

**University of Nevada, Las Vegas
College of Health Sciences
Department of Health Physics**

- Course Number:** CMI 361
- Course Title:** Computed Tomography Pathology
- Instructors:** Steen Madsen (Rm. 347, 702-895-1805)
steen.madsen@unlv.edu
- Prerequisite:** CMI 360, or consent of instructor.
- Credit Hours:** 3
- Description:** Study of computed tomography pathology. Structural abnormalities, and metastatic and benign tumors will be emphasized.
- Objectives:** Upon successful completion of this course, the student should be able to identify normal structures and common disease states on computed tomography images.
- Schedule:** One, 2.5-hour class period. Tuesdays, 4:00 – 6:45, BHS-210
- Office Hours:** Tues. 2:45-3:45 pm and by appointment.

Instructional Methodology:

1. Teaching Methods
 - a. Lectures
 - b. Case presentations

2. Teaching Aids
 - a. Videos, DVDs
 - b. Whiteboard
 - c. Handouts
 - d. Films

3. Students will be responsible for
 - a. All lecture material
 - b. Videos, DVDs

Student Evaluation:

The grades are distributed as follows:

- Exam #1 – 30%
- Exam #2 – 30%
- CT case presentations (2) – 20%
- ASRT Quizzes – 20%

Students unable to take exams #1 and #2 at the designated time will be given the opportunity to take them within one week of the regularly scheduled exam. If a student fails to take the exam within the one week grace period, he/she will fail the exam.

Grading:

<i>Grade Points</i>	<i>Letter Grade</i>
94-100	A
90-93	A-
87-89	B+
83-86	B
80-82	B-
77-79	C+
73-76	C
70-72	C-
60-69	D
<60	F

Required Texts* and Supplemental Reading:

W.R. Webb, W.E. Brant and N.M. Major, “*Fundamentals of Body CT*” 4th Edition, W.B. Saunders and Co., 2015.

Outline of Instruction (Tentative):

Date	Topic
Jan. 19	Introduction to Body CT
Jan. 26	Body CT
Feb. 2	Body CT
Feb. 9	Chest CT
Feb. 16	No class
Feb. 23	Head CT
Mar. 1	Presentation #1
Mar. 8	Exam #1
Mar. 15	Abdomen CT
Mar. 22	Spring Break
Mar. 29	Abdomen CT
Apr. 5	Abdomen CT
Apr. 12	Pelvis + Musculoskeletal
Apr. 19	CT Lumbar Spine
Apr. 26	Presentation #2
May 3	Exam #2
May 10	Finals

ASRT Modules

Jan. 26	Module 1 (Fundamentals) and Module 2 (Equipment and Instrumentation)
Feb. 2	<i>Quiz (Modules 1 & 2):</i> Module 3 (Data Acquisition) and Module 4 (Image Processing and Reconstruction)
Feb. 9	<i>Quiz (Modules 3 & 4):</i> Module 5 (Patient Safety) and Module 6 (Image Quality)
Feb. 23	<i>Quiz (Modules 5 & 6):</i> Module 7 (Procedures) and Module 8 (Cross-sectional Anatomy of the Head and Neck)
Mar. 15	<i>Quiz (Module 7):</i> Module 9 (Cross-sectional Anatomy of the Chest, Abdomen and Pelvis) and Module 10 (Additional Applications)
Apr. 5	<i>Quiz (Module 10):</i> Module 11 (Pathology Part 1) and Module 12 (Pathology Part 2)
Apr. 19	<i>Quiz (Modules 11 and 12)</i>

UNIVERSITY POLICIES:

Academic Misconduct – Academic integrity is a legitimate concern for every member of the campus community; all share in upholding the fundamental values of honesty, trust, respect, fairness, responsibility and professionalism. By choosing to join the UNLV community, students accept the expectations of the Student Academic Misconduct Policy and are encouraged when faced with choices to always take the ethical path. Students enrolling in UNLV assume the obligation to conduct themselves in a manner compatible with UNLV's function as an educational institution.

An example of academic misconduct is plagiarism. Plagiarism is using the words or ideas of another, from the Internet or any source, without proper citation of the sources. See the Student Academic Misconduct Policy (approved December 9, 2005) located at: <http://studentconduct.unlv.edu/misconduct/policy.html>.

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Violations of copyright laws could subject you to federal and state civil penalties and criminal liability, as well as disciplinary action under University policies. Additional information can be found at: <http://www.unlv.edu/provost/copyright>.

Disability Resource Center (DRC) – The UNLV Disability Resource Center (SSC-A 143, <http://drc.unlv.edu/>, 702-895-0866) provides resources for students with disabilities. If you feel that you have a disability, please make an appointment with a Disabilities Specialist at the DRC to discuss what options may be available to you. If you are registered with the UNLV Disability Resource Center, bring your Academic Accommodation Plan from the DRC to the instructor during office hours so that you may work together to develop strategies for implementing the accommodations to meet both your needs and the requirements of the course. Any information you provide is private and will be treated as such. To maintain the confidentiality of your request, please do not approach the instructor before or after class to discuss your accommodation needs.

Religious Holidays Policy – Any student missing class quizzes, examinations, or any other class or lab work because of observance of religious holidays shall be given an opportunity during that semester to make up missed work. The make-up will apply to the religious holiday absence only. It shall be the responsibility of the student to notify the instructor no later than the end of the first two weeks of classes, **September 22, 2015** of his or her intention to participate in religious holidays which do not fall on state holidays or periods of class recess. For additional information, please visit: <http://catalog.unlv.edu/content.php?catoid=6&navoid=531>.

Incomplete Grades - The grade of I – Incomplete – can be granted when a student has satisfactorily completed three-fourths of course work for that semester/session but for reason(s) beyond the student’s control, and acceptable to the instructor, cannot complete the last part of the course, and the instructor believes that the student can finish the course without repeating it. The incomplete work must be made up before the end of the following regular semester. If course requirements are not completed within the time indicated, a grade of F will be recorded and the GPA will be adjusted accordingly. Students who are fulfilling an Incomplete do not register for the course but make individual arrangements with the instructor who assigned the I grade. Please note – Students cannot enroll in other nursing courses if they have an incomplete (I) in a course that is designated as a prerequisite to that course. (Per School of Nursing Policy C-12).

Tutoring – The Academic Success Center (ASC) provides tutoring and academic assistance for all UNLV students taking UNLV courses. Students are encouraged to stop by the ASC to learn more about subjects offered, tutoring times and other academic resources. The ASC is located across from the Student Services Complex (SSC). Students may learn more about tutoring services by calling 702- 895-3177 or visiting the tutoring web site at: <http://academicsuccess.unlv.edu/tutoring/>.

UNLV Writing Center – One-on-one or small group assistance with writing is available free of charge to UNLV students at the Writing Center, located in CDC-3-301. Although walk-in consultations are sometimes available, students with appointments will receive priority assistance. Appointments may be made in person or by calling 702-895-3908. The student’s Rebel ID Card, a copy of the assignment (if possible), and two copies of any writing to be reviewed are requested for the consultation. More information can be found at: <http://writingcenter.unlv.edu/>

Rebelmail – By policy, faculty and staff should e-mail students’ Rebelmail accounts only. Rebelmail is UNLV’s official e-mail system for students. It is one of the primary ways students receive official university communication such as information about deadlines, major campus events, and announcements. All UNLV students receive a Rebelmail account after they have been admitted to the university. Students’ e-mail prefixes are listed on class rosters. The suffix is always @unlv.nevada.edu. Emailing within WebCampus is acceptable.

Library Resources –Students may consult with a librarian (www.library.unlv.edu/consultation) about research needs. For this class, the subject librarian is Xan Goodman. UNLV Libraries provides resources to support students’ access to information. Discovery, access, and use of information are vital skills for academic work and for successful post-college life. Access library resources and ask questions at www.library.unlv.edu/