal-1.pdf\)](#)

Spring 2011, DOS 752-501

Evaluation of a real budget worksheet. Answer questions about the budget.

[Download File \(lenards.nish/schteach/Budget-1.pdf\)](#)

E. Advising

28 graduate students advised. (2021-2022).

30 graduate students advised. (2020-2021).

31 graduate students advised. (2019-2020).

32 graduate students advised. (2018-2019).

35 graduate students advised. (2017-2018).

21 graduate students advised. (2016-2017).

31 graduate students advised. (2015-2016).

1 undergraduate student advised, 36 graduate students advised. (2014-2015).

19 graduate students advised. (2013-2014).

15 graduate students advised. (2012-2013).

13 undergraduate students advised, 15 graduate students advised. (2011-2012).

13 undergraduate students advised, 11 graduate students advised. (2010-2011).

F. Grants

Lenards, Nishele D, "Online Course Development Grant"(Funded), UWL Grant, Amount Funded: \$1000. (July 2014).

[Download File \(nlenards/congrant_internal/2014 Online Grant letter_checklist eval-2.pdf\)](#)

G. Additional Teaching Evidence

Peer evaluation completed by Elizabeth Hilsendager.

[Download File \(nlenards/retention_tenure/NL_peer_review_12-13-1.pdf\)](#)

IV. SCHOLARSHIP

A. Intellectual Contributions

Published and Accepted

1. Dissertation

Lenards, N. D. (2017). *Student Perceptions of Asynchronous Multimodal Instructor Feedback: A Multiple Case Study* (pp. 158). ProQuest LLC. (Published: October (4th Quarter/Autumn) 2017). <https://eric.ed.gov/?id=ED581079>

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Lenards, Nishele D.	First author major contributor	International

[Download File \(nlenards/intellcont/Lenards ProQuest Dissertation 2017-1.pdf\)](#)

2. Journal Article, Professional Journal

Hadsell, C., **Lenards, N. D.** (2021). The effect of measurement geometry on patient specific QA pass/fail rates for stereotactic body radiation therapy (SBRT) Plans. *Medical Dosimetry, In Press*. (Published: June 21, 2021). [https://www.meddos.org/article/S0958-3947\(21\)00048-0/fulltext](https://www.meddos.org/article/S0958-3947(21)00048-0/fulltext)

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Blind-Reviewed	%	Hadsell, Courtney Lenards, Nishele D.	Other (indicate)	International

[Download File \(nlenards/intellcont/PIIS0958394721000480-1.pdf\)](#)

Wilson, A., Keefe, J., Habibulla, H., **Lenards, N. D.** (2021). Incidence of work-related musculoskeletal disorders in medical dosimetry. *Medical Dosimetry, In press*. (Published: May 2021).

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Wilson, Alecia Keefe, John Habibulla, Hanaan Lenards, Nishele D.	Other (indicate)	International

[Download File \(nlenards/intellcont/PIIS0958394721000443-1.pdf\)](#)

Casto, Z., Liu, M., **Lenards, N. D.** (2021). Multiple case dosimetric evaluation of VMAT scalp irradiation using 3D milled bolus. *Medical Dosimetry, In Press*. (Published: May 2021). [https://www.meddos.org/article/S0958-3947\(21\)00028-5/fulltext](https://www.meddos.org/article/S0958-3947(21)00028-5/fulltext)

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Casto, Zachary Liu, Michal Lenards, Nishele D.	Other (indicate)	International

[Download File \(nlenards/intellcont/Casto et al-1.pdf\)](#)

Wilson, L., Rohe, R., **Lenards, N. D.** (2021). Minimizing clearance issues with prone breast patients on Varian linear accelerators through isocenter placement. *Medical Dosimetry, In Press*. (Published: April (2nd Quarter/Spring) 2021). [https://www.meddos.org/article/S0958-3947\(21\)00024-8/fulltext](https://www.meddos.org/article/S0958-3947(21)00024-8/fulltext)

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation

Peer-reviewed	%	Wilson, Lauren Rohe, Rob Lenards, Nishele D.	Other (indicate)	International
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[Download File \(nlenards/intellcont/Wilson et al 2021-1.pdf\)](#)

Yiga, T., Lin, T., Williamson, B., **Lenards, N. D.** (2021). A case study of evaluating bilateral lung dose for VMAT treatment planning using a partial sagittal arc. *Medical Dosimetry, In Press*. (Published: January (1st Quarter/Winter) 2021).

[https://www.meddos.org/article/S0958-3947\(21\)00001-7/fulltext](https://www.meddos.org/article/S0958-3947(21)00001-7/fulltext)

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Yiga, Tenzin Lin, Tiffany Williamson, Brandon Lenards, Nishele D.	Other (indicate)	International

[Download File \(nlenards/intellcont/Yiga et al 2020-1.pdf\)](#)

Deiter, N., Chu, F., **Lenards, N. D.** (2020). Evaluation of replanning in intensity-modulated proton therapy for oropharyngeal cancer: Factors influencing plan robustness. *Medical Dosimetry, 45(4)*, 384-392. (Published: July (3rd Quarter/Summer) 2020).

[https://www.meddos.org/article/S0958-3947\(20\)30100-X/fulltext](https://www.meddos.org/article/S0958-3947(20)30100-X/fulltext)

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Deiter, Noelle Chu, Felicia Lenards, Nishele D.	Other (indicate)	International

[Download File \(nlenards/intellcont/Deiter et al 2020-1.pdf\)](#)

Lenards, N. D. (2020). A Quantitative Comparative Study of Medical Dosimetry Graduates with and without Prior Radiation Therapy Certification. *Medical Dosimetry, 45(4)*, 374-381. (Accepted: May 2020, Published: July (3rd Quarter/Summer) 2020).

[https://www.meddos.org/article/S0958-3947\(20\)30097-2/fulltext](https://www.meddos.org/article/S0958-3947(20)30097-2/fulltext)

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Lenards, Nishele D.	First author major contributor	International

[Download File \(nlenards/intellcont/Lenards 2020-1.pdf\)](#)

Eskens, M., Nguyen, H., Deere, W., **Lenards, N. D.** (2020). A retrospective evaluation of mixed energy volumetric modulated arc therapy for anal cancers with lymph node involvement. *Medical Dosimetry, 45(4)*, 339-345. (Submitted: December 2019, Published: July (3rd Quarter/Summer) 2020). [https://www.meddos.org/article/S0958-3947\(20\)30043-1/fulltext](https://www.meddos.org/article/S0958-3947(20)30043-1/fulltext)

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Eskens, Mikayla Nguyen, Helen Deere, William Lenards, Nishele D.	Other (indicate)	International

[Download File \(nlenards/intellcont/Eskens et al 2020-1.pdf\)](#)

Gustafson, N., Burrier, T., Butler, B., Hunzeker, A., **Lenards, N. D.**, Culp, L. (2020). Correlation of hot spot to breast separation in patients treated with post-lumpectomy tangent 3D-CRT using field-in-field technique and mixed photon energies. *Medical Dosimetry*, 45(2), 134-139. (Published: April (2nd Quarter/Spring) 2020).
[https://www.meddos.org/article/S0958-3947\(19\)30100-1/fulltext](https://www.meddos.org/article/S0958-3947(19)30100-1/fulltext)

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Gustafson, Nancy Burrier, Teri Butler, Brittany Hunzeker, Ashley Lenards, Nishele D. Culp, Lee	Other (indicate)	International

[Download File \(nlenards/intellcont/Gustafson et al 2019-1.pdf\)](#)

Lang, K., Loritz, B., Schwartz, A., Hunzeker, A., **Lenards, N. D.**, Culp, L., Finley, R., Corbin, K. S. (2020). Dosimetric comparison between volumetric-modulated arc therapy and a hybrid volumetric-modulated arc therapy and segmented field-in-field technique for postmastectomy chest wall and regional lymph node irradiation. *Medical Dosimetry*, 45(2), 121-127. (Published: April (2nd Quarter/Spring) 2020).

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Lang, Karen Loritz, Brianne Schwartz, Adam Hunzeker, Ashley Lenards, Nishele D. Culp, Lee Finley, Randi Corbin, K S.	Other (indicate)	

[Download File \(nlenards/intellcont/Lang et al 2019-1.pdf\)](#)

Keil, J., Carda, J., Reihart, J., Seidel, M., **Lenards, N. D.**, Hunzeker, A. (2020). A dosimetric study using split x-jaw planning technique for the treatment of endometrial carcinoma. *Medical Dosimetry*, In Press. (Published: January (1st Quarter/Winter) 2020).

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Keil, Jeanette Carda, Joanne Reihart, Jade Seidel, Marjorie Lenards, Nishele D. Hunzeker, Ashley	Other (indicate)	

[Download File \(nlenards/intellcont/Keil et al 2020-1.pdf\)](#)

Stauch, Z., Zoller, W., Tedrick, K., Walston, S., Christ, D., Hunzeker, A., **Lenards, N. D.**, Culp, L., Gamez, M., Blakaj, D. (2020). An evaluation of adaptive planning by assessing the dosimetric impact of weight loss throughout the course of radiotherapy in bilateral treatment of head and neck cancer patients. *To appear in Medical Dosimetry*, 45(1), 52-59. (Published: January (1st Quarter/Winter) 2020).

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Stauch, Zach Zoller, Wes Tedrick, Kayla Walston, Steven Christ, Daniel Hunzeker, Ashley		

		Lenards, Nishele D. Culp, Lee Gamez, Mauricio Blakaj, Dukagjin		
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[Download File \(nlenards/intellcont/Stauch et al 2019-1.pdf\)](#)

Rice, A., Zoller, I., Kocos, K., Weller, D., DiCostanzo, D., Hunzeker, A., **Lenards, N. D.** (2019). The implementation of RapidPlan in predicting deep inspiration breath-hold candidates with left-sided breast cancer. *To appear in Medical Dosimetry*, 44(3), 210-218. (Accepted: 2019, Published: July (3rd Quarter/Summer) 2019).

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Rice, Aubrie Zoller, Ian Kocos, Kevin Weller, Dannyl DiCostanzo, Dominic Hunzeker, Ashley Lenards, Nishele D.	Other (indicate)	International

[Download File \(nlenards/intellcont/Rice et al 2018-1.pdf\)](#)

Nigay, E., Bonsall, H., Meyer, B., Hunzeker, A., **Lenards, N. D.** (2018). Offline adaptive radiation therapy in the treatment of prostate cancer: a case study. *Medical Dosimetry*. (Accepted: 2018, Published: February 2018).

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Nigay, Evgenia Bonsall, Heath Meyer, Beverly Hunzeker, Ashley Lenards, Nishele D.		International

[Download File \(nlenards/intellcont/Nigay et al 2017-1.pdf\)](#)

Olson, A., Phillips, K., Eng, T., **Lenards, N. D.**, Hunzeker, A., Lewis, D., Baumann, D. (2017). Assessing dose variance from immobilization devices in VMAT head and neck treatment planning: A retrospective case study analysis. *Medical Dosimetry*, 43(1), 39-45. (Published: September 16, 2017).

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Olson, Alyssa-20% Phillips, Kristine-20% Eng, Tamara-20% Lenards, Nishele D.-15% Hunzeker, Ashley-15% Lewis, D-5% Baumann, D-5%	First author major contributor	International

[Download File \(nlenards/intellcont/Olson et al 2017-1.pdf\)](#)

Coffey, A., (Stevenson) Renucci, L., Hunzeker, A., **Lenards, N. D.** (2017). Whole Breast Nodal Irradiation using Supine VMAT and Prone 3D Planning: A Case Study. *Medical Dosimetry*, 42(3), 185-189. (Published: May 31, 2017).

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Coffey, Ashley-25% (Stevenson) Renucci, Lisa-25%	First author major contributor	International

		Hunzeker, Ashley-25% Lenards, Nishele D.-25%		
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[Download File \(nlenards/intellcont/Coffey et al 2017-1.pdf\)](#)

Apinorasethkul, O., **Lenards, N. D.**, Hunzeker, A. (2016). Urethral dose sparing in squamous cell carcinoma of anal canal using proton therapy matching electrons with prior brachytherapy for prostate cancer: A case study. *Medical dosimetry: official journal of the American Association of Medical Dosimetrists*, 41(3), 242-7. (Published: October (4th Quarter/Autumn) 1, 2016).

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Apinorasethkul, Ontida Lenards, Nishele D. Hunzeker, Ashley		

[Download File \(nlenards/intellcont/Apinorasethkul et al 2016-1.pdf\)](#)

Lee, K., **Lenards, N. D.**, Holson, J. (2016). Whole-brain hippocampal sparing radiation therapy: Volume-modulated arc therapy vs intensity-modulated radiation therapy case study. *Medical dosimetry: official journal of the American Association of Medical Dosimetrists*, 41(1), 15-21. (Published: April (2nd Quarter/Spring) 1, 2016).

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Lee, Katrina Lenards, Nishele D. Holson, Janice		

[Download File \(nlenards/intellcont/Lee et al 2015-1.pdf\)](#)

McCall, R., MacLennan, G., Taylor, M., **Lenards, N. D.**, Nelms, B. E., Koshy, M., Lemons, J., Hunzeker, A. (2016). Anatomical contouring variability in thoracic organs at risk. *Medical dosimetry: official journal of the American Association of Medical Dosimetrists*, 41(4), 344-350. (Published: January (1st Quarter/Winter) 1, 2016).

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	McCall, Ross MacLennan, Grayden Taylor, Matthew Lenards, Nishele D. Nelms, B E. Koshy, M Lemons, J Hunzeker, Ashley		

[Download File \(nlenards/intellcont/McCall et al 2016-1.pdf\)](#)

Sponseller, P., **Lenards, N. D.**, Kusano, A., Patel, S. (2014). Radiation treatment for newly diagnosed esophageal cancer with prior radiation to the thoracic cavity. *Medical dosimetry: official journal of the American Association of Medical Dosimetrists*, 39(3), 251-5. (Published: October (4th Quarter/Autumn) 1, 2014).

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Sponseller, Patricia Lenards, Nishele D. Kusano, A Patel, S		

[Download File \(nlenards/intellcont/Sponseller et al 2014-1.pdf\)](#)

Other Scholarly Activities

1. Paper presented at academic conference

Lenards, N. D., AAMD Annual Meeting, American Association of Medical Dosimetrists, Virtual, "A quantitative comparative study of medical dosimetry graduates with and without prior radiation therapy certification", <https://www.medicaldosimetry.org/meetings/annual-meeting/>, Paper. (Date Presented: June 2021).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
	International	Poster	No	Yes	Accepted	Yes

[Download File \(nlenards/present/Poster 2021 v4 copy-1.pdf\)](#)

Lenards, N. D., SROA Annual Meeting, Society for Radiation Oncology Administrators, Virtual, "A comparison study of medical dosimetry graduates with and without radiation therapy certification", Paper. (Date Presented: October 27, 2020).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
	International	Oral Presentation	Yes	No	Accepted	Yes

[Download File \(nlenards/present/Society for Radiation Oncology Administrators-1.pdf\)](#)

Lenards, N. D., AAMD Annual Meeting, American Association of Medical Dosimetrists, Virtual, "A Comparison Study of RTT vs non-RTT Medical Dosimetry Graduates - An Update", <https://pubs.medicaldosimetry.org/pub/9D5D78DA-0D14-EB13-E3DE-7DBB8E4A9348>, Paper. (Date Presented: July 9, 2020).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
	International	Oral Presentation	Yes	No	Accepted	Yes

[Download File \(nlenards/present/AAMD Annual Meeting July 2020-1.jpg\)](#)

Lenards, N. D., AAMD Annual Meeting, American Association of Medical Dosimetrists, Austin, TX, "Best Practices for Online Medical Dosimetry Education", <http://www.cvent.com/events/aamd-43rd-annual-meeting/event-summary-528d4a3aeb5843f2b9e7414897a2f3a8.aspx>, Abstract. (Date Presented: June 19, 2018).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
	International	Oral Presentation	Yes		Accepted	

Lenards, N. D., AAMD Annual Meeting, AAMD, Indianapolis, IN, "Do you have to be a RTT before a CMD? The ongoing question.", <http://conference.medicaldosimetry.org/schedule-at-a-glance/>, Abstract. (Date Presented: June 13, 2017, Date Submitted: January 2017).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
	International	Oral Presentation	Yes	No	Accepted	Yes

[Download File \(nlenards/present/RTT before CMD Final-1.pptx\)](#)

Lenards, N. D., 14th Annual Radiation Oncology Conference for Therapists & Dosimetrists, Roswell Park Cancer Institute, Niagara Falls, NY, "E-portfolios for Radiation Oncology Professionals", Abstract. (Date Presented: September 2013).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
	International	Oral Presentation	Yes	No	Invited	No

Lenards, N. D., AAMD Annual Conference, AAMD, "E-portfolio Workshop", Abstract. (Date Presented: June 2013).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
	International	Oral Presentation	Yes	No	Invited	No

Lenards, N. D., AAMD Annual Conference, AAMD, "E-portfolios for Medical Dosimetry Professionals", Abstract. (Date Presented: June 2012).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
	International	Oral Presentation	Yes	No	Accepted	No

Lenards, N. D., Baker, J., AAMD Annual Conference, AAMD, "Oral Presentation Workshop", Abstract. (Date Presented: June 2012).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
	International	Oral Presentation	Yes	No	Accepted	No

Lenards, N. D. (Presenter Only), American Association of Medical Dosimetrists (AAMD), Webinar, "Cross-sectional Anatomy of the Head", Abstract. (Date Presented: December 2011, Date Accepted: May 2011, Date Submitted: April 2011).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
	International	Oral Presentation	No	No	Invited	No

Lenards, N. D., ASRT Annual Radiation Therapy Conference, ASRT, "Electronic Clinical Tracking Systems", Abstract. (Date Presented: October 2011, Date Submitted: 2011).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
	International	Oral Presentation	Yes	No	Accepted	No

Lenards, N. D. (Presenter Only), American Association of Medical Dosimetrists (AAMD), Webinar, "Cross-sectional Anatomy of the Abdomen", Abstract. (Date Presented: August 2011, Date Accepted: May 2011, Date Submitted: April 2011).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
	International	Oral Presentation	No	No	Invited	No

Lenards, N. D. (Presenter Only), American Association of Medical Dosimetrists (AAMD), Webinar, "Cross-sectional Anatomy of the Thorax", Abstract. (Date Presented: January 2011, Date Accepted: November 2010, Date Submitted: October 2010).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
	International	Oral Presentation	No	No	Invited	No

2. Editorial and Review Activities

"Medical Dosimetry Journal", American Association of Medical Dosimetrists, **Invited Manuscript Reviewer**, International, Appointed, Academic. (2009 - Present).

I served as a blinded peer reviewer for the medical dosimetry journal.

- "Certified Medical Dosimetrists' Perceptions of Advanced Education and Promotional Opportunities", Medical Dosimetry Journal, Invited Manuscript Reviewer, International, Appointed, 2 items edited/reviewed, Academic. (September 2020).

- "Whole Brain Radiotherapy with Hippocampal Sparing using Varian HyperArc", Medical Dosimetry Journal, Invited Manuscript Reviewer, International, Appointed, 3 items edited/reviewed, Academic. (July 2020).
- "Relationship Between Student Selection Criteria and Learner Success for Medical Dosimetry Students", Medical Dosimetry Journal, Invited Manuscript Reviewer, International, Appointed, 2 items edited/reviewed, Academic. (March 2015 - July 2015).
- "A comparison of critical organs preservation among 3-dimensional conformal radiotherapy, intensity-modulated radiotherapy and RapidArc for locally advanced pancreatic head cancer", Medical Dosimetry Journal, Invited Manuscript Reviewer, International, Appointed, 2 items edited/reviewed, Academic. (June 2015).
- "Is advance practice needed within medical dosimetry?", Medical Dosimetry Journal, Invited Manuscript Reviewer, International, Appointed, 2 items edited/reviewed, Academic. (February 2015).
- "A Lacrimal Gland Sparing IMRT Technique for Definitive Whole-Brain Irradiation of CNS Lymphoma with Intraocular Involvement", Medical Dosimetry Journal, Invited Manuscript Reviewer, International, Appointed, 1 item edited/reviewed, Academic. (October 2011).
- "Partial Breast Irradiation: An Alternative to Conventional Whole-Breast Irradiation", eRADIMAGING Journal, Invited Manuscript Reviewer, International, Appointed, 1 item edited/reviewed, Professional. (April 2011 - May 2011).
- "Can Radiation Therapy Treatment Planning System Accurately Predict Surface Doses in Postmastectomy Radiation Therapy Patients?", Medical Dosimetry Journal, Invited Manuscript Reviewer, International, Appointed, 2 items edited/reviewed, Academic. (February 2011). Manuscript reviewer for peer review journal article.

"Medical Dosimetry Journal", American Association of Medical Dosimetrists, **Associate Editor**, International, Appointed, Academic. (July 1, 2010 - January 2019).
I serve as an associate editor for the medical dosimetry journal.

Student Research

1. Graduate Student Theses/Projects

- Thesis Advisor, Ayers, Aaron, Chau, Hoi Wai, Newby, Brad, Health Professions, Medical Dosimetry, MS, "Dose differences due to variance in contours of the optic chiasm," In-Process. (January 2021 - Present).
- Thesis Advisor, April Hardman, Iacobo, RaeLyn, Pagan, Jessica, Health Professions, Medical Dosimetry, MS, "Radiation Therapists Perspectives About Barriers to Continuing Education in Medical Dosimetry," In-Process. (January 2021 - Present).
- Thesis Advisor, Huelskamp, Caitlyn, Lee, Jina, Nappi, Collin, Health Professions, Medical Dosimetry, MS, "Determining the Impact of HU Corrected Metal Ports in Temporary Tissue Expanders on Dose to the Coronary Arteries," In-Process. (January 2021 - Present).
- Thesis Advisor, Gehrig, Chelsea, Sturgess, Dakota, Wojno, Melissa, Health Professions, Medical Dosimetry, MS, "Stereotactic radiosurgery (SRS) for brain metastases and the implications to normal brain tissue with flattening filter free (FFF) versus flattening filter (FF) beams," In-Process. (January 2021 - Present).
- Thesis Advisor, Czmielewski, Christian, Tripoli, Dylan, Gallina, Victoria, Health Professions, Medical Dosimetry, MS, "Analyzing Changes in Radiotherapy Treatment Planning Error Reporting During the Covid-19 Pandemic," In-Process. (January 2021 - Present).
- Thesis Advisor, Moreno, Jose, Ayyad, Muath, Coffey, Amber, Health Professions, Medical Dosimetry, MS, "Medical Dosimetrist perceptions about the efficiency of auto-contouring during treatment planning," In-Process. (January 2021 - Present).

- Thesis Advisor, Larsen, Keith, Cimmiyotti, Momoh, Rashad, Health Professions, Medical Dosimetry, MS, "Evaluation of a bolus helmet used to maintain optic chiasm and nerve sparing while improving CTV prescription coverage in head and neck proton treatments," In-Process. (January 2021 - Present).
- Thesis Advisor, Muellerlile, Sara, Lowe, Haley, Stallard, Scott, Health Professions, Medical Dosimetry, MS, "Perceptions about the impact of remote treatment planning on communication and efficiency during the COVID-19 pandemic," In-Process. (January 2021 - Present).
- Thesis Advisor, Day, Spencer, Kozlowski, Dylan, Russell, Ciara, Health Professions, Medical Dosimetry, MS, "Determining the Impact of HU Corrected Metal Ports in Temporary Tissue Expanders on Dose to the Coronary Arteries," In-Process. (January 2021 - Present).
- Thesis Advisor, Yorio, Steven, Health Professions, Medical Dosimetry, MS, "'pending'," In-Process. (January 2021 - Present).
Comments: This student was paired with someone who dropped out of the program. He could no longer use the prior research project and is currently working on a new research project to complete on his own.
- Inshetski, Bobby, Health Professions, Medical Dosimetry, MS, "Evaluating surface dose to the vulva with pelvic volumetric modulated arc therapy," In-Process. (January 1, 2019 - Present).
- Bennett, Abbey, Spears, Hamlet, Health Professions, Medical Dosimetry, MS, "Evaluation of hippocampal contouring through a pre- and post-test training design after the intervention of anatomical education," Completed. (January 2020 - December 2020).
- Doerr, Carli, Smith, Benjamin, Tuzzo, Cory, Health Professions, Medical Dosimetry, MS, "Evaluation of DIBH breast plan robustness against isocenter positioning uncertainties," Completed. (January 2020 - December 2020).
- Sanders, Catherine, Health Professions, Medical Dosimetry, MS, "Physical ring versus NTO dose fall-off structures in VMAT prostate plans: a comparison of integral dose while maintaining OAR constraints and PTV coverage," Completed. (January 2020 - December 2020).
- Maurino, Christopher, Nguyen, Timothy, Sawicki, Nicolette, Health Professions, Medical Dosimetry, MS, "Minimizing dose to the heart in left sided post mastectomy patients by using the field-in-field flattening filter free technique with deep inhalation breath hold," Completed. (January 2020 - December 2020).
- Hadsell, Courtney, Health Professions, Medical Dosimetry, MS, "The effect of measurement geometry on patient specific QA pass/fail rates and the subsequent relationship to clinical planning metrics," Completed. (January 2020 - December 2020).
- Koller, Dana, Showalter, Joshua, Van Asten, Brandon, Health Professions, Medical Dosimetry, MS, "Simultaneous integrated boost (SIB) volumetric modulated arc therapy (VMAT) planning of anorectal disease utilizing Eclipse: implications to organs-at-risk (OAR) with jaw tracking (JT) vs. static jaw (SJ)," Completed. (January 2020 - December 2020).
- Ahoobim, David, Kroepflin, Haley, Niemuth, Brianna, Health Professions, Medical Dosimetry, MS, "Dosimetric evaluation of collimator angles to reduce laryngeal dose in base of tongue treatment planning for volumetric modulated arc therapy," Completed. (January 2020 - December 2020).
- McGinnis, Elizabeth, Wheatley, Michael Sean, Sutherland, Thomas, Health Professions, Medical Dosimetry, MS, "Delineating the lumbosacral plexus as an organ at risk to measure the unwanted dose this structure receives in treating pelvic cancers with volumetric modulated arc therapy (VMAT)," Completed. (January 2020 - December 2020).

- Habibulla, Hanaan, Keefe, John, Wilson, Alicia, Health Professions, Medical Dosimetry, MS, "Work-related musculoskeletal disorders in Medical Dosimetry: can proper ergonomics reduce risk?" Completed. (January 2020 - December 2020).
Germane Honors: *PUBLISHED
- Asare-Sawiri, Michael, Beaunegre, Pierre, Health Professions, Medical Dosimetry, MS, "A cumulative dose-comparison study between daily treatments and planned rectal doses for prostate Stereotactic Body Radiation Therapy with hydrogel spaceOAR implants," Completed. (January 2020 - December 2020).
- Rohe, Robert, Wilson, Lauren, Health Professions, Medical Dosimetry, MS, "Minimizing clearance issues with prone breast patients on Varian linear accelerators through isocenter placement," Completed. (January 2020 - December 2020). Germane Honors: *PUBLISHED
- Lin, Tiffany, Williamson, Brandon, Yiga, Tenzin, Health Professions, Medical Dosimetry, MS, "Limiting dose to normal lung tissue for volumetric modulated arc therapy medial lung radiotherapy treatments by using a partial sagittal arc," Completed. (January 2020 - December 2020).
Germane Honors: *PUBLISHED
- Casto, Zach, Liu, Michal, Health Professions, Medical Dosimetry, MS, "Dosimetric evaluation of volumetric modulated arc therapy (VMAT) treatment planning combined with 3D milled bolus for patients receiving total and partial scalp irradiation," Completed. (January 2020 - December 2020).
Germane Honors: *PUBLISHED
- Rochester, Ashley, Walker, Kate, Costa, Jessica, Health Professions, Medical Dosimetry, MS, "When treating Lt sided breast/CW plus RNI, what is the size limit of the PTV to be irradiated vs. OAR constraints that would warrant VMAT/IMRT planning over 3D-CRT?" Completed. (January 1, 2019 - December 2019).
- Nguyen, Helen, Deere, Will, Eskens, Mikayla, Health Professions, Medical Dosimetry, MS, "Mixed energy VMAT plans for treatment of anal cancer," Completed. (January 1, 2019 - December 2019).
Germane Honors: *PUBLISHED
- Garafolo, Kyle, Hufnal, Stephanie, Fuller, Keenan, Health Professions, Medical Dosimetry, MS, "Radiation therapy treatment of the prone breast using EZFluence: A case study," Completed. (January 1, 2019 - December 2019).
- Brandl, Lauren, Jackson, Renee, Anderson, Marc, Health Professions, Medical Dosimetry, MS, "Survey of implementation and satisfaction with RapidPlan knowledge-based planning software in the clinical setting," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 1, 2019 - December 2019).
- Barski, Makelle, Doberstein, Madelline, Hall, Shelby, Health Professions, Medical Dosimetry, MS, "Minimizing dose to the heart, LAD and lungs in whole breast radiation by reducing interleaf transmission in Elekta linear accelerators," Completed. (January 1, 2019 - December 2019).
Germane Honors: *PUBLISHED - poster presentation at ASTRO
- Kendricks, Mark, Jend, Jacque, Murdoch, Erin, Health Professions, Medical Dosimetry, MS, "A comparison of dose estimation between AXB and AAA for HA-WBRT," Completed. (January 1, 2019 - December 2019).
- Joyce, Neil, Jones, Nathan, Herman, Amy, Health Professions, Medical Dosimetry, MS, "SBRT of superior liver lesions using Acuros XB calculation algorithm and 10MV FFF beams: a search of optimal multi-leaf collimator (MLC) margins," Completed. (January 1, 2019 - December 2019).

- Nguyen, Nick, VanLanen, Luke, Killmer, Travis, Health Professions, Medical Dosimetry, MS, "Sparing of ipsilateral submandibular gland and level 1B lymph nodes for treatment of oropharynx cancer," Completed. (January 1, 2019 - December 2019).
- Deiter, Noelle, Chu, Felicia, Health Professions, Medical Dosimetry, MS, "Impact of beam arrangement on plan robustness of bilateral head and neck cancer in intensity modulated proton therapy," Completed. (January 2019 - December 2019).
 Germane Honors: *PUBLISHED
- Long, Sara, Cousins, Marina, Health Professions, Medical Dosimetry, MS, "Dosimetric comparison of plans produced by Raystation MCO and Varian RapidPlan for the treatment of brain cancer.," Completed. (January 1, 2019 - December 2019).
- Cate, Amy, Frieling, Daniel, Laher, Jason, Tester, Bianca, Health Professions, Medical Dosimetry, MS, "A Comparison of Radiation Dermatitis in Patients Receiving Chestwall Irradiation Using 3 mm Bolus Every Day vs. 5 mm Bolus Every Other Day," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2018 - December 2018).
- Edel, Andrew, Huang, Jenny, Mehr, Amber, Siddiqui, Ruha, Health Professions, Medical Dosimetry, MS, "A Comparison of IMRT and VMAT Treatment Techniques on Centrally-Located Lung Tumors and Their Effects on V5 Lung Dose," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2018 - December 2018).
- Carda, Joanne, Keil, Jeanette, Reihart, Jade, Health Professions, Medical Dosimetry, MS, "A Dosimetric Study using Split X-Jaw Planning Technique for the Treatment of Endometrial Carcinoma" Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2018 - December 2018).
 Germane Honors: *PUBLISHED
- Lang, Karen, Loritz, Brianne, Schwartz, Adam, Health Professions, Medical Dosimetry, MS, "Dosimetric Comparison between Volumetric-Modulated Arc Therapy and a Hybrid Volumetric-Modulated Arc Therapy and Segmented Field-in-Field Technique for Post-Mastectomy Chest Wall and Regional Lymph Node Irradiation," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2018 - December 2018).
 Germane Honors: *PUBLISHED
- Davis, Mary, Fain, Maddisen, j, Nathaniel, Health Professions, Medical Dosimetry, MS, "A Retrospective Study of Left-Sided Breast Patients to Determine an Optimal Lung and Cardiac-Sparing Treatment Position," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2018 - December 2018).
- Coleman, Savannah, Hopkins, Nicholas, Palermino, Jacquelyn, Puzzonina, Julie, Health Professions, Medical Dosimetry, MS, "A Retrospective Analysis to Determine the Dosimetric Impact of Head and Neck Immobilization Devices on Target Volumes and Organs at Risk with Various Treatment Planning Algorithms," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2018 - December 2018).
- Ferguson, Sean, Ong, Christina, Salem, Ryan, Williams, Rodger, Health Professions, Medical Dosimetry, MS, "A Dosimetric Comparison of the Field in Field Method versus Irregular Surface Compensator in the Treatment of Left Sided, Early-Stage Breast Cancer: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2018 - December 2018).
- Burrier, Teri, Butler, Brittany, Gustafson, Nancy, Health Professions, Medical Dosimetry, MS, "Correlation of Hot Spot to Breast Separation in Patients Treated with Post-Lumpectomy Tangent 3D-CRT Using Field-in-Field

Technique and Mixed Photon Energies," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2018 - December 2018).
 Germane Honors: *PUBLISHED

Stauch, Zachary, Tedrick, Kayla, Health Professions, Medical Dosimetry, MS, "An Evaluation of Adaptive Planning by Assessing the Dosimetric Impact of Weight Loss Throughout the Course of Radiotherapy in Bilateral Treatment of Head and Neck Cancer Patients," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2018 - December 2018).
 Germane Honors: *PUBLISHED

Eliason, Alecia, McConnell, Holly, Murray, Alexandra, Pohl, Ryan, Health Professions, Medical Dosimetry, MS, "Analysis of medical dosimetry graduates' self-perceived level of preparedness upon graduation and comfortability time frame after entering the workforce," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2017 - December 2017).
 Germane Honors: Paper under second review in peer-reviewed journal (Medical Dosimetry)

Kuhlke, Angela, Maldonado, Ruth, Reis, Kayla, Spanovich, Lisa, Health Professions, Medical Dosimetry, MS, "Standard Multileaf Collimator versus High Definition Multileaf Collimator for Optimal Hippocampal Sparing Stereotactic Radiosurgery in Adjacent Brain Lesions: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2017 - December 2017).

Rice, Aubrie, Zoller, Ian, Kocos, Kevin, Weller, Danyl, Health Professions, Medical Dosimetry, MS, "The Implementation of RapidPlan in Predicting Deep Inspiration Breath Hold Candidates with Left-sided Breast Cancer," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2017 - December 2017).
 Germane Honors: *PUBLISHED

Bird, Brittany, Laird-Abbott, Veronica, Anand, Bijoy, Sanford, Stephanie, Sheil, Pat, Smelko, Ashley, Wilhite, Sadie, Health Professions, Medical Dosimetry, MS, "Variations in the Contouring of Target Structures and Organs at Risk: Test Case of a Patient with Intermediate Risk Prostate Cancer," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2017 - December 2017).

Rogstad, Charity, Tabeek, Paul, May, Michael, Ezelle, Jessica, Health Professions, Medical Dosimetry, MS, "Does an "Ideal" Collimator Pair Exist for 2 Arc VMAT Prostate Plans?" Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2017 - December 2017).

Bonsall, Heath, Meyer, Beverly, Nigay, Evgenia, Health Professions, Medical Dosimetry, MS, "Offline Adaptive Radiation Therapy in the Treatment of Prostate Cancer: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2017 - December 2017).
 Germane Honors: *PUBLISHED

Speedy, Jesse, Balawi, Ahssan, Kimbler, Jennifer, Crumpton, Seth, Health Professions, Medical Dosimetry, MS, "The Impact of HU Corrections in the Clinical Setting for Prostate Fiducial Marker Artifact," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2017).

Thesis Advisor, Olson, Alyssa, Phillips, Kristine, Eng, Tamara, Health Professions, Medical Dosimetry, MS, "Assessing Dose Variance from Immobilization Devices in VMAT Head and Neck Treatment Planning: A Retrospective Case Study Analysis," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2016 - December 2016).
 Germane Honors: *PUBLISHED

- Thesis Advisor, Haasl, Alyx, Jacobs, Destiny, Health Professions, Medical Dosimetry, MS, "Effects of Varying Bolus Thickness on Skin Dose for VMAT and Helical Tomotherapy Chest Wall Irradiation," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2016 - December 2016).
- Thesis Advisor, Coffey, Ashley, Stevenson, Lisa, Health Professions, Medical Dosimetry, MS, "Whole Breast Nodal Irradiation using Supine VMAT and Prone 3D Planning: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2016 - December 2016).
Germane Honors: *PUBLISHED
- Thesis Advisor, Morgan, Dana, Health Professions, Medical Dosimetry, MS, "Benefits of Xofig in Sparing Dose to Normal Structures: A Case Study Comparison," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2016 - December 2016).
- Thesis Advisor, Li, Joanne, Health Professions, Medical Dosimetry, MS, "Dosimetric Evaluation of Dose-to-Medium vs Dose-to-Water using Acuros XB for Lung, Spine, and Head-and-Neck Plans," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2016 - December 2016).
- Thesis Advisor, Wynn, Karol, Zeiler, Sabrina, Health Professions, Medical Dosimetry, MS, "Dosimetric Comparison of Stereotactic Radiosurgery for Multiple Brain Metastases: Multiple-Isocenter Non-Coplanar VMAT vs CyberKnife," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2016 - December 2016).
- Thesis Advisor, Dwyer, Kevin, Kotrba, Justin, Tyson, Travis, Health Professions, Medical Dosimetry, MS, "Clinical Considerations for Automated PET-Based Tumor Localization," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2016 - December 2016).
- Thesis Advisor, Sullivan, Megan, Melby, Patrick, Health Professions, Medical Dosimetry, MS, "The Effects of DIBH on Liver Dose during Right Breast Treatments: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2016 - December 2016).
- Thesis Advisor, Clark, Ryan, Longoria, Glenda, Health Professions, Medical Dosimetry, MS, "Evaluation of Dosimetric Target Volume Changes in Head and Neck Cancer Patients Due to Weight Loss: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2016 - December 2016).
- Thesis Advisor, James, Shands, Swenski, Sharan, Wang, Yinan, Health Professions, Medical Dosimetry, MS, "Application of Nonstandard Radiotherapy Techniques in Glioblastoma Multiforme: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2016 - December 2016).
- Thesis Advisor, Wright, Aaron Dewey, Willis, Reisha, Health Professions, Medical Dosimetry, MS, "Dosimetric Comparisons for Jaw Tracking Optimization Versus Static Jaw Technique Using VMAT for Thorax Irradiation," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2015 - December 2015).
- Thesis Advisor, Lisher, Amanda, Hirschi, Peter, Taylor, Jonathan, Health Professions, Medical Dosimetry, MS, "Hypofractionation to Maximize Tumor Biological Effective Dose while Maintaining Chest Wall Tolerance in the Treatment of Peripherally Located Non-Small Cell Lung Cancer: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2015 - December 2015).

- Thesis Advisor, Granotowicz, Andrew, Metuge, Peter, Health Professions, Medical Dosimetry, MS, "Comparing Two Different Head Positions for Hippocampal-Avoidance WBRT Treatment Planning: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2015 - December 2015).
- Thesis Advisor, Moore, April, Walsh, Ashley, Health Professions, Medical Dosimetry, MS, "Comparison of IMRT and VMAT Techniques for the Reduction of Spinal Cord Dose in Distal Esophageal Patients: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2015 - December 2015).
- Thesis Advisor, Check, Brittany, Kouri, Jenny, Lemeux, Ben, Health Professions, Medical Dosimetry, MS, "Comparison of IMRT, VMAT, and 3D-CRT Treatment Techniques to Minimize Risk of Radiation Induced Esophagitis for Mediastinal NSCLC: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2015 - December 2015).
- Thesis Advisor, Chen, Doris, Mekhael, Wael, Health Professions, Medical Dosimetry, MS, "A Dosimetric Comparison of Coplanar vs Noncoplanar VMAT SBRT Techniques for NSCLC: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2015 - December 2015).
- Thesis Advisor, Stauffer, Maggie, Hawk, Ellie, Health Professions, Medical Dosimetry, MS, "Spatially Fractionated GRID Therapy: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2015 - December 2015).
- Thesis Advisor, Apinorasethkul, Ontida, Health Professions, Medical Dosimetry, MS, "Urethral Dose Sparing in SCC of Anal Canal using Proton Therapy Matching Electrons with Prior Brachytherapy for Prostate Cancer: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2015 - December 2015).
 Germane Honors: *PUBLISHED
- Thesis Advisor, McCall, Ross, MacLennan, Grayden, Taylor, Matthew, Health Professions, Medical Dosimetry, MS, "Anatomical Contouring Variability in Thoracic Organs at Risk," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2015 - December 2015).
 Germane Honors: *PUBLISHED
 * 1st place in the international AAMD Student writing competition in 2016.
- Thesis Advisor, Duffy, Seth, Gonzales, Jonathan, Khan, Raheel, Health Professions, Medical Dosimetry, MS, "Dosimetric Analysis of Volumetric Arc Therapy on Localized Prostate Cancer with Unilateral Hip Prosthesis: The Hip-Skip Method," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2015 - December 2015).
- Thesis Advisor, Olson, Stephanie, Christianson, Tera, Health Professions, Medical Dosimetry, MS, "A Dosimetric Comparison of 3DCRT, TomoDirect and Helical Tomotherapy for Large Separation of Left Sided Intact Breast Cancer: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2015 - December 2015).
- Thesis Advisor, Polishchuk, Tayisiya, Krueger, Karen, Rocque, Michelle, Health Professions, Medical Dosimetry, MS, "Comparison of VMAT vs a 4-Field Technique for Post Mastectomy Irradiation of Barrel Shaped Right Chest Wall Patients: A Case Study," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2015 - December 2015).
- Thesis Advisor, Ahmed, Yasmin, Health Professions, Medical Dosimetry, MS, "Isocenter Shifts in Treatment Planning and Clinical Implications," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (January 2015 - December 2015).

- Negussie, Amanuel, Health Professions, Medical Dosimetry, MS, "Effectiveness of IMRT and VMAT for sparing the mandible, larynx, and parotid glands in oropharyngeal cancer treatment," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (2012 - 2014).
- Pyfferoen, Ashley, Health Professions, Medical Dosimetry, MS, "Brachial Plexus Dose Limitations in Apical Lung Cancer," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (2012 - 2014).
 Germane Honors: *PUBLISHED
 * 3rd place in an international student writing competition
 *accepted abstract for presentation at a national professional conference
- Conrad, Bret, Health Professions, Medical Dosimetry, MS, "The use of Intensity Modulated Radiation Therapy (IMRT) in Distal Esophageal Carcinoma," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (2012 - 2014).
- Melancon, Dustin, Health Professions, Medical Dosimetry, MS, "Post-Mastectomy Radiation Therapy for Male Invasive Ductal Carcinoma of the Left Breast," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (2012 - 2014).
- Mathias, Eyob, Health Professions, Medical Dosimetry, MS, "Evaluation of 3D-CRT, IMRT, and SBRT Treatment Planning Techniques in Lung Cancer Irradiation," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (2012 - 2014).
- Arnould, George Spencer, Health Professions, Medical Dosimetry, MS, "3D Treatment Planning for Distal Esophageal Adenocarcinoma," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (2012 - 2014).
- Tsai, Kevin, Health Professions, Medical Dosimetry, MS, "IMRT using Simultaneous Integrated Boost (SIB) fractionation scheme for Nasopharyngeal Carcinoma," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (2012 - 2014).
- Whitley, Megan, Health Professions, Medical Dosimetry, MS, "Electronic Compensation for Right Breast Irradiation," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (2012 - 2014).
- Piotrowski, Nick, Health Professions, Medical Dosimetry, MS, "Irregular Surface Compensation Technique for Right Breast Carcinomas," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (2012 - 2014).
- Thesis Advisor, Poole, Charles, Health Professions, Medical Dosimetry, MS, "A SINGLE INSTITUTION'S EXPERIENCE IN DEVELOPING A PURPOSEFUL AND EFFICIENT OFF-LINE TECHNIQUE FOR ADAPTIVE RADIOTHERAPY IN A CLINICAL ENVIRONMENT," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (October 2011 - 2012).
- Thesis Advisor, Francis, Louise, Health Professions, Medical Dosimetry, MS, "INFORMAL CANCER CAREGIVERS: STRESS, STRAIN AND BURDEN," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (October 2011 - 2012).
- Thesis Advisor, Sponseller, Patricia, Health Professions, Medical Dosimetry, MS, "THE FEASIBILITY OF KILOVOLTAGE IMAGING IN THE CLINICAL SETTING," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (October 2011 - 2012).
- Thesis Advisor, Wells, Jon, Health Professions, Medical Dosimetry, MS, "COMPARISON OF PLANNING CT SCANS TO CONEBEAM CT SCANS TO EVALUATE THE AFFECTS OF RECTAL CONTRAST ON PROSTATE ANATOMY," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (October 2010 - 2012).

- Thesis Advisor, Sytsma, Kathryn, Health Professions, Medical Dosimetry, MS, "FROM FIXED-FIELD IMRT TO VMAT: A COMPARISON," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (October 2010 - 2012).
- Thesis Advisor, Wojtowicz, Lisa, Health Professions, Medical Dosimetry, MS, "BENEFITS, DISADVANTAGES, AND CHALLENGES OF RESPIRATORY GATING USED TO TREAT LEFT-SIDED BREAST CANCER PATIENTS RECEIVING RADIOTHERAPY," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (October 2010 - 2012).
- Thesis Advisor, Tsai, Shun, Health Professions, Medical Dosimetry, MS, "DOSIMETRIC COMPARISON OF ELECTRONIC TISSUE COMPENSATOR AND CONVENTIONAL WEDGED FIELD TECHNIQUE IN TREATING BREAST CANCER," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (October 2010 - 2012).
- Thesis Advisor, Beaunegre, Pierre, Health Professions, Medical Dosimetry, MS, "RADIATION PNEUMONITIS IN EARLY-STAGE NON-SMALL CELL LUNG CANCER PATIENTS TREATED WITH STEREOTACTIC BODY RADIOTHERAPY," In-Process. Presented at UW-L's Annual Celebration of Research and Creativity? No. (September 2010 - 2012).
- Thesis Advisor, Gregory Kohlhapp, Health Professions, Medical Dosimetry, MS, "IMPLICATIONS OF PATIENT SUPPORT ASSEMBLY ORIENTATION IN VOLUMETRIC INTENSITY MODULATED ARC THERAPY FOR PROSTATECTOMY PATIENTS," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (October 2010 - May 4, 2012).
- Thesis Advisor, Margusian, Raffick, Health Professions, Medical Dosimetry, MS, "SURVIVAL ANALYSIS IN PATIENTS WITH GLIOBLASTOMA MULTIFORME," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (September 2010 - September 16, 2011).
- Thesis Advisor, Mobile, Katherine, Health Professions, Medical Dosimetry, MS, "THE USE OF ELECTRON CONFORMAL THERAPY IN THE CLINICAL SETTING," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (September 2010 - September 6, 2011).
- Thesis Advisor, Levan-Connolly, Antishea, Health Professions, Medical Dosimetry, MS, Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (September 2010 - August 2011).
- Thesis Advisor, Hagen, Jennifer, Health Professions, Medical Dosimetry, MS, "COMPLEMENTARY AND ALTERNATIVE MEDICINE: HISTORY, BENEFITS, AND USE BY PATIENTS WITH CANCER," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (September 2010 - August 16, 2011).
- Thesis Advisor, Howard, Michelle, Health Professions, Medical Dosimetry, MS, "INCIDENCE OF BURNOUT OR COMPASSION FATIGUE REPORTED AMONG MEDICAL DOSIMETRISTS," Completed. Presented at UW-L's Annual Celebration of Research and Creativity? No. (September 2010 - August 15, 2011).
 Germane Honors: * PUBLISHED

V. SERVICE

A. Service

Department Service

Medical Dosimetry Assessment Committee, Chair. (2019 - 2021)

Outcomes assessment plans are developed, maintained, and reviewed with the committee. Assessment plans are reported to communities of interest and programmatic accreditation (JRCERT).

Department Meetings, Member. (2004 - 2021)

Attend departmental meetings and/or meetings with the Chair of the Department.

Medical Dosimetry Advisory Committee, Chair. (2003 - 2021)

Program advisory committee meetings are conducted 1-2 times per year with communities of interest.

Weekly Faculty Meetings, Chair. (2003 - 2021)

Weekly dosimetry meetings with staff to discuss agenda items and set action items with deadlines.

Search & Screen Committee (Medical Dosimetry), Chair. (2014)

Chair of Search & Screen committee for hiring of Educational Coordinator for medical dosimetry program.

Radiation Therapy Program Advisory Committee, Member. (September 1, 2005 - July 1, 2011)

Served as a member for the Radiation Therapy program advisory committee.

University Service

1. Committee Involvement

Faculty Development. (May 21, 2018 - May 22, 2018)

I attended Canvas Train the Trainer sessions so that I could help with Faculty Canvas Training on May 21 & 22 on campus.

Faculty Development, Member. (September 2016 - August 2017)

Served on the panel of online Program Directors at UWL for the 16-17 AY.

Faculty Development, Member. (September 2013 - August 2014)

Invited to serve on the Online Advisory Committee for the UW-L Campus.

Faculty Development, Member. (September 2012 - August 2013)

Invited to serve on the Online Advisory Committee for the UW-L Campus.

Faculty Development, Member. (September 2012 - August 2013)

Invited to serve on the Online Advisory Committee for the UW-L Campus.

Faculty Development, Member. (September 2011 - August 2012)

Invited to serve on the Online Advisory Committee for the UW-L Campus.

Faculty Development, Member. (September 2010 - August 2011)

Invited to serve on the Online Advisory Committee for the UW-L Campus.

2. Administrative Assignments

Program Director. (December 1, 2003 - 2021)

Responsible for: the development, administration, and growth of the medical dosimetry program; curriculum planning, development, and instruction; programmatic and institutional accreditation including self-studies and on-site visits; the development, implementation, and evaluation of annual assessment plans in accordance with programmatic accreditation; development and maintenance of online courses for the program; research advisor for

thesis/capstone projects; advertising & recruitment; manage and update program social media; update program website; budgeting; contracts; admissions; and advising.

Professional and Community Service

1. Other professional and community service

- Public/Community, Daughters of the American Revolution, Assistant Registrar, Member, Yes, appointed, State. (November 2019 - Present).
Volunteering in a non-profit women's service organization dedicated to promoting patriotism, preserving American history, and securing America's future through better education for children (promotion of education). I also serve as an assistant registrar to help new members with genealogy and approval of applications for membership.
- Professional, Medical Dosimetry Program Officials (MDPO), Member, approximately 10 hours spent for the year, No, neither, National. (2019 - Present).
Newly formed organization for medical dosimetry program officials who meet quarterly to discuss and take action regarding issues affecting medical dosimetry programs.
- Professional, American Association of Medical Dosimetrists, Reviewer, Yes, appointed, International. (2009 - Present).
Medical Dosimetry Journal Peer reviewer
- Professional, American Association of Medical Dosimetrists, Committee Member, Yes, appointed, International. (2007 - Present).
- Professional, Univ of OK Health Sciences Center, Reviewer, Member, approximately 2 hours spent for the year, Yes, appointed, Pro Bono, State. (May 2021 - August 2021).
I was invited by the Dean to serve as a Program Reviewer (external) for the University of Oklahoma Health Sciences Department. "Due to your unique expertise, you were identified as a potential candidate by the Department Chair in collaboration with the department faculty..."
While I began the process for this institution, I had to withdraw due to a knee injury and subsequent surgery.
- Professional, Texas Society of Allied Health Professions Student Awards Committee, Reviewer, approximately 2 hours spent for the year, Yes, appointed, Pro Bono, State. (September 2019).
Invited to serve on 2019 review panel to evaluate student applications submitted to the Texas Society of Allied Health Professions student awards (seeking award/award money). I reviewed student applications submitted from higher education institutions across the state of Texas. I received a letter of appreciation for valuable contributions from the TSAHP Board of Directors and Student Awards Committee.
- Professional, American Association of Medical Dosimetrists, Yes, appointed, International. (2010 - January 1, 2019).
Medical Dosimetry Journal Associate Editor
- Professional, American Association of Medical Dosimetrists, Chairperson, Yes, appointed, International. (2013 - 2018).
Fellows Committee consists of elevated Fellows within the organization. I served as the Chairperson having developed and initiated the program and successfully continued to assist with application and elevation of fellows to present day.
- Professional, American Association of Medical Dosimetrists, Committee Chair, Yes, appointed, International. (August 1, 2012 - July 31, 2018).

Responsible for developing and directing a new committee tasked at creating webinars and online CE modules for members.

Professional, American Association of Medical Dosimetrists, Task Force Member, Yes, appointed, International. (2013 - 2014).

Part of task group responsible for development of AAMD study guide.

Professional, American Association of Medical Dosimetrists, Task Force Member, Yes, appointed, International. (2009 - 2013).

Fellows task group responsible for developing the fellows program

Professional, American Association of Medical Dosimetrists, Committee Chair, Yes, appointed, International. (2008 - 2013).

Responsibilities of the AAMD Information Technology Committee Chair duties.

Professional, American Association of Medical Dosimetrists, Committee Chair, Education Committee Chair, Yes, appointed, International. (2007 - July 31, 2012).

Responsibilities of the Education Committee Chair duties

Professional, Twin Cities Radiation Therapists, Committee Member, approximately 5 hours spent for the year, Yes, appointed, Regional. (2006 - 2011).

responsible for assisting with educational meetings; responsible for requesting continuing education credits from MDCB for medical dosimetrists who attend the meeting; responsible for creation of CE sign in sheets and certificates to be given to attendees

Professional, Twin Cities Radiation Therapists, Webmaster, No, neither, Pro Bono, Regional. (January 2006 - 2011).

Develop and maintain the website for the Twin Cities Radiation Therapists organization.

Service Presentations

Lenards, Nishele D, "Scheduling Calendar Appointments in Canvas", UWL Knowledge Base. (March 2020).

Recorded a screencast video to demonstrate the use of calendar scheduling integration in Canvas. This is helpful for instructors who want to set up specific times for students to sign up for meetings, calls, or sessions.

Udermann, Brian E (Coordinator/Organizer), Emineth, Kari (Panelist), Lenards, Nishele D (Panelist), Maher, Margaret A (Panelist), Thorman, Michele A (Panelist), Reineke, David M (Panelist), "Possibilities and Limitations of Online Science and Math Courses: Experiences of Five UWL Instructors", UW-La Crosse CATL, 153 Murphy. (April 2, 2018).

[Download File \(nlenards/present_service/2018_Sp_STEM_5_online_instructors-1.pdf\)](#)

Lenards, Nishele D, "Asynchronous Video Presentations for Online or F2F Courses using YouSeeU", UW-La Crosse, Passport to Technology Event. (February 1, 2013).

Lenards, Nishele D, "Using VoiceThread in the Classroom", UW-La Crosse, CATL Workshop 2011. (June 9, 2011).

UW-La Crosse CATL Workshop featuring various tools to use online. I presented about using VoiceThread in the Online Classroom.

Professional Memberships

American Society of Radiologic Technologists (ASRT), International. (November 2009 - Present).

ASRT Mission

The mission of the American Society of Radiologic Technologists is to advance the medical imaging and radiation therapy profession and to enhance the quality of patient care.

American Association of Medical Dosimetrists (AAMD), International. (January 1995 - Present).
The professional society for medical dosimetrists internationally

American Society of Therapeutic Radiation Oncology (ASTRO), International. (March 2005 - 2021).
International Organization for professionals in radiation oncology

Association of Educators in Imaging & Radiologic Sciences (AEIRS), International. (2019 - 2020).
To meet the needs of the educators in the imaging and radiologic sciences through the academic environment and to provide a means for health care professionals to exchange expertise and ideas.

Twin Cities Radiation Therapists, Regional. (January 2006 - April 2011).
Local/regional professional organization for radiation therapists

VI. ADDITIONAL INFORMATION

A. Awards and Honors

AAMD Writing Competition Awards

- 2nd Place Student Writing Competition, American Association of Medical Dosimetrists (AAMD), Scholarship/Research. (June 2021).
- 2nd Place Student Writing Competition, American Association of Medical Dosimetrists (AAMD), Scholarship/Research. (June 2019).
- 1st Place Student Writing Competition, American Association of Medical Dosimetrists (AAMD), Scholarship/Research. (June 2016).
- 3rd Place Student Writing Competition, American Association of Medical Dosimetrists (AAMD), Scholarship/Research. (June 2014).

Scholarship Recipient

Gunilla Bentel Scholarship Recipient, American Association of Medical Dosimetrists (AAMD), Scholarship/Research. (2013).

Varian Radiation Therapy Advancement Scholarship, American Society of Radiologic Technologists (ASRT), Scholarship/Research. (2013).

Varian Radiation Therapy Advancement Scholarship, American Society of Radiologic Technologists (ASRT), Scholarship/Research. (May 2012).

Elekta Radiation Therapy Educator's Scholarship, American Society of Radiologic Technologists (ASRT), Scholarship/Research. (May 2011).

Professional Recognition & Achievement

One of Top 5 journal articles in 2020, American Association of Medical Dosimetrists (AAMD), Scholarship/Research. (2020).

Award of Excellence, American Association of Medical Dosimetrists (AAMD), Service, Professional. (June 2013).

Fellow, American Association of Medical Dosimetrists (AAMD), Service, Professional. (November 18, 2011).

B. Faculty Development

Other Activities

Professional Conferences

- "AAMD Annual Meeting", American Association of Medical Dosimetrists, Virtual, United States. (June 2021).
- "SROA Annual Meeting", Society for Radiation Oncology Administrators, Virtual, United States. (October 2020).
- "AAMD Annual Meeting", American Association of Medical Dosimetrists, Virtual, United States. (July 2020).
- "AAMD Annual Meeting", AAMD, Austin, Texas, United States. (June 16, 2018 - June 21, 2018).
- "AAMD Annual Meeting", American Association of Medical Dosimetrists (AAMD), Indianapolis, IN, United States. (June 2017).
- "Annual Radiation Therapy Educational Conference", American Society of Radiologic Technologists (ASRT) & American Society of Radiation Oncology (ASTRO), Boston, MA, United States. (September 2016).
- "AAMD Annual Meeting", American Association of Medical Dosimetrists (AAMD), Atlanta, GA, United States. (June 2016).
- "AAMD Annual Meeting", American Association of Medical Dosimetrists (AAMD), Orlando, FL, United States. (June 2015).
- "14th Annual Radiation Oncology Conference for Therapists & Dosimetrists", Roswell Park Cancer Institute, Niagara Falls, NY, United States. (September 2013).
- "AAMD Annual Meeting", American Association of Medical Dosimetrists (AAMD), San Antonio, United States. (June 2013).
- "Annual Radiation Therapy Educational Conference", American Society of Radiologic Technologists (ASRT) & American Society of Radiation Oncology (ASTRO), Boston, MA, United States. (October 2012).
- "AAMD Annual Meeting", American Association of Medical Dosimetrists (AAMD), Atlanta, GA, United States. (June 2012).
- "Annual Radiation Therapy Educational Conference", American Society of Radiologic Technologists (ASRT) & American Society of Radiation Oncology (ASTRO), Miami, FL, United States. (October 1, 2011 - October 4, 2011).

UWL Faculty Development

Service, Technology Training, "Canvas Training for Faculty", UW-La Crosse, La Crosse, WI, United States, No. (May 21, 2018 - May 22, 2018).

Service, Technology Training, "Canvas Train the Trainer", UW-La Crosse, La Crosse, WI, United States, No. (March 26, 2018).

Clinical Application Training

Teaching, Technology Training, "Varian EC102 Eclipse Treatment Planning Course", Varian Medical Systems, Las Vegas, NV, United States. (March 2018).

Teaching, Technology Training, "Varian EC101 Eclipse Treatment Planning Course", Varian Medical Systems, Las Vegas, NV, United States. (March 2017).

E-Learning & Technology Conferences

Teaching, Instructional-Related Conference, "4th Annual International Symposium Emerging Technologies for Online Learning", Sloan-C Emerging Technologies for Online Learning, San Jose, CA, United States, Yes. (July 11, 2011 - July 13, 2011).