



MASTER COURSE OUTLINE

A. DMSG 1401 Introduction to the Sonography Field

B. COURSE DESCRIPTION:

This course will introduce students to the sonography field, covering the origins and evolution of Diagnostic Medical Sonography. The students will learn the sonographer profile, sonographer safety; legal, ethical, and legislative issues; current sonographic examinations; and basic patient care skills.

(1 Cr – 1 lect, 0 lab)

C. *Core Theme: Critical Thinking

D. RIVERLAND INSTITUTIONAL LEARNING OUTCOMES:

This course addresses the following Riverland Institutional Learning Outcome(s):

- ☒ ILO 1: critical thinking (*Core Theme Goal 2*)
- ☐ ILO 2: awareness of the larger global community (*Core Theme Goal 7 or 8*)
- ☐ ILO 3: ethical, engaged citizenship (*Core Theme Goal 9 or Goal 10*)
- ☐ ILO 4: communication and collaboration (*Discipline Goal 1 and by any learning outcome(s) involving communication or collaboration*)

E. MAJOR CONTENT AREAS:

- Evolution of Diagnostic Medical Sonography
- Sonographer Development
- The Sonographer as a Student
- Sonographer Safety Issues
- Patient-Sonographer Interaction
- Communications and Critical Thinking Skills
- Sonographic Procedures
- Medico-Legal Aspects of Sonography
- Ethics and Professionalism
- Job opportunities

F. GOAL TYPE, OBJECTIVES, AND OUTCOMES:

<u>GOAL TYPE</u>	<u>OBJECTIVES</u>	<u>OUTCOMES</u>
	Students will be able to	The student will successfully
<u>*Critical Thinking</u>	analyze connections among facts, goals, and implicit assumptions relevant to a problem or claim; generate and evaluate implications that follow.	1. describe the evolutionary history of diagnostic ultrasound and the aptitude, abilities, and skills needed to be a sonographer.
<u>CS</u>	explore career pathways and job opportunities in sonography.	1. describe the variety of roles and specialties available to graduates of a sonography program.
<u>CS</u>	understand the ethical component of patient care and the professionalism required. Legal issues will also be discussed.	1. describe basic ethics and personal actions related to medico-legal issues.
<u>CS</u>	describe the program of study required to complete the sonography program at Riverland.	1. apply successfully to the sonography program, meet prerequisites, and adhere to deadline dates.

G. SPECIAL INFORMATION:

This course may require use of the Internet, the submission of electronically prepared documents and the use of a course management software program. Students who have a disability and need accommodations should contact Accessibility Services at the beginning of the semester. This information will be made available in alternative format, such as Braille, large print, or current media, upon request.

H. COURSE CODING INFORMATION:

Course Code X/Class Maximum 20; Letter Grade

Revision date:

AASC Approval date: 11/18/25

*These five MnTC Goals have been identified as Riverland Community College Core Themes. Every course in the Riverland Community College curriculum shall meet outcomes from one of these themes.

**These five MnTC Goals have been identified as Riverland Community College Disciplines. Riverland's MnTC courses also shall meet outcomes from a Discipline Area.

NOTE: The Minnesota Transfer Curriculum "10 Goal Areas of Emphasis" are reflected in the five required discipline areas and five core themes noted in the Riverland Community College program of study guide and/or college catalog.

*Riverland Community College Core Themes	MnTC Goal Number
Critical Thinking (CT)	2
Human Diversity (HD)	7A, 7B, 7A/B
Global Perspective (GP)	8
Ethical and Civic Responsibility (EC)	9
People and the Environment (PE)	10

**Riverland Community College Discipline Areas	MnTC Goal Number
Communication (CM)	1
Natural Sciences (NS)	3
Mathematics/Logical Reasoning (MA)	4
History and the Social & Behavioral Sciences (SS)	5
Humanities and Fine Arts (HU)	6