

Revised 7/23/07

PROPOSAL SUMMARY AND ROUTING FORM

Proposal Title: Diagnostic Medical Sonography Program Clean Up

Initiating Unit or Individual: Diagnostic Medical Sonography

Contact Person's Name: Michelle Weemaes e-mail: weemaesm@ferris.edu phone: 591-3071

Date or Term of Proposal Implementation: spring 2010

- Group I - A – New degree/major or major, redirection of a current offering, or elimination of a degree, major or minor
- Group I - B – New minors or concentrations
- Group II - A – Minor curriculum clean-up and course changes
- Group II - B – New Course
- Group III - Certificates
- Group IV – Off-Campus Programs

Group/Individual	Signature	Date	Vote/Action *
Program Faculty	<i>Michelle Weemaes</i>	11/9/09	2 Support 0 Support with Concerns 0 Not Support
Department Faculty	<i>Theresa A. Raglin</i>	11/9/09	13 Support 0 Support with Concerns 0 Not Support
Department Head	<i>Theresa A. Raglin</i>	11/9/09	X Support 0 Support with Concerns 0 Not Support
College Curriculum Committee	<i>Barbara Goss</i>	11/10/09	8 Support 0 Support with Concerns 0 Not Support
College Faculty	<i>Ally Handline</i>	11/12/09	7 Support 0 Support with Concerns 0 Not Support
Dean	<i>Ally Handline</i>	11/12/09	7 Support 0 Support with Concerns 0 Not Support
University Curriculum Committee	<i>[Signature]</i>	12/7/09	9-0 Support 0 Support with Concerns 0 Not Support
Senate	<i>Richard Suffer</i>	1/18/10	9-0 Support 0 Support with Concerns 0 Not Support
Academic Affairs	<i>[Signature]</i>	1/24/10	9-0 Support 0 Support with Concerns 0 Not Support

* Support with Concerns or Not Support must include a list of specific concerns. Votes must be shown for faculty groups. Administrators check appropriate action taken.

To be completed by Academic Affairs

President (Date Approved) _____ Board of Trustees (Date Approved) _____ President's Council (Date Approved) _____

JAN 20 2010
PROVOST

1. Proposal Summary

(Summary is generally less than one page. Briefly: state what is proposed with a summary of rationale and highlights. Additional rationale may be attached.)

The Diagnostic Medical Sonography (DMS) program needs to add additional content to the curriculum in order to align the curriculum with the new "Standards and Guidelines" put forth by our accrediting agency Joint Review Committee for Diagnostic Medical Sonography (JRC DMS). Content to be added into the program includes: statistics, medical law, management of ultrasound labs and additional pathophysiology. The new curriculum would increase SONO 111 Sonographic Pathophysiology of Abdominal organs from 3 credits to 4 credits and add a new 1 credit course SONO 287 Management in DMS. Although the Sono 111 will incorporate additional pathophysiology content no change the Form F is needed because pathology is already listed. In addition SONO 285 Sonographic Interpretation II will change from 4 credits to 3 credits because the need for the physics review has been eliminated due to student eligibility to write the ARDMS physics boards two semesters previous.

2. Summary of All Course Action Required*

a. Newly Created Courses to FSU:

Prefix	Number	Title
SONO	287	Management in DMS

b. Courses to be Deleted From FSU Catalog:

Prefix	Number	Title
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c. Existing Course(s) to be Modified:

Prefix	Number	Title
SONO	111	Sonographic Pathophysiology of Abdominal Organs
SONO	285	Sonographic Interpretation II

d. Addition of existing FSU courses to program

Prefix	Number	Title
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e. Removal of existing FSU courses from program

Prefix	Number	Title
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FLITE SERVICES CONSULTATION FORM

To be completed by the liaison librarian and approved by the Dean of FLITE. All returned forms should be included in the proposal. **FLITE must respond within 20 calendar days of receipt of this form to insure that the form is included in the final proposal.**

FAILURE TO RESPOND IS CONSIDERED AS SUPPORT OF THE CHANGE.

RE: Proposal Title: SONO 287 Management in DMS

Projected number of students per year affected by proposed change: Spring 2010

Initiator(s): Diagnostic Medical Sonography Program

Proposal Contact: Michelle Weemaes Date Sent: _____

Department: _____ Campus Address: _____
(Please print)

Liaison Librarian Signature: Alison Konecny Date: 11-5-09

Dean of FLITE Signature: Paul M. Moneys Date Returned: 11-6-09

Based upon our review on _____ (date), FLITE concludes that:

- Library resources to support the proposed curriculum change are currently available.
- Additional Library resources are needed but can be obtained from current funds.
- Support, but significant additional Library funds/resources are required in the amount of \$_____.
- Does not support the proposal for reasons listed below.

Comment regarding the impact this proposal will have on library resources, collection development, programs, etc. Use additional pages if necessary.

Sufficient resources should be available for the proposed changes.

Form D: Current Checksheet

FERRIS STATE UNIVERSITY
COLLEGE OF ALLIED HEALTH SCIENCES
Diagnostic Medical Sonography – Associate in Applied Science
ADVISING CHECKSHEET

Prerequisites:

BIOL 109 Basic Human Anatomy & Physiology 4 _____

PHYS 130 Concepts of Physics 4 _____

Required competencies: 8

Medical Vocabulary Proficiency (C or better in MRIS 102 or proficiency test) _____

Math Competency (Math ACT score of 24 or "C" or better in Math 115) _____

English Competency ("C" or better in ENGL 150) _____

FIRST YEAR

Fall Semester

CCHS 101 Orientation to Health Care 3 _____

PSYC 150 Introduction to Psychology 3 _____

SONO 100 Introduction to DMS 1 _____

SONO 102 Introduction to Sono. Imaging 1 _____

SONO 104 Introduction to Sono. Physics 3 _____

SONO 105 Sonography physics lab 1 _____

12

Winter Semester

CHCS 102 Safety Issues in Health Care 1 _____

CCHS 103 Clinical Skills 1 _____

SONO 111 Sono. Pathophys. of Abdominal Organs 3 _____

SONO 112 Abdominal Imaging Lab 1 _____

SONO 115 Sono. Cross Sectional Anatomy 1 _____

SONO 117 Introduction to Sono. Interpretation 2 _____

ENGL 250 English 2 3 _____

12

Summer Semester

*COMM 105 Interpersonal Communication

OR

COMM 221 Small Group Decision Making 3 _____

HUMN 220 Ethics in Healthcare

OR

HUMN 320 Biomedical Ethics 3 _____

SONO 121 Introduction to OB/GYN Imaging 3 _____

SONO 122 OB/GYN Imaging Lab 1 _____

SONO 131 Hemodynamics and Doppler Principles 1 _____

SONO 132 Hemodynamics and Doppler Lab 1 _____

12

SECOND YEAR

Fall semester

SONO 280 Clinical Internship I 8 _____

SONO 281 Small Parts and 4 _____

Invasive Procedures

12

Winter Semester

SONO 282 Clinical Internship II 8 _____

SONO 283 OB/GYN Imaging II 4 _____

12

Summer Semester

SONO 284 Clinical Internship III 8 _____

SONO 285 Sono Interpretation II 4 _____

12

80 hours needed for graduation _____

A grade of C or better is required for all courses on the Checksheet and FSUS 100.

An overall GPA of 2.0 or better is required for graduation.

BIOL 109, PHYS 130, MRIS 102, MATH 115, and ENGL 150 with a grade of C or better or equivalency/proficiency are required prerequisites to the professional sequence.

All general education courses must be completed with a grade of C or better before entering SONO 280.

Computer competency is demonstrated through program coursework.

In order to progress in the professional sequence of the program, a grade of C or better is required in all program courses. If a student does not pass a program course with a grade of C or better, they may re-apply to the program. Students may not re-take more than one professional sequence course.

FORM D: Current Checksheet

FERRIS STATE UNIVERSITY
COLLEGE OF ALLIED HEALTH SCIENCES
Diagnostic Medical Sonography – Associate in Applied Science
Advising Checksheet – for students entering Fall 2007

Name: _____ Student ID #: _____

REQUIRED		COURSE TITLE – PREREQUISITES IN ()	CRED	GRADE	REQ. MET
DMS MAJOR: 54 CREDITS REQUIRED					
SONO	100	Introduction to DMS (PHYS 130, BIOL 109, MRIS 102)	1		
SONO	102	Intro. to Sono. Imaging (admission to professional sequence)	1		
SONO	104	Intro. to Ultrasound Physics (admission to prof. sequence)	3		
SONO	105	Sono. Physics lab (admission to professional sequence)	1		
SONO	111	Sonographic Pathophysiology of Abdominal Organs(SONO 100, 102, 104, 105)	3		
SONO	112	Abdominal Imaging lab (SONO 100, 102, 104, 105)	1		
SONO	115	Sono Cross Sectional Anatomy (SONO 100, 102, 104, 105)	1		
SONO	117	Intro. to Sono. Interpretation (SONO 100, 102, 104, 105)	2		
SONO	121	Intro. to OB/GYN Imaging (SONO 111, 112, 115, 117)	3		
SONO	122	OB/GYN Imaging Lab (SONO 111, 112, 115, 117)	1		
SONO	131	Hemo. and Doppler Principles (SONO 111, 112, 115, 117)	1		
SONO	132	Hemo. and Doppler Lab (SONO 111, 112, 115, 117)	1		
SONO	280	Clinical Internship 1 (SONO 121, 122, 131, 132)	8		
SONO	281	Small Parts and Invasive procedures (SONO 121,122,131,132)	4		
SONO	282	Clinical Internship II (SONO 280, 281)	8		
SONO	283	OB/GYN Imaging II (SONO 280,281)	4		
SONO	284	Clinical Internship III (SONO 282,283)	8		
SONO	285	Sonographic Interpretation II (SONO 282, 283)	4		
COMMUNICATION COMPETENCE: 6 CREDITS REQUIRED					
ENGL	250	English 2 (Engl 150 grade C or higher)	3		
COMM	105	Interpersonal communication (none) OR			
	221	Small group decision making (none)	3		
SCIENTIFIC UNDERSTANDING: 8 CREDITS REQUIRED					
BIOL	109	Basic Human Anatomy & Physiology (none)	4		
PHYS	130	Concepts of Physics (Math 110 C- or 19 ACT or 460 SAT)	4		
QUANTITATIVE SKILLS: PROFICIENCY OR COURSE REQUIRED					
		ACT – Math subscore of 24 or higher or MATH 115 grade of C			
		ENGL 150 grade of C or competency			
SOCIAL AWARENESS: 3 CREDITS REQUIRED					
ELEC		Social Awareness Elective – 200 level or higher	3		
CULTURAL ENRICHMENT: 3 CREDITS REQUIRED					
ELEC		Cultural Enrichment Elective	3		
CAHS CORE REQUIREMENTS: 5 CREDITS REQUIRED					
CCHS	101	Orientation to Health Care (none)	3		
CCHS	102	Safety Issues in Health Care (none)	1		
CCHS	103	Clinical Skills (none)	1		
OTHER REQUIREMENTS					
		Computer Competency – Course or proficiency.			
		A grade of C or better is required for all courses on the Checksheet and FSUS 100.			
		An overall GPA of 2.0 or better is required for graduation.			
		BIOL 109, PHYS 130, MRIS 102, MATH 115, and ENGL 150 with a grade of C or better or equivalency/proficiency are required prerequisites to the professional sequence.			

	All general education courses must be completed with a grade of C or better before entering SONO 280.			
	In order to progress in the professional sequence of the program, a grade of C or better is required in all program courses. If a student does not pass a program course with a grade of C or better, they may re-apply to the program. Students may not re-take more than one professional sequence course.			
	TOTAL PROGRAM CREDITS	80		
Students who return to the University after an interrupted enrollment (not including summer semester) must meet the requirements which were in effect when they were originally admitted.				
Academic Advisor: _____ Date of Initial Evaluation: _____				
Student Signature: _____ Date: _____				
Graduation Clearance Form Complete: _____ Date: _____				

Form D Proposed Checksheet

**FERRIS STATE UNIVERSITY
COLLEGE OF ALLIED HEALTH SCIENCES
Diagnostic Medical Sonography – Associate in Applied Science
Proposed CURRICULUM PLAN / CHECKSHEET**

Prerequisites:

BIOL 109 Basic Human Anatomy & Physiology 4 ____
 PHYS 130 Concepts of Physics 4 ____

Required competencies:

Medical Vocabulary Proficiency (C or better in MRIS 102 or proficiency test) ____
 Math Competency (Math ACT score of 24 or "C" or better in Math 115) ____
 English Competency ("C" or better in ENGL 150) ____
 Computer Competency (competency is shown through program coursework) ____

FIRST YEAR

Fall Semester

CCHS 101 Orientation to Health Care 3 ____
 PSYC 150 Introduction to Psychology 3 ____

 SONO 100 Introduction to DMS 1 ____
 SONO 102 Introduction to Sono. Imaging 1 ____
 SONO 104 Introduction to Sono. Physics 3 ____
 SONO 105 Sonography physics lab 1 ____
 12

Spring Semester

CHCS 102 Safety Issues in Health Care 1 ____
 CCHS 103 Clinical Skills 1 ____
 SONO 111 Sono. Pathophys. of Abdominal Organs 4 ____
 SONO 112 Abdominal Imaging Lab 1 ____
 SONO 115 Sono. Cross Sectional Anatomy 1 ____
 SONO 117 Introduction to Sono. Interpretation 2 ____
 ENGL 250 English 2 3 ____
 13

Summer Semester

*COMM 105 Interpersonal Communication

OR

COMM 221 Small Group Decision Making 3 ____
 PHIL 220 Ethics in Healthcare

OR

PHIL 320 Biomedical Ethics 3 ____

SONO 121 Introduction to OB/GYN Imaging 3 ____
 SONO 122 OB/GYN Imaging Lab 1 ____
 SONO 131 Hemodynamics and Doppler Principles 1 ____
 SONO 132 Hemodynamics and Doppler Lab 1 ____
 12

SECOND YEAR

Fall semester

SONO 280 Clinical Internship I 8 ____
 SONO 281 Small Parts and Invasive Procedures 4 ____
 12

Spring Semester

SONO 282 Clinical Internship II 8 ____
 SONO 283 OB/GYN Imaging II 4 ____
 12

Summer Semester

SONO 284 Clinical Internship III 8 ____
 SONO 285 Sono Interpretation II 3 ____
 SONO 287 Management in DMS 1 ____
 12

81 hours needed for graduation ____

A grade of C or better is required for all courses on the Checksheet and FSUS 100.

An overall GPA of 2.0 or better is required for graduation.

BIOL 109, PHYS 130, MRIS 102, MATH 115, and ENGL 150 with a grade of C or better in two attempts or equivalency/proficiency are required prerequisites to the professional sequence.

All general education courses must be completed with a grade of C or better before entering SONO 280.

Computer competency is demonstrated through program coursework.

A grade below a C in any SONO course will result in an interruption of your progression in the program

FERRIS STATE UNIVERSITY
COLLEGE OF ALLIED HEALTH SCIENCES
Diagnostic Medical Sonography – Associate in Applied Science
Advising Checksheet

Name: _____

Student ID #: _____

REQUIRED	COURSE TITLE – PREREQUISITES IN ()		CRED	GRADE	REQ.MET
DMS MAJOR: 54 CREDITS REQUIRED					
SONO	100	Introduction to DMS (PHYS 130, BIOL 109, MRIS 102)	1		
SONO	102	Intro. to Sono. Imaging (admission to professional sequence)	1		
SONO	104	Intro. to Ultrasound Physics (admission to professional sequence)	3		
SONO	105	Sono. Physics lab (admission to professional sequence)	1		
SONO	111	Sonographic Pathophysiology of Abdominal Organs(SONO 100, 102, 104, 105)	4		
SONO	112	Abdominal Imaging lab (SONO 100, 102, 104, 105)	1		
SONO	115	Sono Cross Sectional Anatomy (SONO 100, 102, 104, 105)	1		
SONO	117	Intro. to Sono. Interpretation (SONO 100, 102, 104, 105)	2		
SONO	121	Intro. to OB/GYN Imaging (SONO 111, 112, 115, 117)	3		
SONO	122	OB/GYN Imaging Lab (SONO 111, 112, 115, 117)	1		
SONO	131	Hemo. and Doppler Principles (SONO 111, 112, 115, 117)	1		
SONO	132	Hemo. and Doppler Lab (SONO 111, 112, 115, 117)	1		
SONO	280	Clinical Internship 1 (SONO 121, 122, 131, 132)	8		
SONO	281	Small Parts and Invasive procedures (SONO 121,122,131,132)	4		
SONO	282	Clinical Internship II (SONO 280, 281)	8		
SONO	283	OB/GYN Imaging II (SONO 280,281)	4		
SONO	284	Clinical Internship III (SONO 282,283)	8		
SONO	285	Sonographic Interpretation II (SONO 282, 283)	3		
SONO	287	Management in DMS (Sono 282,283, equivalent)	1		
Communication Competence 6 credits required					
ENGL	250	English 2 (Engl 150 grade C or higher)	3		
COMM	105 or 221	Interpersonal communication (none) Small group decision making (none)	3		
SCIENTIFIC UNDERSTANDING: 8 CREDITS REQUIRED					
BIOL	109	Basic Human Anatomy & Physiology (none)	4		
PHYS	130	Concepts of Physics (Math 110 C- or 19 ACT or 460 SAT)	4		
QUANTITATIVE SKILLS: PROFICIENCY OR COURSE REQUIRED					
		ACT – Math subscore of 24 or higher or MATH 115 grade of C			
		ENGL 150 grade of C or competency			
SOCIAL AWARENESS: 3 CREDITS REQUIRED					
PSYC	150	Introduction to Psychology	3		
CULTURAL ENRICHMENT: 3 CREDITS REQUIRED					
PHIL	220 or 320	Ethics in Healthcare Or Biomedical Ethics	3		
CAHS CORE REQUIREMENTS: 5 CREDITS REQUIRED					
CCHS	101	Orientation to Health Care (none)	3		
CCHS	102	Safety Issues in Health Care (none)	1		
CCHS	103	Clinical Skills (none)	1		
OTHER REQUIREMENTS					
		Computer Competency – Course or proficiency			
		A grade of C or better is required for all courses on the Checksheet and FSUS 100			
		An overall GPA of 2.0 or better is required for graduation.			
		All general education and program classes must be completed before entering Sono 291.			
		BIOL 109, PHYS 130, MRIS 102, MATH 115, and ENGL 150 with a grade of C or better in two attempts or equivalency/proficiency are required prerequisites to the professional sequence.			
		A grade below a C in any SONO course will result in an interruption of your progression in the program			
		TOTAL PROGRAM CREDITS	81		

Students who return to the University after an interrupted enrollment (not including summer semester) must meet the requirements which were in effect when they were originally admitted.

Academic Advisor: _____ Date of Initial Evaluation: _____

Student Signature: _____ Date: _____

Graduation Clearance Form Complete: _____ Date: _____

MODIFY COURSE
Course Data Entry Form

FORM F

Modify Course
Rev. 07/23/07

I. ACTION TO BE TAKEN: MODIFY AN EXISTING COURSE

Notes:

1. Complete all parts of Sections I and II; complete only those items in Section III that represent changes.
2. If either prefix or number is being changed, use 'Delete Course' and 'Create New Course' forms rather than this form.

a. List the changes to be made (See Proposed Changes a through p below): Change SONO 111 from 3 credits to 4 credits.

b. Term Effective (6 digit code only): 201001 (Spring) Examples: 200801(Spring), 200805(Summer), 200808(Fall)

Note: The first four digits indicate year, the next two digits indicate month in which term begins.

II. CURRENT: Include information that is in the current course database.

a. Course Prefix SONO b. Number 111 c. Enter Contact Hours per week in boxes.
LECTure 3 LAB INDEpendent Study – Check (x)
Practicum: Seminar:

d. Course Title: Sono. Pathophys. Of Abdominal Organs

III. PROPOSED CHANGES: Complete only those boxes that represent proposed changes identified in Section I. Leave all other spaces blank.

a. Course Prefix b. Number c. Enter Contact Hours per week in boxes.
LECTure 4 LAB INDEpendent Study – Check (x)
Practicum: Seminar:

d. Course Title: Sono. Pathophys. Of Abdominal Organs (Limit to 30 characters/spaces.)

e. College Code: CAHS f. Department Code: DHMI

Credit Hours: Check (x) type and enter maximum and minimum hours in boxes.

g. Type: Variable Fixed h. Maximum Credit Hours 4 i. Minimum Credit Hours 4

j. May Be Repeated for Added Credit: Check (x) Yes No

k. Levels: Check (x) Undergraduate Graduate Professional

l. Grade Method: Check (x) Normal Grading Credit/No Credit only (Pass/Fail)

m. CATALOG DESCRIPTION – Limit to 75 words – PLEASE BE CONCISE.

n. Term(s) Offered: Spring (See instructions for listing.) o. Max. Section Enrollment: 24

p. Prerequisites/Co-requisites/Restrictions:

UCS Chair Signature/Date: _____ 12/7/09

Academic Affairs Approval Signature/Date: _____ 1/20/10

To be completed by Academic Affairs Office: - Standard & Measures Coding and General Education Code
 Basic Skill (BS) General Education (GE) Occupational Education (OC) G.E. Codes

Office of the Registrar use ONLY

Date Rec'd: _____ Date Completed: _____ Entered: SCACRSE __ SCADETL __ SCARRES __ SCAPREQ __

MODIFY COURSE
Course Data Entry Form

FORM F

Modify Course
Rev. 07/23/07

I. ACTION TO BE TAKEN: MODIFY AN EXISTING COURSE

Notes:

- 3. Complete all parts of Sections I and II; complete only those items in Section III that represent changes.
- 4. If either prefix or number is being changed, use 'Delete Course' and 'Create New Course' forms rather than this form.

a. List the changes to be made (See Proposed Changes a through p below): Decrease the credits in SONO 285 from 4 credits to 3 credits

b. Term Effective (6 digit code only): 201005(Summer) Examples: 200801(Spring), 200805(Summer), 200808(Fall)

Note: The first four digits indicate year, the next two digits indicate month in which term begins.

II. CURRENT: Include information that is in the current course database.

a. Course Prefix SONO b. Number 285 c. Enter Contact Hours per week in boxes.
LECTure 4 LAB INDEpendent Study – Check (x)
Practicum: Seminar:

d. Course Title: Sono. Interpretation II

III. PROPOSED CHANGES: Complete only those boxes that represent proposed changes identified in Section I. Leave all other spaces blank.

a. Course Prefix b. Number c. Enter Contact Hours per week in boxes.
LECTure 3 LAB INDEpendent Study – Check (x)
Practicum: Seminar:

d. Course Title: Sono. Interpretation II (Limit to 30 characters/spaces.)

e. College Code: CAHS f. Department Code: DHM

Credit Hours: Check (x) type and enter maximum and minimum hours in boxes.

g. Type: Variable Fixed h. Maximum Credit Hours 3 i. Minimum Credit Hours 3

j. May Be Repeated for Added Credit: Check (x) Yes No

k. Levels: Check (x) Undergraduate Graduate Professional

l. Grade Method: Check (x) Normal Grading Credit/No Credit only (Pass/Fail)

m. CATALOG DESCRIPTION – Limit to 75 words – PLEASE BE CONCISE.

n. Term(s) Offered: Summer (See instructions for listing.) o. Max. Section Enrollment: 24

p. Prerequisites/Co-requisites/Restrictions: Limited to 100 spaces.

UCC Chair Signature/Date: [Signature] 12/17/09

Academic Affairs Approval Signature/Date: [Signature] 1/24/10

To be completed by Academic Affairs Office: - Standard & Measures Coding and General Education Code
 Basic Skill (BS) General Education (GE) Occupational Education (OC) G.E. Codes

Office of the Registrar use ONLY

Date Rec'd: _____ Date Completed: _____ Entered: SCACRSE ___ SCADETL ___ SCARRES ___ SCAPREQ ___

I. ACTION TO BE TAKEN: CREATE A NEW COURSE

Notes

- 1. Complete each item in Section I and Section II.
- 2. If this course is to be used as a prerequisite for other university courses, Form Fs that reflect the prerequisite change must be submitted for those courses as well.

Term Effective (6 digit code only): 201005(Summer) Examples: 200801(Spring), 200805(Summer), 200808(Fall)

Note: The first four digits indicate year, the next two digits indicate month in which term begins.

II. PROPOSED FOR NEW COURSE: Complete all sections a through r, See manual for clarification.

a. Course Prefix

SONO

b. Number

287

c. Enter Contact Hours per week in boxes.

LECTure 1 LAB INDEpendent Study – Check (x)

Practicum: Seminar:

d. Course Title: Management in DMS

(Limit to 30 characters/spaces.)

e. College Code: CAHS

f. Department Code: DHMI

Credit Hours: Check (x) type and enter maximum and minimum hours in boxes.

g. Type: Variable x Fixed h. Minimum Credit Hours 1 i. Maximum Credit Hours 1

j. May Be Repeated for Added Credit: Check (x) Yes No

k. Levels: Check (x) xx Undergraduate Graduate Professional

l. Grade Method: Check (x) x Normal Grading Credit/No Credit only (Pass/Fail)

m. Does proposed new course replace an equivalent course? Check (x) Yes x No

n. Equivalent course: Prefix Number See instructions on Replacement courses.

o. CATALOG DESCRIPTION – Limit to 75 words – PLEASE BE CONCISE.

SONO 287 is a management course that focuses on statistical design, medical laws, billing and coding of ultrasound procedures and lab management strategies.

p. Term(s) Offered: SUMMER (See instructions for listing.) q. Max. Section Enrollment: 24

r. Prerequisites/Co-requisites/Restrictions: (If none, leave blank.) Limited to 100 spaces SONO 282, SON 283

UCC Chair Signature/Date:

[Signature] 12/7/09

Academic Affairs Approval Signature/Date:

[Signature] 1/24/10

To be completed by Academic Affairs Office: - Standard & Measures Coding and General Education Code

Basic Skill (BS) General Education (GE) Occupational Education (OC) G.E. Codes

Office of the Registrar use ONLY

Date Rec'd: ___ Date Completed: ___ Entered: SCACRSE ___ SCADETL ___ SCARRES ___ SCAPREQ ___

NEW COURSE INFORMATION FORM

See Sample – Limit to Two Pages Please

Course Identification:

Prefix:	Number	Title
SONO	287	Management in DMS

Course Description:

SONO 287 is a management course that focuses on statistical design, medical laws, billing and coding of ultrasound procedures, and lab management strategies.

Course Outcomes and Assessment Plan:

Course outcomes

Student will create statistic designs for quantitative lab measurements
 Students will create and interpret statistical data
 Students will make management decisions using medical law facts
 Students will identify medical laws that impact DMS
 Students will identify accurate billing and coding of DMS procedures
 Students will be able to create a DMS quality assurance program

Assessment

Case Studies
 Tests/case studies
 Tests/ case studies
 Tests
 Tests/ case studies
 Management model

Course Outline including Time Allocation:

Statistical Design	4 hours
Medical law	3 hours
Billing and coding	4 hours
Management strategies	3 hours
Career and success strategies	<u>1 hour</u>
Total	15 hours