

Quarter 3 (Weeks 27 – 39)

Instructors: Kent Hutchings, MS, CNMT, RT(CT)
Other Instructors: TBA

Notes: Quarter 3 Final exam: Friday, March 30th, (9am – 4pm, VA Livermore)
Breaks: Jan 2nd, New Year; Jan 16th, MLK Jr. Day; Feb 20th, Washington's B-Day
Q3 Case Study Day: Friday, March 23rd

Tuesday

Pathology

Tuesday, Jan 3; Week 27
Tuesday, Jan 10; Week 28
Tuesday, Jan 17; Week 29
Tuesday, Jan 24; Week 30
Tuesday, Jan 31; Week 31
Tuesday, Feb 7; Week 32
Tuesday, Feb 14; Week 33
Tuesday, Feb 21; Week 34
Tuesday, Feb 28; Week 35
Tuesday, Mar 6; Week 36
Tuesday, Mar 13; Week 37
Tuesday, Mar 20; Week 38
Tuesday, Mar 27; Week 39

(12:30 – 1:30 pm)

Terminology & Disease Classification
Inflammation & Altered Immune System
Diabetes
Cardiovascular Disease / **Quiz 1**
Pulmonary Disease
Malignant Neoplasms (Carcinomas)
Quiz 2
Malignant Neoplasms (Sarcomas)
Benign Neoplasms and Bone Tumors
Quiz 3
Endocrine Disorders
The Healing Process
Quiz 4

Intro to CT

Tuesday, Jan 3; Week 27
Tuesday, Jan 10; Week 28
Tuesday, Jan 17; Week 29
Tuesday, Jan 24; Week 30
Tuesday, Jan 31; Week 31
Tuesday, Feb 7; Week 32
Tuesday, Feb 14; Week 33
Tuesday, Feb 21; Week 34
Tuesday, Feb 28; Week 35
Tuesday, Mar 6; Week 36
Tuesday, Mar 13; Week 37
Tuesday, Mar 20; Week 38
Tuesday, Mar 27; Week 39

(1:45 – 2:45 pm)

Instrumentation
Quiz 1
Acquisition Settings & Protocol
Reconstruction & Artifact
Quiz 2
Patient Care
Contrast
Quiz 3
Radiation Exposure
Maintenance and Calibration
Quiz 4
Cross Sectional Review
TBA

Radiobiology

Tuesday, Jan 3; Week 27
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(3:00 – 4:00 pm)

Cell Cycle and DNA Replication
Interactions of Radiation with Matter
Quiz 1
Radiation Genetics and Cellular Response I
Radiation Genetics and Cellular Response II
Factors Affecting Cellular Response / **Quiz 2**
Tissue and Systemic Response to Radiation
Effects of *in Utero* Exposure
Quiz 3
Late Effects of Radiation Exposure
Dosimetry of Radiopharmaceuticals
Quiz 4
TBA

Thursday

Radiopharmacy II

Thursday, Jan 5; Week 27
Thursday, Jan 12; Week 28
Thursday, Jan 19; Week 29
Thursday, Jan 26; Week 30
Thursday, Feb 2; Week 31
Thursday, Feb 9; Week 32
Thursday, Feb 16; Week 33
Thursday, Feb 23; Week 34
Thursday, Mar 1; Week 35
Thursday, Mar 8; Week 36
Thursday, Mar 15; Week 37
Thursday, Mar 22; Week 38
Thursday, Mar 29; Week 39

(12:30 – 1:30 pm)

Interventional Pharmaceuticals
GI Radiopharmaceuticals I
GI Radiopharmaceuticals II
Lung Agents
Quiz 1
Cardiac Agents & RBC labeling
WBC, In-111, Ga-67
SNM Pleasanton Meeting / Quiz 2
Brain Imaging Agents
Bone Imaging Agents / **Quiz 3**
GU Agents
Thyroid, Parathyroid & Salivary Gland
Quiz 4

Diagnostic Nuc Med III

Thursday, Jan 5; Week 27
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(1:45 – 2:45 pm)

Oncology/Inflammation (Ga67)
Oncology/Inflammation (In111)
Antibody Imaging / **Quiz 1**
Receptor Imaging
Breast Imaging
SN Imaging/Lymphoscintigraphy / **Quiz 2**
Cerebral Vascular Flow & Brain Death
SNM Pleasanton Meeting
PET Imaging (Part I) / **Quiz 3**
PET Imaging (Part II)
PET Brain
Endocrine Gland Imaging
Quiz 4

Immunology

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(3:00 – 4:00 pm)

Intro to Immunology Concepts
Immunogenicity
Humoral vs Cell Mediated Immunity
Quiz 1
Antigens
Antibodies
Antibody/Antigen Reaction
SNM Pleasanton Meeting / Quiz 2
Tumor Immunology
Diseases of the Immune System
Antibody/Receptor Imaging
Quiz 3
TBA