RTHR 3001  Radiation Therapy I
6 Credit Hours.  6 Lecture Hours.  0 Lab Hours.
An introduction to the history and practice of radiation therapy with an
emphasis on patient care, radiation protection, treatment preparation, and
treatment delivery associated with the study of neoplastic disease and
and treatment interventions.
Corequisite(s): RDSC  3001.

RTHR 3002  Radiation Therapy II
6 Credit Hours.  5 Lecture Hours.  0 Lab Hours.
Radiation production, nuclear transformations, and interactions with
matter including radiation detectors, instrumentation, and radiation
safety.  Includes radiation therapy equipment operation and utilization
for simulation and treatment along with an examination of quality
management principles used to ensure safe and efficient treatment
delivery.  Regulatory agencies, equipment safety, testing procedures, and
importance of documentation are highlighted.
Prerequisite(s): A minimum grade of "C" in RTHR  3001.
Corequisite(s): RDSC  3002.

RTHR 3002L  Radiation Therapy II Lab
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours.

RTHR 3003  Radiation Therapy III
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of the principles used to plan and deliver radiation treatments.
Dose absorption, dose and isodose distributions, contouring, hand
calculations, brachytherapy, and emerging technologies are included.
Prerequisite(s): A minimum grade of "C" in RTHR  3002.

RTHR 3003L  Radiation Therapy III Lab
0 Credit Hours.  0 Lecture Hours.  1 Lab Hour.
RTHR 3100  Introduction to Radiation Therapy Clinical Education
1 Credit Hour.  1 Lecture Hour.  0-18 Lab Hours.
Overview of the clinical setting, administrative structures, legal/compliance
requirements, and required documentation.
Prerequisite(s): A minimum grade of "C" in RTHR  3001.
Corequisite(s): RTHR  3002.

RTHR 4101  Radiation Therapy Clinical Education I
5 Credit Hours.  0 Lecture Hours.  0-18 Lab Hours.
A supervised clinical experience in the application and delivery of radiation
therapy.
Prerequisite(s): A minimum grade of "C" in RTHR  3100 and DDTS 3001.

RTHR 4102  Radiation Therapy Clinical Education II
6 Credit Hours.  0 Lecture Hours.  0-18 Lab Hours.
Supervised clinical experience in the application and delivery of radiation
therapy.
Prerequisite(s): A minimum grade of "C" in RTHR  4101.

RTHR 4103  Radiation Therapy Clinical Education III
9 Credit Hours.  0 Lecture Hours.  0-18 Lab Hours.
Capstone clinical education course in the application and delivery of
radiation therapy.
Prerequisite(s): A minimum grade of "C" in RTHR  4102.

RTHR 4200  Radiation Therapy Synthesis
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Discussion of theoretical concepts of radiation therapy as they relate to
practice.
Prerequisite(s): A minimum grade of "C" in RTHR  3003 and RTHR 4102.