

# RADIOLOGY-NUCLEAR MEDICINE (RNU)

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## School of Medicine

### RNU 198 – Directed Group Study (1-5 units)

*Course Description:* Directed group study.

*Prerequisite(s):* Consent of instructor; upper division standing.

*Learning Activities:* Variable.

*Grade Mode:* Pass/No Pass only.

### RNU 199 – Special Study for Advanced Undergraduates (1-5 units)

*Course Description:* Special study for advanced undergraduates.

*Prerequisite(s):* Consent of instructor; upper division standing.

*Learning Activities:* Variable.

*Grade Mode:* Pass/No Pass only.

### RNU 299 – Research: Special Study for Graduate Students (1-12 units)

*Course Description:* Special study for graduate students.

*Prerequisite(s):* Consent of instructor; graduate standing.

*Learning Activities:* Variable.

*Grade Mode:* Satisfactory/Unsatisfactory only.

### RNU 401 – Biomedical Radiochemistry (3 units)

*Course Description:* Approved for graduate degree credit. Designed to combine basic nuclear physics, chemistry, and biology into a comprehensive and vigorous lecture-laboratory experience in biomedical nuclear chemistry. Subjects include choice and purification of appropriate gamma & beta radioisotopes, compounding biological pharmacodynamics and radioimmunoassay.

*Prerequisite(s):* Consent of instructor; open to graduate and medical students.

*Learning Activities:* Lecture 2 hour(s), Laboratory 3 hour(s).

*Grade Mode:* Honors/Pass/Fail.

### RNU 411 – Radiological Physics I (Physics of Nuclear Medicine) (5 units)

*Course Description:* Physics of diagnostic and therapeutic nuclear medicine, nuclear physics, radioactive decay; interaction of ionizing radiation; dosimeters; attenuation; internal and external dosimetry; health physics; radiation detection and imaging, scintillation cameras, computerized planar and tomographic imaging. Offered at UC Davis Medical Center.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture 43 hour(s), Laboratory 12 hour(s).

*Grade Mode:* Honors/Pass/Fail.

### RNU 463 – Clinical Clerkship in Nuclear Medicine (3-8 units)

*Course Description:* Clerkship correlates radioisotopic methods with clinical, pathophysiological, and other diagnostic aspects of the patients care. Each patient reviewed with student by faculty member. Reading assignments, informal projects, and research techniques available.

*Prerequisite(s):* Consent of instructor; satisfactory completion of second-year medical school; RDI 461 recommended.

*Learning Activities:* Clinical Activity.

*Enrollment Restriction(s):* Limited enrollment.

*Grade Mode:* Honors/Pass/Fail.

### RNU 498 – Group Study in Nuclear Medicine (1-12 units)

*Course Description:* Approved for graduate degree credit.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Variable.

*Grade Mode:* Honors/Pass/Fail.

### RNU 499 – Research in Nuclear Medicine (1-12 units)

*Course Description:* Research in Nuclear Medicine.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Variable.

*Repeat Credit:* May be repeated.

*Grade Mode:* Honors/Pass/Fail.