



MASTER COURSE OUTLINE

A. RADT 1245 Skeletal Anatomy

B. COURSE DESCRIPTION:

This course is an introductory study of the skeletal system. Students will be introduced to the terminology and anatomy related to the axial and appendicular skeletal system, bone features, bone development, bone classifications, associated fractures, and joints. This is a prerequisite course of the Radiography program, which is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Prerequisites: Human Biology, BIOL1030. **(3 Cr – 3 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 Goal 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:

- Axial and Appendicular skeletal anatomy
 - Upper Limb
 - Lower Limb
 - Skull and Facial Bones
 - Bony Thorax
 - Vertebral column
- Bony features
- Bone development
- Bone classifications
- Fractures
- Joints

F. GOAL TYPE, OBJECTIVES, AND OUTCOMES:

<u>GOAL TYPE</u>	<u>OBJECTIVES</u> Students will be able to	<u>OUTCOMES</u> The student will successfully
<u>**Critical Thinking</u>	gather factual information and apply it to a given problem in a manner that is relevant, clear, comprehensive, and conscious of possible bias in the information selected.	<ol style="list-style-type: none"> demonstrate an understanding of the skeletal system as it relates to radiography. describe the functions of the skeletal system.
<u>CS</u>	identify the different structures of the skeletal system.	<ol style="list-style-type: none"> identify important landmarks on a selected bone within both the axial and appendicular skeleton. describe the classifications of bones by size and shape. describe the main types and functions of joints and the types of joint movements.
<u>CS</u>	apply appropriate medical terminology as it relates to the skeletal system and associated pathologies.	<ol style="list-style-type: none"> demonstrate proficiency in using appropriate medical terms as it relates to the radiography profession.
<u>CS</u>	understand appropriate communication skills.	<ol style="list-style-type: none"> demonstrate appropriate communication skills.

G. SPECIAL INFORMATION:

This course requires 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 the instructor or the Student Success Center 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 A/Class Maximum 48; Letter Grade

Revision date: 03/30/22

AASC Approval date: 12/17/19; 05/03/22

*Riverland Community College Disciplines	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

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

*These five MnTC Goals have been identified as Riverland Community College Disciplines.

** These five MnTC Goals have been identified as Riverland Community College Core Themes.

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