

UNDERGRADUATE CURRICULUM COMMITTEE MINUTES

Date: 11/6/08

Minutes Approved by: SAYS Date Approved 12/15/2008

TO: Dr. Stephen A. Richters
Provost

FROM: Dr. Lon Smith, Chair
Undergraduate Curriculum Committee
And
Dr. A. Serpil Saydam, Vice-Chair and Secretary
Undergraduate Curriculum Committee

FACULTY MEMBERS PRESENT: L. Smith, J. Burgess, B. Fassett, P. Jones, C. Michaelides, P. Nelson, H. Rappaport, B. Ricks, S. Saydam, D. Schweem, J. Stockley

FACULTY MEMBERS ABSENT: N/A

FACULTY MEMBERS EXCUSSED:

EX-OFFICIO MEMBERS PRESENT: C. Lee, J. Perrin

EX-OFFICIO MEMBERS EXCUSSED: N/A

STUDENT MEMBERS PRESENT: N/A

1. THE DEPARTMENT OF MATHEMATICS requests:

Presenter:	S. Saydam
Action:	CHANGE MATH 407 (History of Mathematics) to a Undergraduate/Graduate Level
Credit Hours:	3
Current Level:	Undergraduate
Proposed Level:	Undergraduate/Graduate
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Spring 2009
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

2. **THE DEPARTMENT OF MATHEMATICS** requests:

Presenter:	S. Saydam
Action:	CHANGE MATH 417 (Advanced Real Analysis) to a Undergraduate/Graduate Level
Credit Hours:	3
Current Level:	Undergraduate
Proposed Level:	Undergraduate/Graduate
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Spring 2009
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

3. **THE DEPARTMENT OF AGRICULTURE** requests:

Presenter:	J. Casey
Action:	ADD COURSE: AGRB 312 (Rural Real Estate Appraisal)
Course Description:	312. Rural Real Estate Appraisal. 3 cr. This course covers the basic techniques and principles of estimating fair market value and production value of rural real estate committed to agricultural production. Data need, methodologies, report writing, and appraisal ethics are covered in detail and related to rural land.
Credit Hours:	3
Current Level:	Undergraduate
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Spring 2009
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	

Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

4. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	ADD COURSE: RADT 200 (Fundamentals of Medical Imaging)
Course Description:	200. Fundamentals of Medical Imaging. 2 cr. An overview of the foundations in imaging sciences and the practitioner's role in the health care delivery system. F, Sp
Credit Hours:	2
Current Level:	Undergraduate
Activity Type:	LEC
Maximum Hours To Be Earned:	2
Cross-Listed:	
Change Effective:	094
First Term Offered:	094
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	Fundamentals
UCC Decision:	Approved
Notes:	

5. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	CLOSE and REMOVE RADT 101 (Introduction)
Credit Hours:	
Current Level:	Undergraduate
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	
First Term Offered:	
Last Term Offered:	091
Offered	

Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

6. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	CLOSE and REMOVE RADT 204 (Clinical Radiography Orientation)
Credit Hours:	
Current Level:	Undergraduate
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	
First Term Offered:	
Last Term Offered:	091
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

7. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	ADD COURSE: RADT 308 (Ethics, Diversity, and Law)
Course Description:	308. Ethics, Diversity, and Law. 2cr. Principles of diversity and ethics, as well as the procedures and policies within medical law that regulate imaging professionals. Prerequisite: RATE standing. Sp
Credit Hours:	2
Current Level:	Undergraduate
Activity Type:	LEC
Maximum Hours To Be Earned:	2
Cross-Listed:	
Change Effective:	094

First Term Offered:	101
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	Ethics, Div., Law
UCC Decision:	Approved
Notes:	

8. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	CHANGE COURSE DESCRIPTION, PREREQUISITE and CREDIT HOURS of RADT 309 (Methods of Patient Care)
<p>Current Course Description: 309. Methods of Patient Care. 3cr. General patient care, principles of body mechanics, and specific nursing procedures related to radiologic technology. Prerequisite: RADT 204. F</p> <p>Proposed Course Description: 309. Methods of Patient Care. 2cr. General patient care, principles of body mechanics, and specific nursing procedures related to radiologic technology. Prerequisite: RATE standing. F</p>	
Credit Hours:	2
Current Level:	Undergraduate
Activity Type:	LEC
Maximum Hours To Be Earned:	2
Cross-Listed:	
Change Effective:	094
First Term Offered:	094
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

9. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
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Action:	ADD COURSE: RADT 310 (Patient Care Laboratory)
Course Description:	310. Patient Care Laboratory. 1cr. A laboratory course to accompany RADT 309. Prerequisite: RATE standing. F
Credit Hours:	1
Current Level:	Undergraduate
Activity Type:	LAB
Maximum Hours To Be Earned:	1
Cross-Listed:	
Change Effective:	094
First Term Offered:	094
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	Patient Care Lab
UCC Decision:	Approved
Notes:	

10. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	ADD COURSE: RADT 311 (Imaging Equipment and Radiation Production)
Course Description:	311. Imaging Equipment and Radiation Production. 3cr. Introduction to the systems, components, and processes of x-ray production, x-ray interaction with matter, and radiation protection. Prerequisite: RATE standing. F
Credit Hours:	3
Current Level:	Undergraduate
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	094
First Term Offered:	094
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	Equip/Rad Production
UCC Decision:	Approved

Notes:	
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11. THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY requests:

Presenter:	M. Matusiak
Action:	CLOSE and REMOVE RADT 313 (Radiographic Procedures)
Credit Hours:	
Current Level:	Undergraduate
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	
First Term Offered:	
Last Term Offered:	084
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

12. THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY requests:

Presenter:	M. Matusiak
Action:	CLOSE and REMOVE RADT 314 (Radiographic Procedures Laboratory)
Credit Hours:	
Current Level:	Undergraduate
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	
First Term Offered:	
Last Term Offered:	084
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	

UCC Decision:	Approved
Notes:	

13. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	ADD COURSE: RADT 316 (Radiographic Procedures I)
Course Description: 316. Radiographic Procedures I. 3cr. The principles and skills involved in routine radiographic positioning to demonstrate the thoracic/abdominal cavities, and extremities and associated girdles. Prerequisite: RATE standing. F	
Credit Hours:	3
Current Level:	Undergraduate
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	094
First Term Offered:	094
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	Rad Procedure I
UCC Decision:	Approved
Notes:	

14. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	ADD COURSE: RADT 317 (Radiographic Procedures Laboratory I)
Course Description: 317. Radiographic Procedures Laboratory I. 1cr. A laboratory course to accompany RADT 316. Prerequisite: RATE standing. F	
Credit Hours:	1
Current Level:	Undergraduate
Activity Type:	LAB
Maximum Hours To Be Earned:	1
Cross-Listed:	
Change Effective:	094
First Term Offered:	094
Last Term Offered:	

Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	Rad Proc Lab I
UCC Decision:	Approved
Notes:	

15. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	ADD COURSE: RADT 318 (Radiographic Procedures II)
Course Description:	318. Radiographic Procedures II. 3cr. The principles and skills involved in routine radiographic positioning to demonstrate the vertebral column, cranium, gastrointestinal tract, and urinary system. Prerequisite: RATE standing. Sp
Credit Hours:	3
Current Level:	Undergraduate
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	094
First Term Offered:	101
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	Rad Procedures II
UCC Decision:	Approved
Notes:	

16. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	ADD COURSE: RADT 319 (Radiographic Procedures Laboratory II)
Course Description:	319. Radiographic Procedures Laboratory II. 1 cr. A laboratory course to accompany RADT 318. Prerequisite: RATE standing.Sp
Credit Hours:	1
Current Level:	Undergraduate
Activity Type:	LAB
Maximum Hours To	1

Be Earned:	
Cross-Listed:	
Change Effective:	094
First Term Offered:	101
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	Rad Proc Lab II
UCC Decision:	Approved
Notes:	

17. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	CLOSE and REMOVE RADT 322 (Radiographic Procedures)
Credit Hours:	
Current Level:	Undergraduate
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	
First Term Offered:	
Last Term Offered:	091
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

18. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	CLOSE and REMOVE RADT 323 (Radiographic Procedures Laboratory)
Credit Hours:	
Current Level:	Undergraduate
Activity Type:	

Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	
First Term Offered:	
Last Term Offered:	091
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

19. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	ADD COURSE: RADT 326 (Digital Imaging)
Course Description:	<p>326. Digital Imaging. 2cr. Systems, components, and processes required for digital radiography and computed radiography; including charge-coupled devices, flat-panel detectors, photostimulable plates, and PACS. Prerequisite: RATE standing. Sp</p>
Credit Hours:	2
Current Level:	Undergraduate
Activity Type:	LEC
Maximum Hours To Be Earned:	2
Cross-Listed:	
Change Effective:	094
First Term Offered:	101
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	Digital Imaging
UCC Decision:	Approved
Notes:	

20. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	ADD COURSE: RADT 400 (Research Methods and Information Literacy)

Course Description: 400. Research Methods and Information Literacy. 3 cr. Intellectual inquiry, information literacy, and the use of scholarly research methods specific to imaging sciences. Prerequisite: RATE standing. F	
Credit Hours:	3
Current Level:	Undergraduate
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	094
First Term Offered:	094
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	Research/Info Lit
UCC Decision:	Approved
Notes:	RADT 400 will be designated as University Capstone for Department of Radiologic Technology.

21. THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY requests:

Presenter:	M. Matusiak
Action:	CLOSE and REMOVE RADT 409 (Advanced Radiographic Procedures)
Credit Hours:	
Current Level:	Undergraduate
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	101
First Term Offered:	
Last Term Offered:	094
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Remove course from 09-10 Catalog but leave in course inventory until course completion of the end of term 094.

22. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	CLOSE and REMOVE RADT 410 (Advanced Procedures Laboratory)
Credit Hours:	
Current Level:	Undergraduate
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	101
First Term Offered:	
Last Term Offered:	094
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Remove course from 09-10 Catalog but leave in course inventory until course completion of the end of term 094.

23. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	ADD COURSE: RADT 411 (Advanced Radiographic Procedures)
Course Description: 411. Advanced Radiographic Procedures. 2cr. The principles and skills involved in advanced radiographic procedures. Prerequisite: RATE standing. F	
Credit Hours:	2
Current Level:	Undergraduate
Activity Type:	LEC
Maximum Hours To Be Earned:	2
Cross-Listed:	
Change Effective:	094
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	

Abbreviated Course Title:	Adv Rad Procedures
UCC Decision:	Approved
Notes:	

24. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	ADD COURSE: RADT 412 (Advanced Radiographic Procedures Laboratory)
Course Description: 412. Advanced Radiographic Procedures Laboratory. 1cr. A laboratory course to accompany RADT 411. Prerequisite: RATE standing. F	
Credit Hours:	1
Current Level:	Undergraduate
Activity Type:	LAB
Maximum Hours To Be Earned:	1
Cross-Listed:	
Change Effective:	094
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	Adv Procedures Lab
UCC Decision:	Approved`
Notes:	

25. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	CLOSE and REMOVE RADT 424 (Diagnostic Imaging)
Credit Hours:	
Current Level:	Undergraduate
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	101
First Term Offered:	
Last Term Offered:	094
Offered	

Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Remove course from 09-10 Catalog but leave in course inventory until course completion of the end of term 094.

26. THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY requests:

Presenter:	M. Matusiak
Action:	ADD COURSE: RADT 427 (Advanced Imaging)
Course Description:	427. Advanced Imaging. 2cr. Generators, digital image manipulation and controls, digital fluoroscopy, and subtraction radiography. Introduction to Ultrasound, MRI, and Nuclear Medicine image acquisition. Prerequisite: RATE standing. F
Credit Hours:	2
Current Level:	Undergraduate
Activity Type:	LEC
Maximum Hours To Be Earned:	2
Cross-Listed:	
Change Effective:	094
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	Advanced Imaging
UCC Decision:	Approved
Notes:	

27. THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY requests:

Presenter:	M. Matusiak
Action:	CLOSE and REMOVE RADT 428 (Special Radiographic Procedures)
Credit Hours:	
Current Level:	Undergraduate
Activity Type:	
Maximum Hours To Be Earned:	

Cross-Listed:	
Change Effective:	102
First Term Offered:	
Last Term Offered:	101
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Remove course from 09-10 Catalog but leave in course inventory until course completion of the end of term 101.

28. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	ADD COURSE: RADT 430 (Vascular / Interventional Procedures)
Course Description:	430. Vascular / Interventional Procedures. 3 cr. Principles and skills involved in vascular/interventional procedures. Prerequisite: RATE standing. F, Sp, S
Credit Hours:	3
Current Level:	Undergraduate
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	094
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	Vas / Interventional
UCC Decision:	Approved
Notes:	

29. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	ADD COURSE: RADT 435 (Computed Tomography)
Course Description:	435. Computed Tomography. 2cr. Content is designed to provide entry-level radiography students with principles related to computed tomography (CT) and

multiplanar imaging. Prerequisite: RATE standing. Sp	
Credit Hours:	2
Current Level:	Undergraduate
Activity Type:	LEC
Maximum Hours To Be Earned:	2
Cross-Listed:	
Change Effective:	094
First Term Offered:	111
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	CT
UCC Decision:	Approved
Notes:	

30. **THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY** requests:

Presenter:	M. Matusiak
Action:	CHANGE CATALOG content pages 208, 209.
<p>Course Content: REMOVE ALL CONTENT under RADIOLOGIC TECHNOLOGY</p> <p>Proposed Content: RADIOLOGIC TECHNOLOGY (RADT)</p> <p>Required for a major: 200, 303, 308, 309, 310, 311, 315, 316, 317, 318, 319, 320, 321, 324, 326, 327, 328, 400, 405, 411, 412, 413, 419, 420, 425, 427, 432, 435 – Total of 69 semester hours.</p> <p style="text-align: center;">For Undergraduates Only</p> <p>200. FUNDAMENTALS OF MEDICAL IMAGING. 2cr. An overview of the foundations in imaging sciences and the practitioner's role in the health care delivery system. F, Sp</p> <p style="text-align: center;">For Professional Students Only</p> <p>303. RADIOGRAPHIC PROCESSING TECHNIC. 2cr. The fundamentals of processing technics: chemistry, equipment, and methods of automatic processing. Prerequisite: RATE standing. F</p> <p>308. ETHICS, DIVERSITY, AND LAW. 2cr. Principles of diversity and ethics, as well</p>	

as the procedures and policies within medical law that regulate imaging professionals. Prerequisite: RATE standing. Sp

309. METHODS OF PATIENT CARE. 2cr. General patient care, principles of body mechanics, and specific nursing procedures related to radiologic technology. Prerequisite: RATE standing. F
310. PATIENT CARE LABORATORY. 1cr. A laboratory course to accompany RADT 309. Prerequisite: RATE standing. F
311. IMAGING EQUIPMENT AND RADIATION PRODUCTION. 3cr. Introduction to the systems, components, and processes of x-ray production, x-ray interaction with matter, and radiation protection. Prerequisite: RATE standing. F
315. CLINICAL RADIOGRAPHY. 4cr. Sixteen hours per week of supervised clinical experience in an approved medical center. Prerequisite: RATE standing. F
316. RADIOGRAPHIC PROCEDURES I. 3cr. The principles and skills involved in routine radiographic positioning to demonstrate the thoracic/abdominal cavities, and extremities and associated girdles. Prerequisite: RATE standing. F
317. RADIOGRAPHIC PROCEDURES LABORATORY I. 1cr. A laboratory course to accompany RADT 316. Prerequisite: RATE standing. F
318. RADIOGRAPHIC PROCEDURES II. 3cr. The principles and skills involved in routine radiographic positioning to demonstrate the vertebral column, cranium, gastrointestinal tract, and urinary system. Prerequisite: RATE standing. Sp
319. RADIOGRAPHIC PROCEDURES LABORATORY II. 1 cr. A laboratory course to accompany RADT 318. Prerequisite: RATE standing. Sp
320. RADIOGRAPHIC EXPOSURE. 2cr. Radiographic exposure principles: prime factors, factors influencing radiographic quality, beam restricting devices and attenuating devices. Prerequisite: RATE standing. Sp
321. RADIOGRAPHIC EXPOSURE LABORATORY. 1cr. A laboratory course to accompany 320. Prerequisite: RATE standing. Sp
324. CLINICAL RADIOGRAPHY. 4cr. Sixteen hours per week of supervised clinical experience in an approved medical center. Prerequisite: RATE standing. Sp
326. DIGITAL IMAGING. 2cr. Systems, components, and processes required for digital radiography and computed radiography; including charge-coupled devices, flat-panel detectors, photostimulable plates, and PACS. Prerequisite: RATE standing. Sp

327. CLINICAL RADIOGRAPHY. 4cr. Thirty-two hours per week of supervised clinical experience in an approved medical center. Prerequisite: RATE standing. S
328. CLINICAL RADIOGRAPHY. 4cr. Thirty-two hours per week of supervised clinical experience in an approved medical center. Prerequisite: RATE standing. S
400. RESEARCH METHODS AND INFORMATION LITERACY. 3 cr. Intellectual inquiry, information literacy, and the use of scholarly research methods specific to imaging sciences. Prerequisite: RATE standing. F
405. RADIOBIOLOGY. 2cr. Fundamentals of radiation biology with special emphasis on clinical aspects, including dosage, common pathologies, and protective measures. Prerequisite: RATE standing. Sp
411. ADVANCED RADIOGRAPHIC PROCEDURES. 2cr. The principles and skills involved in advanced radiographic procedures. Prerequisite: RATE standing. F
412. ADVANCED RADIOGRAPHIC PROCEDURES LABORATORY. 1cr. A laboratory course to accompany RADT 411. Prerequisite: RATE standing. F
413. ADVANCED CLINICAL RADIOGRAPHY. 6cr. Twenty hours per week of supervised clinical experience in an approved medical center. Prerequisite: RATE standing. F
- 419-420. PATHOLOGY. 2cr. each. A general survey of medical and surgical diseases related to diagnostic radiography. Prerequisite: RATE standing. F, Sp
425. RADIOLOGIC OPERATIONS. 2cr. Principles and problems in administrative functions, supervision of radiology departments, personnel guidance, productivity, and budget. Prerequisite: RATE standing. Sp
427. ADVANCED IMAGING. 2cr. Generators, digital image manipulation and controls, digital fluoroscopy, and subtraction radiography. Introduction to Ultrasound, MRI, and Nuclear Medicine image acquisition. Prerequisite: RATE standing. F
430. VASCULAR / INTERVENTIONAL PROCEDURES. 3cr. Principles and skills involved in vascular / interventional procedures. Prerequisite: RATE standing. F,Sp,S
432. ADVANCED CLINICAL RADIOGRAPHY. 6cr. Twenty hours per week of supervised clinical experience in an approved medical center. Prerequisite: RATE standing. Sp
435. COMPUTED TOMOGRAPHY. 2cr. Content is designed to provide entry-level

radiography students with principles related to computed tomography (CT) and multiplanar imaging. Prerequisite: RATE standing. Sp

450. RADIOLOGIC SEMINAR. 2cr. Presentation of oral and written reports on current topics in the Radiologic Sciences. Students are required to prepare appropriate visual aids to illustrate their discussion. Prerequisite: RATE standing. Sp

455. DIRECTED STUDY. 3cr. Individual investigation of selected problems in the Radiologic Sciences. Content varies: A. Diagnostic Radiology, B. Therapeutic Radiology, C. Nuclear Medicine, D. Ultrasonography, E. Quality Assurance, F. Computers in Radiology, I. Computed Tomography (CT), J. Magnetic Resonance Imaging, K. Vascular and Interventional Radiology, L. Mammography, M. Supervision and Education. Prerequisite: RATE standing. F, Sp, S

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	094
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

31. THE DEPARTMENT OF RADIOLOGIC TECHNOLOGY requests:

Presenter:	M. Matusiak																
Action:	DEGREE PLAN Change for Pre-Radiologic Technology and Radiologic Technology																
<p>Current Degree Plan: PRE-RADIOLOGIC TECHNOLOGY Freshman Year Hrs.</p> <table> <tr> <td>Core English Composition</td> <td>6</td> </tr> <tr> <td>Chemistry Elective</td> <td>3</td> </tr> <tr> <td>Core Mathematics</td> <td>6</td> </tr> <tr> <td>Biology 114, 115, 116, 117</td> <td>8</td> </tr> <tr> <td>AHSC 200 (formerly AHSC 330)</td> <td>2</td> </tr> <tr> <td>Core Humanities Elective</td> <td>3</td> </tr> <tr> <td>Radiologic Technology 101</td> <td>1</td> </tr> <tr> <td>Core Social Science Elective</td> <td>3</td> </tr> </table>		Core English Composition	6	Chemistry Elective	3	Core Mathematics	6	Biology 114, 115, 116, 117	8	AHSC 200 (formerly AHSC 330)	2	Core Humanities Elective	3	Radiologic Technology 101	1	Core Social Science Elective	3
Core English Composition	6																
Chemistry Elective	3																
Core Mathematics	6																
Biology 114, 115, 116, 117	8																
AHSC 200 (formerly AHSC 330)	2																
Core Humanities Elective	3																
Radiologic Technology 101	1																
Core Social Science Elective	3																

FRYS 101	(1)
32	
Sophomore Year	
Biology 228 or 214.....	3
Physics 203, 209, 204, 210	8
Psychology 201	3
Core Humanities Electives	6
Radiologic Technology 204	2
Core Fine Arts Elective	3
25	

RADIOLOGIC TECHNOLOGY

Junior Year Hrs.

Radiologic Technology 303, 309, 313, 314, 315, 320, 321, 322, 323, 324, 325	26
26	

Junior Year Summer Term First Session

Radiologic Technology 327	4
4	

Junior Year Summer Term Second Session

Radiologic Technology 328	4
4	

Senior Year

Radiologic Technology 403, 405, 409, 410, 413, 419, 420, 424, 425, 428, 432	28
University Capstone ^{uc}	3
31	

Total hours for degree, 125.

Proposed Degree Plan:

PRE-RADIOLOGIC TECHNOLOGY

Freshman Year	Hrs.
<u>First Semester</u>	
English 101 ^{CE}	3
Math 110 or 111, or 113 ^{CM*}	3
Biology 114	3
Biology 116	1
CORE Humanities ^{CH}	3
FRYS 101	<u>(1)</u>
	13
 <u>Second Semester</u>	
English 102 ^{CE}	3
Math 112, or 116 ^{CM*}	3
Biology 115	3
Biology 117	1
Chemistry Elective (101 or higher)	3
CORE Art Elective ^{CA}	<u>3</u>
	16

*Students may take either: (Math 110 or 111 and 112) **OR** (Math 113 and 116)

Sophomore Year

Fall Semester

CORE Humanities ^{CH}	3
CORE Social Science Elective ^{CS}	3
Radiologic Technology 200	2
Physics 203	3
Physics 209	1
Allied Health Science 200	<u>2</u>
	14

Spring Semester

CORE Humanities ^{CH}	3
Psychology 201	3
Physics 204	3
Physics 210	1
Biology 228	<u>3</u>
	13

RADIOLOGIC TECHNOLOGY

Junior Year **Hrs.**

Fall Semester

RADT 303, 309, 310, 311, 315, 316, 317	16
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Spring Semester

RADT 308, 318, 319, 320, 321, 324, 326	15
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Summer Semesters

RADT 327, 328	8
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Senior Year

Fall Semester

RADT 400 ^{UC} , 411, 412, 413, 419, 427	16
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Spring Semester

RADT 405, 420, 425, 432, 435, 450 (elective)	14
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Total hours for degree, 125.

Credit Hours:	
Current Level:	
Activity Type:	

Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	094
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	